1. Identification

Call	Date of submission
C1	25/04/2022

1.1. Full name of the project

Carbon driven energy equilibrium at the municipal scale

56 / 250 characters

1.2. Short name of the project

Energy Equilibrium

18 / 20 characters

1.3. Programme priority

3. Climate-neutral societies

1.4. Programme objective

3.2 Energy transition

1.6. Project duration

Contracting start	22/09/2022	**Contracting end**	31/12/2022
Implementation start	01/01/2023	**Implementation end**	31/12/2025
		Duration of implementation phase (months)	36
Closure start	01/01/2026	**Closure end**	31/03/2026

1.7. Project summary

To compensate the variability and non-controllability of seasonally generated renewable energy (RES) (daily fluctuations in solar radiation intensity, wind speed, etc.) development of sufficient energy storage infrastructure in the regions will play a major role in transforming RES supply potential into reality. However, local public authorities that are responsible for creating an enabling policy environment for RES infrastructure development in regions encounter numerous challenges and uncertainties in deploying sufficient energy accumulation that often remain unanswered due to a lack of knowledge and on-site capacity, which in turn significantly hinders the regional path to climate neutrality. This project aims to develop an Energy Equilibrium Platform – an interactive and easily applicable tool to support municipalities and energy suppliers in decision-making related to the development of efficient action plans to accelerate local RES utilization in the region. Energy Equilibrium Platform will help municipalities to:(1) Identify the most optimal RES storage development strategy and its impact on energy flexibility in the region; (2) Help to determine the key factors affecting energy equilibrium (balance between the produced and the consumed energy) in the region; (3)Help to develop policy mechanisms and action plans to enhance local RES in the region; (4)Help to anticipate risks and avoid making expensive mistakes (e.g. investing in inappropriate technological solutions).

1,500 / 1,500 characters

1.8. Summary of the partnership

The project partnership consists of 12 core partners from 6 different countries (Latvia, Lithuania, Finland, Sweden, Poland and Northern Germany) and 4 different fields of activity (municipalities, public infrastructure provider, energy agencies and clusters, and technical research institutions). The key actors and drivers of the partnership are the 5 local public authorities - the municipalities of Gulbene (from Latvia), Tukums (from Latvia), Mikołajki Pomorskie (from Poland), Tomelilla (from Lithuania) and Wejherowo (from Poland) - and 1 public infrastructure provider - SIA Gulbenes Nami (from Latvia) - who are the main target groups of the project, for whom the solution addressing renewable energy transition challenges in the region will be created. This group of municipalities is complemented by 3 associated partners - the municipality of Taurage (from Lithuania), the municipality of Sztum (from Poland) and the municipality of Nowa Karcma (from Poland), in order to support the piloting of the solution developed in the project and to share the knowledge gained with municipalities abroad through transnational cooperation. As the project aims to support local public authorities that lack capacity and knowledge of technological solutions for renewable energy storage in decision-making for the development of efficient RES development action plans for the region, then the partnership is complemented by energy agencies and clusters (ZEBAU from Germany, Thermopolis from Finland, Sustainable Business Hub Scandinavia AB from Sweden), as well as technical research institutions (Riga Technical University from Latvia, Lithuanian Energy Institute from Lithuania, Institute of Fluid-Flow Machinery Polish Academy of Sciences from Poland) that are experts in this field. Energy agencies and clusters will make an important contribution to the development of the project with their experience and high level of expertise in consulting and supporting the renewable energy infrastructure project implementation in municipalities. While technical research institutions will contribute with their knowledge and practical experience in the development and installation of renewable energy technologies and the challenges encountered during its process. The supportive role of these partners will significantly contribute to the long-term development of the municipalities which due to their primary daily tasks, often lack the time, capacity, and financial resources to develop exclusively sustainable solutions that support decision-making for renewable energy strategies in the region. Lead partner of this project is Riga Technical University's Institute of Energy Systems and Environment (IESE) due to its exclusive knowledge and experience in system dynamics modelling and development of energy system and policy simulation tools based on what the Energy Equilibrium Platform of this project will be developed. IESE will take the main technical role in building the platform.

2,991 / 3,000 characters

1.11. Project Budget Summary

Financial resources [in EUR]		Preparation costs	Planned project budget
ERDF	ERDF co-financing	0.00	1,598,550.31
	Own contribution ERDF	0.00	399,637.61
	ERDF budget	0.00	1,998,187.92
NO	NO co-financing	0.00	0.00
	Own contribution NO	0.00	0.00
	NO budget	0.00	0.00
NDICI	NDICI co-financing	0.00	0.00
	Own contribution NDICI	0.00	0.00
	NDICI budget	0.00	0.00
RU	RU co-financing	0.00	0.00
	Own contribution RU	0.00	0.00
	RU budget	0.00	0.00
TOTAL	**Total Programme co-financing**	0.00	1,598,550.31
	Total own contribution	0.00	399,637.61
	Total budget	0.00	1,998,187.92

2. Partnership

2.1. Overview: Project Partnership

2.1.1 Project Partners

No.	LP/PP	Organisation (English)	Organisation (Original)	Country	Type of partner	Legal status	Partner budget in the project	Active/inactive	
								Status	from
1	LP	Riga Technical University	Rīgas Tehniskā universitāte	LV	Higher education and research institution	a)	500,000.00 €	Active	22/09/2022
2	PP	Lithuanian Energy Institute (LEI)	Lietuvos energetikos institutas (LEI)	LT	Higher education and research institution	a)	198,005.00 €	Active	22/09/2022
3	PP	Sustainable Business Hub Scandinavia AB	Sustainable Business Hub Scandinavia AB	SE	Business support organisation	b)	244,054.60 €	Active	22/09/2022
4	PP	Gulbene Municipality	Gulbenes novada pašvaldība	LV	Local public authority	a)	56,160.00 €	Active	22/09/2022
5	PP	Gulbenes Nami, Ltd	SIA “Gulbenes nami”	LV	Infrastructure and public service provider	a)	56,160.00 €	Active	22/09/2022
6	PP	Institute of Fluid-Flow Machinery Polish Academy of Sciences	Instytut Maszyn Przeplywowych im. Roberta Szewalskiego Polskiej Akademii Nauk (IMP PAN)	PL	Higher education and research institution	a)	250,495.96 €	Active	22/09/2022
7	PP	ZEBAU - Centre for Energy, Construction, Architecture and the Environment Ltd.	ZEBAU - Zentrum für Energie, Bauen, Architektur und Umwelt GmbH	DE	Sectoral agency	b)	216,881.60 €	Active	22/09/2022
8	PP	Thermopolis Ltd	Thermopolis Oy	FI	Sectoral agency	a)	200,000.00 €	Active	22/09/2022
9	PP	Tukums Municipality	Tukuma novada pašvaldība	LV	Local public authority	a)	70,000.00 €	Active	22/09/2022
10	PP	Mikołajki Pomorskie Commune	Gmina Mikołajki Pomorskie	PL	Local public authority	a)	52,532.82 €	Active	22/09/2022
11	PP	Tomelilla municipality	Tomelilla kommun	SE	Local public authority	a)	102,224.92 €	Active	22/09/2022
12	PP	Wejherowo Municipality	Gmina Miasta Wejherowa	PL	Local public authority	a)	51,673.02 €	Active	22/09/2022

2.1.2 Associated Organisations

No.	Organisation (English)	Organisation (Original)	Country	Type of Partner
AO 1	Taurage district municipality	Tauragės rajono savivaldybės administacija	LT	Local public authority
AO 2	Sztum Commune	Miasto I Gmina Sztum	PL	Local public authority
AO 3	Nowa Karcma municipality	Gmina Nowa Karczma	PL	Local public authority

2.2 Project Partner Details - Partner 1

LP/PP Lead Partner

Partner Status Active

Active from 22/09/2022 **Inactive from**

Partner name:

Organisation in original language Rīgas Tehniskā universitāte

27 / 250 characters

Organisation in English	Riga Technical University (25 / 250 characters)
Department in original language	Vides aizsardzības un siltuma sistēmu institūts (48 / 250 characters)
Department in English	Institute of Energy Systems and Environment (43 / 250 characters)

Partner location and website:

Address	Āzenes iela 12-K1 (17 / 250 characters)	**Country**	Latvia
Postal Code	LV-1048 (7 / 250 characters)	**NUTS1 code**	Latvija
Town	Riga (4 / 250 characters)	**NUTS2 code**	Latvija
Website	www.videszinatne.rtu.lv (23 / 100 characters)	**NUTS3 code**	Rīga

Partner ID:

Organisation ID type	Unified registration number (Vienotais reģistrācijas numurs)
Organisation ID	90000068977
VAT Number Format	LV + 11 digits
VAT Number	N/A ☐ LV90000068977 (13 / 50 characters)
PIC	999920718 (9 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Higher education and research instituti	University faculty, college, research institution, RTD facility, research cluster, etc.
Sector (NACE)	72.19 - Other research and experimental development on natural sciences and engineering	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? No

Role of the partner organisation in this project:

LP-1 will jointly participate in all WPs of the project. In WP1, LP-1 will be the main developer of the Energy Equilibrium platform (WP 1.3 and 1.5), participate in a role game and open discussion event (WP 1.2), organize group model building sessions (WP 1.4) for the main stakeholders of RES infrastructure development in municipal regions. In WP2, LP-1 will work closely with PP-4, PP-5, and PP-9 to prepare relevant energy consumption data and pilot the Energy Equilibrium platform in Latvian municipalities (WP 2.1), improve and launch Energy Equilibrium platform (WP 2.2) based on the feedback from the pilots, participate in the knowledge-exchange event (WP 2.3) and work on the development of a “Roadmap for renewable energy transition in BSR municipalities” (WP 2.4). In WP3, LP-1 will be the lead organizer of workshops (WP 3.1), webinars, seminars(WP 3.2), prepare scientific publications and organize guest lectures (WP 3.3), and establish of Regional Stakeholder Group in Latvia(WP 3.4).

1,000 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

State aid relevance

For the partner type selected, the Programme sees a medium to high risk for implementing State aid relevant activities. If the partner is of the opinion that its activities are not State aid relevant, it can ask the MA/JS for a plausibility check on the State aid relevance. Does the partner want to do this?

○ Yes ○ No

2.2 Project Partner Details - Partner 2

LP/PP	Project Partner		
Partner Status	Active		
Active from	22/09/2022	**Inactive from**	

Partner name:

Organisation in original language	Lietuvos energetikos institutas (LEI) (37 / 250 characters)
Organisation in English	Lithuanian Energy Institute (LEI) (33 / 250 characters)
Department in original language	Šiluminių įrengimų tyrimo ir bandymų laboratorija (49 / 250 characters)
Department in English	Laboratory of Heat-Equipment Research and Testing (49 / 250 characters)

Partner location and website:

Address	Breslaujos g. 3 (15 / 250 characters)	**Country**	Lithuania
Postal Code	LT-44403 (8 / 250 characters)	**NUTS1 code**	Lietuva
Town	Kaunas (6 / 250 characters)	**NUTS2 code**	Vidurio ir vakarų Lietuvos regionas
Website	www.lei.lt (11 / 100 characters)	**NUTS3 code**	Kauno apskritis

Partner ID:

Organisation ID type	Legal person's code (Juridinio asmens kodas)
Organisation ID	111955219
VAT Number Format	LT + 9 digits
VAT Number	N/A ☐ LT119552113 (11 / 50 characters)
PIC	999517683 (9 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Higher education and research instituti	University faculty, college, research institution, RTD facility, research cluster, etc.

Sector (NACE) 72.19 - Other research and experimental development on natural sciences and engineering

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? Yes

Role of the partner organisation in this project:

PP-2 will jointly participate in all the WPs of the project. In WP1, PP-2 will focus on conducting PESTLE analysis for the 2nd energy storage alternative - energy accumulation in the form of thermal energy (WP 1.1), participate in a role game and open discussion event (WP 1.2), group model building sessions (WP 1.4) to share findings of WP 1.1. and determine factors impacting sustainable energy transition in municipalities. In WP2, PP-2 will work closely with AO-1 to prepare relevant energy consumption data and pilot the Energy Equilibrium platform in Taurage district municipality (WP 2.1) and consult other municipalities in their pilots, participate in the knowledge-exchange event (WP 2.3) and work on the development of a "Roadmap for renewable energy transition in BSR municipalities" (WP 2.4). In WP3, PP-2 will jointly organize workshops (WP 3.1), webinars, seminars (WP 3.2), prepare scientific publications (WP 3.3), and establish of Regional Stakeholder Group in Lithuania (WP 3.4).

999 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

State aid relevance

For the partner type selected, the Programme sees a medium to high risk for implementing State aid relevant activities. If the partner is of the opinion that its activities are not State aid relevant, it can ask the MA/JS for a plausibility check on the State aid relevance. Does the partner want to do this?

○ Yes ○ No

2.2 Project Partner Details - Partner 3

LP/PP Project Partner

Partner Status Active

Active from 22/09/2022 **Inactive from**

Partner name:

Organisation in original language Sustainable Business Hub Scandinavia AB

39 / 250 characters

Organisation in English Sustainable Business Hub Scandinavia AB

39 / 250 characters

Department in original language Sustainable Business Hub Scandinavia AB

39 / 250 characters

Department in English Sustainable Business Hub Scandinavia AB

39 / 250 characters

Partner location and website:

Address Nordenskiöldsgatan 24

21 / 250 characters

Postal Code 21119

5 / 250 characters

Town Malmö

5 / 250 characters

Website www.sbhub.se/

13 / 100 characters

Country Sweden

NUTS1 code Södra Sverige

NUTS2 code Sydsverige

NUTS3 code Skåne län

Partner ID:

Organisation ID type	Organisation number (Organisationsnummer)
Organisation ID	556641-2952
VAT Number Format	SE + 12 digits
VAT Number	N/A ☐ SE556641295201 (14 / 50 characters)
PIC	951527224 (9 / 9 characters)

Partner type:

Legal status	b) Private	
Type of partner	Business support organisation	Chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc.
Sector (NACE)	71.12 - Engineering activities and related technical consultancy	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? Yes

Financial data	**Reference period**	01/01/2020 –	31/12/2020
	Staff headcount [in annual work units (AWU)]		8.0
	Employees [in AWU]		8.0
	Persons working for the organisation being subordinated to it and considered to be employees under national law [in AWU]		0.0
	Owner-managers [in AWU]		0.0
	Partners engaged in a regular activity in the organisation and benefiting from financial advantages from the organisation [in AWU]		0.0
	Annual turnover [in EUR]		998,724.00
	Annual balance sheet total [in EUR]		777,876.00
	Operating profit [in EUR]		12,726.00

Role of the partner organisation in this project:

PP-3 will jointly participate in all the WPs of the project. In WP1, PP-3 will focus on conducting PESTLE analysis for the 1st (batteries) and 3rd (accumulation in the form of hydrogen) energy storage alternative (WP 1.1), participate in a role game and open discussion event (WP 1.2), group model building sessions (WP 1.4) to share findings of WP 1.1. and determine factors impacting sustainable energy transition in regions. In WP2, PP-3 will work closely with PP-11 to prepare relevant energy consumption data and pilot the Energy Equilibrium platform in Tomelilla municipality (WP 2.1) and consult other municipalities in their pilots, organize the knowledge-exchange event (WP 2.3) and work on the development of a “Roadmap for renewable energy transition in BSR municipalities” (WP 2.4). In WP3, PP-3 will jointly organize workshops (WP 3.1), webinars, seminars (WP 3.2), review prepared scientific publications (WP 3.3), and establish of Regional Stakeholder Group in Sweden (WP 3.4).

992 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

2.2 Project Partner Details - Partner 4

LP/PP	Project Partner		
Partner Status	Active		
Active from	22/09/2022	**Inactive from**	

Partner name:

Organisation in original language	Gulbenes novada pašvaldība (26 / 250 characters)
Organisation in English	Gulbene Municipality (20 / 250 characters)
Department in original language	Attīstības un projektu nodaļa (29 / 250 characters)
Department in English	Development and project department (34 / 250 characters)

Partner location and website:

Address	Abelu street 2 (14 / 250 characters)	**Country**	Latvia
Postal Code	LV-4401 (7 / 250 characters)	**NUTS1 code**	Latvija
Town	Gulbene (7 / 250 characters)	**NUTS2 code**	Latvija
Website	www.gulbene.lv (14 / 100 characters)	**NUTS3 code**	Vidzeme

Partner ID:

Organisation ID type	Unified registration number (Vienotais reģistrācijas numurs)
Organisation ID	90009116327
VAT Number Format	LV + 11 digits
VAT Number	**N/A** ☐ LV90009116327 (13 / 50 characters)
PIC	n/a (3 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Local public authority	Municipality, city, etc.
Sector (NACE)	84.11 - General public administration activities	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?	No

Role of the partner organisation in this project:

PP-4 will be responsible for taking an active part in all Work Packages (WP) of the project. In WP1, PP-4 will participate in a role game and open discussion event (WP 1.2) and in group model building sessions (WP 1.4) to express its experience and challenges encountered in the development of RES infrastructure projects and strategic action plans to enhance clean energy transition in the region. In WP2, PP-4 will be working on preparing data on relevant energy system indicators in the region, take an active part in Energy Equilibrium platform pilot in the municipality (WP 2.1), and participate in the knowledge-exchange event (WP 2.3) to share experience from the pilot. In WP3, PP-4 will participate in workshops on Energy Equilibrium platform utilization in daily practice (WP 3.1), webinars, seminars (WP 3.2), guest lectures (WP 3.3) discussing the insights and findings of the project, as well as taking an active part in establishing Regional Stakeholder Group in Latvia (WP 3.4).

993 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

2.2 Project Partner Details - Partner 5

LP/PP	Project Partner		
Partner Status	Active		
Active from	22/09/2022	**Inactive from**	

Partner name:

Organisation in original language	SIA “Gulbenes nami” (19 / 250 characters)
Organisation in English	Gulbenes Nami, Ltd (18 / 250 characters)
Department in original language	n/a (3 / 250 characters)
Department in English	n/a (3 / 250 characters)

Partner location and website:

Address	Blaumana street 56A (19 / 250 characters)	**Country**	Latvia
Postal Code	LV-4401 (7 / 250 characters)	**NUTS1 code**	Latvija
Town	Gulbene (7 / 250 characters)	**NUTS2 code**	Latvija
Website	www.gulbenesnami.lv (19 / 100 characters)	**NUTS3 code**	Vidzeme

Partner ID:

Organisation ID type	Unified registration number (Vienotais reģistrācijas numurs)
Organisation ID	54603000121
VAT Number Format	LV + 11 digits
VAT Number	**N/A** ☐ LV54603000121 (13 / 50 characters)
PIC	n/a (3 / 9 characters)

Partner type:

Legal status	a) Public

Type of partner Infrastructure and public service provi — Public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, airport, port, railway, etc.)

Sector (NACE) 36.00 - Water collection, treatment and supply

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? Yes

Role of the partner organisation in this project:

PP-5 will work closely with PP-4 during the execution of all Work Packages (WP) of the project. In WP1, PP-4 will participate in a role game and open discussion event (WP 1.2) and in group model building sessions (WP 1.4). In WP2, PP-5 will support PP-4 and will prepare data on relevant energy system indicators in the region (information on energy system operators in the region, historical energy consumption data by main consumption groups, utilized energy resources in energy production, etc.) and take an active part in Energy Equilibrium platform pilot in the municipality (WP 2.1), and participate in the knowledge-exchange event (WP 2.3) to share experience from the pilot. In WP3, PP-5 will participate in workshops on Energy Equilibrium platform utilization in daily practice (WP 3.1), webinars, seminars (WP 3.2), guest lectures (WP 3.3) discussing the insights and findings of the project, as well as taking an active part in establishing Regional Stakeholder Group in Latvia (WP 3.4).

1,000 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

2.2 Project Partner Details - Partner 6

LP/PP Project Partner

Partner Status Active

Active from 22/09/2022 **Inactive from**

Partner name:

Organisation in original language Instytut Maszyn Przeplywowych im. Roberta Szewalskiego Polskiej Akademii Nauk (IMP PAN)

87 / 250 characters

Organisation in English Institute of Fluid-Flow Machinery Polish Academy of Sciences

60 / 250 characters

Department in original language Zakład Fizycznych Aspektów Ekoenergii

37 / 250 characters

Department in English Department of Physical Aspects of EcoEnergy

43 / 250 characters

Partner location and website:

Address Fiszera 14

10 / 250 characters

Postal Code 80-231

6 / 250 characters

Town Gdansk

6 / 250 characters

Website www.imp.gda.pl

14 / 100 characters

Country Poland

NUTS1 code Makroregion północny

NUTS2 code Pomorskie

NUTS3 code Trójmiejski

Partner ID:

Organisation ID type	Tax identification number (NIP)
Organisation ID	5840357882
VAT Number Format	PL + 10 digits
VAT Number	N/A ☐ PL5840357882 (12 / 50 characters)
PIC	999489650 (9 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Higher education and research instituti	University faculty, college, research institution, RTD facility, research cluster, etc.
Sector (NACE)	72.19 - Other research and experimental development on natural sciences and engineering	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? No

Role of the partner organisation in this project:

PP-6 will jointly participate in all WPs of the project. In WP1, PP-6 will focus on conducting PESTLE analysis for the 4th(biomethane) and 5th(potential energy) energy storage alternative (WP 1.1), participate in a role game and open discussion event (WP 1.2), group model building sessions (WP 1.4) to share findings of WP 1.1. and determine factors impacting sustainable energy transition in municipalities. In WP2, PP-6 will work closely with PP-10. PP-12, AO-2, AO-3 to prepare relevant energy consumption data and pilot the Energy Equilibrium platform in 4 Polish municipalities (WP 2.1) and consult other municipalities in their pilots, participate in the knowledge-exchange event (WP 2.3) and work on the development of a “Roadmap for renewable energy transition in BSR municipalities” (WP 2.4). In WP3, PP-6 will jointly organize workshops (WP 3.1), webinars, seminars (WP 3.2), help to prepare scientific publications (WP 3.3), and establish of Regional Stakeholder Group in Poland (WP 3.4).

1,000 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

State aid relevance

For the partner type selected, the Programme sees a medium to high risk for implementing State aid relevant activities. If the partner is of the opinion that its activities are not State aid relevant, it can ask the MA/JS for a plausibility check on the State aid relevance. Does the partner want to do this?

○ Yes ○ No

2.2 Project Partner Details - Partner 7

LP/PP	Project Partner		
Partner Status	Active		
	Active from 22/09/2022	**Inactive from**	

Partner name:

Organisation in original language	ZEBAU - Zentrum für Energie, Bauen, Architektur und Umwelt GmbH (64 / 250 characters)
Organisation in English	ZEBAU - Centre for Energy, Construction, Architecture and the Environment Ltd. (79 / 250 characters)

Department in original language	Quartiere & Kommunen: Kommunale Wärmeplanung (45 / 250 characters)
Department in English	Municipal Energy Planning (25 / 250 characters)

Partner location and website:

Address	Große Elbstrasse 146 (20 / 250 characters)	**Country**	Germany
Postal Code	22767 (5 / 250 characters)	**NUTS1 code**	Hamburg
Town	Hamburg (7 / 250 characters)	**NUTS2 code**	Hamburg
Website	www.zebau.de (12 / 100 characters)	**NUTS3 code**	Hamburg

Partner ID:

Organisation ID type	Company registration number (Handelsregisternummer)
Organisation ID	HRB 77705 (10 / 50 characters)
VAT Number Format	DE + 9 digits
VAT Number	**N/A** ☐ DE213593764 (11 / 50 characters)
PIC	946700116 (9 / 9 characters)

Partner type:

Legal status	b) Private	
Type of partner	Sectoral agency	Local or regional development agency, environmental agency, energy agency, employment agency, etc.
Sector (NACE)	71.11 - Architectural activities	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? Yes

Financial data	**Reference period**	01/01/2020 –	31/12/2020
	Staff headcount [in annual work units (AWU)]		34.0
	Employees [in AWU]		15.0
	Persons working for the organisation being subordinated to it and considered to be employees under national law [in AWU]		17.0
	Owner-managers [in AWU]		1.0
	Partners engaged in a regular activity in the organisation and benefiting from financial advantages from the organisation [in AWU]		1.0
	Annual turnover [in EUR]		1,540,431.00
	Annual balance sheet total [in EUR]		1,073,241.00
	Operating profit [in EUR]		0.00

Role of the partner organisation in this project:

PP-7 will jointly participate in all WPs of the project. In WP1, PP-7 will contribute to the development of PESTLE analysis of different RES storage development scenarios in municipalities, focusing on social, environmental, political, legal aspect integration in the assessment (WP 1.1), will be the main organizer of a role game and open discussion event (WP 1.2), participate in group model building sessions (WP 1.4) to share findings of WP 1.1. and determine factors impacting sustainable energy transition in municipalities. In WP2, PP-7 will support and consult municipalities in all the pilots of Energy Equilibrium platform (WP 2.1), participate in the knowledge-exchange event (WP 2.3) and work on the development of a "Roadmap for renewable energy transition in BSR municipalities" (WP 2.4). In WP3, PP-7 will help to organize workshops (WP 3.1), webinars, seminars (WP 3.2), review prepared scientific publications (WP 3.3), and establish of Regional Stakeholder Group in Germany(WP 3.4).

1,000 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

State aid relevance

For the partner type selected, the Programme sees a medium to high risk for implementing State aid relevant activities. If the partner is of the opinion that its activities are not State aid relevant, it can ask the MA/JS for a plausibility check on the State aid relevance. Does the partner want to do this?

○ Yes ○ No

Justification why the partner's activities are not State aid relevant

PP ZEBAU GmbH acts in accordance with the mission statement of its main shareholder (48 %), the Free and Hanseatic City of Hamburg, represented by the Hamburg Authority for the Environment, Climate, Energy and Agriculture, and in close cooperation with municipal authorities at various levels to implement national and local climate goals. The developed and expanded services are offered, and the information and results will be presented and disseminated free of charge. Therefore, ZEBAU does not carry out an economic activity nore receive an advantage.

555 / 3,000 characters

2.2 Project Partner Details - Partner 8

LP/PP Project Partner

Partner Status Active

Active from 22/09/2022 **Inactive from**

Partner name:

Organisation in original language Thermopolis Oy

14 / 250 characters

Organisation in English Thermopolis Ltd

15 / 250 characters

Department in original language n/a

3 / 250 characters

Department in English n/a

3 / 250 characters

Partner location and website:

Address Lassilantie 12

14 / 250 characters

Postal Code 62100

5 / 250 characters

Town Lapua

5 / 250 characters

Website www.thermopolis.fi

18 / 100 characters

Country Finland

NUTS1 code Manner-Suomi

NUTS2 code Länsi-Suomi

NUTS3 code Etelä-Pohjanmaa

Partner ID:

Organisation ID type	Business Identity Code (Y-tunnus)
Organisation ID	2029286-4
VAT Number Format	FI + 8 digits
VAT Number	N/A ☐ FI20292864 (10 / 50 characters)
PIC	996621166 (9 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Sectoral agency	Local or regional development agency, environmental agency, energy agency, employment agency, etc.
Sector (NACE)	72.19 - Other research and experimental development on natural sciences and engineering	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? Yes

Role of the partner organisation in this project:

PP-8 will jointly participate in all the WPs of the project. In WP1, PP-8 will focus on conducting PESTLE assessment for the 1st (batteries - for electricity) and 2nd (accumulation in the form of thermal energy) energy storage alternative (WP 1.1), participate in a role game and open discussion event (WP 1.2), group model building sessions (WP 1.4) to share findings of WP 1.1. and determine factors impacting sustainable energy transition in regions. In WP2, PP-8 will support and consult municipalities in all the pilots of Energy Equilibrium platform (WP 2.1), participate in the knowledge-exchange event (WP 2.3) and work on the development of a “Roadmap for renewable energy transition in BSR municipalities” (WP 2.4). In WP3, PP-8 will help to organize workshops (WP 3.1), webinars, seminars (WP 3.2), review prepared scientific publications (WP 3.3), and establish of Regional Stakeholder Group in Finland (WP 3.4).

924 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

State aid relevance

For the partner type selected, the Programme sees a medium to high risk for implementing State aid relevant activities. If the partner is of the opinion that its activities are not State aid relevant, it can ask the MA/JS for a plausibility check on the State aid relevance. Does the partner want to do this?

○ Yes ○ No

2.2 Project Partner Details - Partner 9

LP/PP	Project Partner		
Partner Status	Active		
	Active from 22/09/2022	**Inactive from**	

Partner name:

Organisation in original language	Tukuma novada pašvaldība (24 / 250 characters)
Organisation in English	Tukums Municipality (19 / 250 characters)

Department in original language	Attīstības nodaļa (17 / 250 characters)
Department in English	Development Department (22 / 250 characters)

Partner location and website:

Address	Talsu street 4 (14 / 250 characters)	**Country**	Latvia
Postal Code	LV-3101 (7 / 250 characters)	**NUTS1 code**	Latvija
Town	Tukums (8 / 250 characters)	**NUTS2 code**	Latvija
Website	www.tukums.lv (14 / 100 characters)	**NUTS3 code**	Kurzeme

Partner ID:

Organisation ID type	Unified registration number (Vienotais reģistrācijas numurs)
Organisation ID	90000050975
VAT Number Format	LV + 11 digits
VAT Number	**N/A** ☐ LV90000050975 (13 / 50 characters)
PIC	984190034 (9 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Local public authority	Municipality, city, etc.
Sector (NACE)	84.11 - General public administration activities	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? No

Role of the partner organisation in this project:

PP-9 will be responsible for taking an active part in all Work Packages (WP) of the project. In WP1, PP-9 will participate in a role game and open discussion event (WP 1.2) and in group model building sessions (WP 1.4) to express its experience and challenges encountered in the development of RES infrastructure projects and strategic action plans to enhance clean energy transition in the region. In WP2, PP-9 will be working on preparing data on relevant energy system indicators in the region, take an active part in Energy Equilibrium platform pilot in the municipality (WP 2.1), and participate in the knowledge-exchange event (WP 2.3) to share experience from the pilot. In WP3, PP-9 will participate in workshops on Energy Equilibrium platform utilization in daily practice (WP 3.1), webinars, seminars (WP 3.2), guest lectures (WP 3.3) discussing the insights and findings of the project, as well as taking an active part in establishing Regional Stakeholder Group in Latvia (WP 3.4).

993 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

2.2 Project Partner Details - Partner 10

LP/PP	Project Partner
Partner Status	Active
Active from	22/09/2022
Inactive from	

Partner name:

Organisation in original language	Gmina Mikołajki Pomorskie (26 / 250 characters)
Organisation in English	Mikołajki Pomorskie Commune (27 / 250 characters)
Department in original language	n/a (3 / 250 characters)
Department in English	n/a (3 / 250 characters)

Partner location and website:

Address	Address Dzierzgońska 2 (22 / 250 characters)	**Country**	Poland
Postal Code	82-433 (7 / 250 characters)	**NUTS1 code**	Makroregion północny
Town	Mikołajki Pomorskie (20 / 250 characters)	**NUTS2 code**	Pomorskie
Website	mikolajkipomorskie.pl (22 / 100 characters)	**NUTS3 code**	Starogardzki

Partner ID:

Organisation ID type	Tax identification number (NIP)
Organisation ID	5792210163
VAT Number Format	PL + 10 digits
VAT Number	**N/A** ☐ PL5792210163 (12 / 50 characters)
PIC	n/a (3 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Local public authority	Municipality, city, etc.
Sector (NACE)	84.11 - General public administration activities	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?	No

Role of the partner organisation in this project:

PP-10 will be responsible for taking an active part in all Work Packages (WP) of the project. In WP1, PP-10 will participate in a role game and open discussion event (WP 1.2) and in group model building sessions (WP 1.4) to express its experience and challenges encountered in the development of RES infrastructure projects and strategic action plans to enhance clean energy transition in the region. In WP2, PP-10 will be working on preparing data on relevant energy system indicators in the region, take an active part in Energy Equilibrium platform pilot in the municipality (WP 2.1), and participate in the knowledge-exchange event (WP 2.3) to share experience from the pilot. In WP3, PP-10 will participate in workshops on Energy Equilibrium platform utilization in daily practice (WP 3.1), webinars, seminars (WP 3.2), guest lectures (WP 3.3) discussing the insights and findings of the project, as well as taking an active part in establishing Regional Stakeholder Group in Poland (WP 3.4).

997 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

2.2 Project Partner Details - Partner 11

LP/PP Project Partner

Partner Status Active

Active from 22/09/2022 **Inactive from**

Partner name:

Organisation in original language Tomelilla kommun

17 / 250 characters

Organisation in English Tomelilla municipality

22 / 250 characters

Department in original language Tillväxt och Utvecklingsenheten

31 / 250 characters

Department in English Development Unit

16 / 250 characters

Partner location and website:

Address Gustafs Torg 16

15 / 250 characters

Postal Code 27380

5 / 250 characters

Town Tomelilla

9 / 250 characters

Website https://www.tomelilla.se/

25 / 100 characters

Country Sweden

NUTS1 code Södra Sverige

NUTS2 code Sydsverige

NUTS3 code Skåne län

Partner ID:

Organisation ID type Organisation number (Organisationsnummer)

Organisation ID 212000-0886

VAT Number Format SE + 12 digits

VAT Number N/A ☐ SE212000088601

14 / 50 characters

PIC 950974130

9 / 9 characters

Partner type:

Legal status a) Public

Type of partner Local public authority | Municipality, city, etc.

Sector (NACE) 84.11 - General public administration activities

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? Yes

Role of the partner organisation in this project:

PP-11 will be responsible for taking an active part in all Work Packages (WP) of the project. In WP1, PP-11 will participate in a role game and open discussion event (WP 1.2) and in group model building sessions (WP 1.4) to express its experience and challenges encountered in the development of RES infrastructure projects and strategic action plans to enhance clean energy transition in the region. In WP2, PP-11 will be working on preparing data on relevant energy system indicators in the region, take an active part in Energy Equilibrium platform pilot in the municipality (WP 2.1), and participate in the knowledge-exchange event (WP 2.3) to share experience from the pilot. In WP3, PP-11 will participate in workshops on Energy Equilibrium platform utilization in daily practice (WP 3.1), webinars, seminars (WP 3.2), guest lectures (WP 3.3) discussing the insights and findings of the project, as well as taking an active part in establishing Regional Stakeholder Group in Sweden (WP 3.4).

997 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ○ No

2.2 Project Partner Details - Partner 12

LP/PP Project Partner

Partner Status Active

Active from 22/09/2022 **Inactive from**

Partner name:

Organisation in original language Gmina Miasta Wejherowa

22 / 250 characters

Organisation in English Wejherowo Municipality

22 / 250 characters

Department in original language n/a

3 / 250 characters

Department in English n/a

3 / 250 characters

Partner location and website:

Address Plac Jakuba Wejhera 8

21 / 250 characters

Postal Code 84-200

6 / 250 characters

Town Wejherowo

11 / 250 characters

Website www.wejherowo.pl

16 / 100 characters

Country Poland

NUTS1 code Makroregion północny

NUTS2 code Pomorskie

NUTS3 code Trójmiejski

Partner ID:

Organisation ID type	Tax identification number (NIP)
Organisation ID	5881000993
VAT Number Format	PL + 10 digits
VAT Number	N/A ☐ PL5881000993 (12 / 50 characters)
PIC	n/a (3 / 9 characters)

Partner type:

Legal status	a) Public	
Type of partner	Local public authority	Municipality, city, etc.
Sector (NACE)	84.11 - General public administration activities	

Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities? No

Role of the partner organisation in this project:

PP-12 will be responsible for taking an active part in all Work Packages (WP) of the project. In WP1, PP-12 will participate in a role game and open discussion event (WP 1.2) and in group model building sessions (WP 1.4) to express its experience and challenges encountered in the development of RES infrastructure projects and strategic action plans to enhance clean energy transition in the region. In WP2, PP-12 will be working on preparing data on relevant energy system indicators in the region, take an active part in Energy Equilibrium platform pilot in the municipality (WP 2.1), and participate in the knowledge-exchange event (WP 2.3) to share experience from the pilot. In WP3, PP-12 will participate in workshops on Energy Equilibrium platform utilization in daily practice (WP 3.1), webinars, seminars (WP 3.2), guest lectures (WP 3.3) discussing the insights and findings of the project, as well as taking an active part in establishing Regional Stakeholder Group in Poland (WP 3.4).

997 / 1,000 characters

Has this organisation ever been a partner in the project(s) implemented in the Interreg Baltic Sea Region Programme?

○ Yes ◉ No

2.3 Associated Organisation Details - AO 1

Associated organisation name and type:

Organisation in original language: Tauragės rajono savivaldybės administacija (42 / 250 characters)

Organisation in English: Taurage district municipality (29 / 250 characters)

Department in original language: Plėtros, investicijų ir turto valdymo skyrius (45 / 250 characters)

Department in English: Development, Investment and Asset management department (55 / 250 characters)

Legal status: a) Public

Type of associated organisation: Local public authority — Municipality, city, etc.

Associated organisation location and website:

Address: Respublikos g. 2 (16 / 250 characters)

Country: Lithuania

Postal Code: LT-72255 (8 / 250 characters)

Town: Tauragė (7 / 250 characters)

Website: www.taurage.lt (15 / 100 characters)

Role of the associated organisation in this project:

AO-1 will contribute to the execution of all Work Packages (WP) of the project. In WP1, AO-1 will participate in group model building sessions (WP 1.4) to express its experience and challenges encountered in the development of RES infrastructure projects and strategic action plans to enhance clean energy transition in the region. In WP2, AO-1 will cooperate closely with PP-2 and take an active part in Energy Equilibrium platform pilot in the municipality (WP 2.1) in Lithuania, and as far as possible participate in the knowledge-exchange event (WP 2.3) to share experience from the pilot. In WP3, AO-1 will participate in workshops on Energy Equilibrium platform utilization in daily practice (WP 3.1), webinars, seminars (WP 3.2), guest lectures (WP 3.3) discussing the insights and findings of the project, as well as by joining Regional Stakeholder Group in Lithuania (WP 3.4).

885 / 1,000 characters

2.3 Associated Organisation Details - AO 2

Associated organisation name and type:

Organisation in original language: Miasto I Gmina Sztum (20 / 250 characters)

Organisation in English: Sztum Commune (13 / 250 characters)

Department in original language: n/a (3 / 250 characters)

Department in English: n/a (3 / 250 characters)

Legal status: a) Public

Type of associated organisation: Local public authority — Municipality, city, etc.

Associated organisation location and website:

Address: Mickiewicza 39 (14 / 250 characters)

Country: Poland

Postal Code: 82-400 (6 / 250 characters)

Town: Sztum (5 / 250 characters)

Website: sztum.pl (8 / 100 characters)

Role of the associated organisation in this project:

AO-2 will contribute to the execution of all Work Packages (WP) of the project. In WP1, AO-2 will participate in group model building sessions (WP 1.4) to express its experience and challenges encountered in the development of RES infrastructure projects and strategic action plans to enhance clean energy transition in the region. In WP2, AO-2 will cooperate closely with PP-6 and take an active part in Energy Equilibrium platform pilot in the municipality (WP 2.1) in Poland, and as far as possible participate in the knowledge-exchange event (WP 2.3) to share experience from the pilot. In WP3, AO-2 will participate in workshops on Energy Equilibrium platform utilization in daily practice (WP 3.1), webinars, seminars (WP 3.2), guest lectures (WP 3.3) discussing the insights and findings of the project, as well as by joining Regional Stakeholder Group in Poland (WP 3.4).

879 / 1,000 characters

2.3 Associated Organisation Details - AO 3

Associated organisation name and type:

Organisation in original language: Gmina Nowa Karczma
18 / 250 characters

Organisation in English: Nowa Karcma municipality
24 / 250 characters

Department in original language: n/a
3 / 250 characters

Department in English: n/a
3 / 250 characters

Legal status: a) Public

Type of associated organisation: Local public authority — Municipality, city, etc.

Associated organisation location and website:

Address: ul. Kościerska 9
16 / 250 characters

Country: Poland

Postal Code: 83-404
6 / 250 characters

Town: Nowa Karczma
12 / 250 characters

Website: www.nowakarczma.pl
18 / 100 characters

Role of the associated organisation in this project:

AO-2 will contribute to the execution of all Work Packages (WP) of the project. In WP1, AO-2 will participate in group model building sessions (WP 1.4) to express its experience and challenges encountered in the development of RES infrastructure projects and strategic action plans to enhance clean energy transition in the region. In WP2, AO-2 will cooperate closely with PP-6 and take an active part in Energy Equilibrium platform pilot in the municipality (WP 2.1) in Poland, and as far as possible participate in the knowledge-exchange event (WP 2.3) to share experience from the pilot. In WP3, AO-2 will participate in workshops on Energy Equilibrium platform utilization in daily practice (WP 3.1), webinars, seminars (WP 3.2), guest lectures (WP 3.3) discussing the insights and findings of the project, as well as by joining Regional Stakeholder Group in Poland (WP 3.4).

879 / 1,000 characters

3. Relevance

3.1 Context and challenge

The storage of renewable energy has been highlighted as a key element in accelerating the decarbonization of the local energy systems. However, local public authorities that are responsible for setting direction and creating an enabling policy environment for RES infrastructure development encounter numerous challenges in deploying energy accumulation. Since energy accumulation technologies are emerging technologies, their implementation at municipal scale incorporates numerous uncertainties. Local governments face a number of questions that often remain unanswered due to a lack of knowledge and on-site capacity, which in turn significantly hinders the regional path to climate neutrality. This project aims to support local and regional public authorities and energy suppliers in decision making and answer a number of questions, such as: (1) Given territorial potential, available budget, natural resources, and socioeconomic needs of residents, which accumulation technology is most appropriate for a given municipal region? (2) What policy instruments and mechanisms should be created to promote the use of the identified RES accumulation technologies in the specific municipal region? (3) What risks (technological, economic, social, and political) should municipalities consider in RES infrastructure development projects and what are the specific risks associated with energy storage? (4) What are the key steps that municipalities need to take today to create an enabling environment for the development of sufficient RES infrastructure, including the necessary energy storage capacity? In most countries in the BSR, the focus has been on advancement of RES generation technologies rather than energy storage. Due to Europe's recent decisions to strengthen energy security and move away completely from dependence on Russian fossil energy imports, the importance of energy storage in European energy systems is now being emphasised more than ever.

1,964 / 2,000 characters

3.2 Transnational value of the project

The partnership of this project involves six (out of a total of 9) Interreg countries of the BSR - Latvia, Lithuania, Finland, Sweden, Poland and Northern Germany. These countries were specifically chosen to represent the diversity of energy systems implemented in the regions and the challenges faced by municipalities. The differences between the energy systems of each country, region, and municipality are due to, among other things, differences in spatial planning, territorial potential, available natural resources, seasonal factors, environmental permitting legislation, and political and administrative factors. The transnational collaboration will set the stage for these differences to be recognized and adequately addressed during the project model development and Energy Equilibrium Platform validation phase so that the Platform can be generally applied by any municipality in the Baltic Sea Region. In this way, the project will achieve the maximum impact. Each partner in the project will be responsible for characterizing the energy system in their representative countries and regions to achieve maximum accuracy in replicating the real system of functioning BSR municipalities. The partnership consists of the top performers in the share of energy from RES (with a share of at least 40% of RES) - Sweden, Finland and Latvia - and the mediocre or weak performers (with a share of RES below 30%) - Lithuania, Germany and Poland. These differences in current RES levels make it possible to more productively identify untapped potential in each country and provide multiple opportunities for benchmarking the RES pace of development and key advances. Weak performers can learn from best practice examples of success stories and experiences from top performers, while top performers can identify the key drivers for RES acceleration from weak performers. This is ensured through active participation in knowledge exchange events, group model building activities and project pilots.

1,995 / 2,000 characters

3.3 Target groups

Target group	Sector and geographical coverage	Its role and needs
Local public authority	Local municipalities are responsible for implementing local development strategies and establishing and managing infrastructure for local community services (utilities, energy, water, etc.). This target group comes from all countries in the Baltic Sea Region. 259 / 500 characters	Local public authorities are the main actors responsible for implementing local policies that steer regions towards a sustainable energy transition by improving the use of renewable energy sources in the region, as well as creating supportive environment that would enhance RES technology deployment. Through the pilots implemented under this project (WP 2) and through active participation in the group model building activities, role game, open discussion sessions, and knowledge-exchange events (under WP 1) of the project, local public authorities will help to identify the key drivers and cornerstones for substantially increasing local RES in the region, keeping in mind that renewable energy is a variable energy that requires sufficient accumulation opportunities to expand its generation capabilities in the region. This project will help to determine the most optimal directions and policy instruments that local public authorities should adapt to increase the share of RES in the region. 999 / 1,000 characters

Target group	Sector and geographical coverage	Its role and needs
Infrastructure and public service provid	Local energy supply companies, district heating companies, local housing companies, municipal utilities, companies that are the key utility providers for households and legal entities in the regions. This target group is responsible for allocating necessary investments in the development of sufficient RES infrastructure in the region. This target group comes from all countries of the Baltic Sea region. 405 / 500 characters	Local energy supply companies are the intermediaries between the energy end-user (household, company, public or private entity) and local public authorities (who set the long-term vision and climate neutrality targets for the region). These companies have hands-on experience in energy production and supply and are the key decision makers in selecting the technologies and energy resources that will be used for energy production in their respective regions. Therefore, the views and insights of these companies on the importance of accumulation across the energy infrastructure of RES and challenges encountered in energy system flexibility maintanance (through participation in knowledge exchange events and group model building activities) would contribute significantly to the development and validation of the Energy Equilibrium Platform. 845 / 1,000 characters
Sectoral agency	Energy consultancy agencies and engineering consulting companies focusing on energy efficiency and renewable energy technologies, that are responsible for advising enterprises, local public authorities, and households on sustainable energy solutions. This target group comes from all countries in the Baltic Sea region. 319 / 500 characters	Energy consulting agencies possess high level of expertise in strategic energy infrastructure development projects, gained over many years of experience advising businesses, municipalities, and households on more efficient energy planning. Through knowledge sharing events and active participation in group model building activities, this target group can contribute significantly to the development of the Energy Equilibrium Platform. This target group's knowledge of RES infrastructure development challenges and risk factors (related to construction, financing, and implementation) will greatly complement the development of a more accurate and detailed platform. In addition, assistance with the project's pilots will help to validate the results achieved in all the municipalities and identify bottlenecks that should be considered in the development of more general guidelines for municipalities. 902 / 1,000 characters
Regional public authority	Regional public authorities are responsible for governing planning regions and regional districts. This target group covers larger regions than local public authorities and are the first to communicate government policies and their adaptation strategies to local public authorities in their respective regions. This target group comes from all countries in the Baltic Sea Region. 379 / 500 characters	This target group is the accelerator of renewable energy development in the regions. Regional public authorities are the first to steer the region's shared vision based on the government's common binding climate neutrality targets. Involving this target group in the implementation of the project's pilots (WP2) and dissemination activities (WP3) will help to demonstrate the importance of the RES accumulation infrastructure on a broader regional scale. Involvement of this target group through knowledge sharing will help define key mechanisms needed to develop a supportive environment for improving RES in the regions. 622 / 1,000 characters

Target group	Sector and geographical coverage	Its role and needs
Interest group	This target group includes renewable energy associations and clusters (solar, wind energy, biogas and biomethane associations), national associations (association of local governments and local authorities) and energy service provider associations (district heating companies associations, utility provider associations) that are responsible for promoting their opinions and interests in government policies. This target group comes from all countries of the Baltic Sea Region. 477 / 500 characters	Renewable energy associations have expertise and knowledge of the latest advances in RES technologies, as well as the successes and failures of government policies to promote the use of RES technologies from abroad. Therefore, their participation in the development of the Energy Equilibrium Platform will provide the necessary technical, policy, and regulatory background to validate the platform. Local government associations include many municipalities from representative countries. Therefore, this target group is important to make the Platform dissemination to municipalities outside the partnership, which will help to get the appropriate feedback on the application of the Platform in daily municipal practice. The same is true for the associations of energy service providers that would share their experiences with the application of the platform. 858 / 1,000 characters

3.4 Project objective

Your project objective should contribute to:

Energy transition

Variability and non-controllability of seasonally generated renewable energy (fluctuations in solar radiation intensity, wind speed, etc.) in regions requires for more adaptive and flexible energy system infrastructure. Therefore, enhancing system flexibility and focusing on energy storage solutions will play major role in transforming renewable energy supply potential into reality. To ensure an uninterrupted supply of energy to all the main energy consumption groups in the economy (households, industry, commercial sector, agriculture), there should be a perfect balance - equilibrium point - between the produced energy and the consumed energy. This project aims to help local public authorities to find this equilibrium point in regions under their governance. This project defines energy storage as a key attribute of the energy equilibrium that links renewable energy production with consumption. The determination of the energy equilibrium in the municipalities will be analysed in close interaction with the balancing factors of sustainable development, where the economic, technical, environmental and social factoes are of particular importance for local public authorities. The project directly addresses the evolving challenge of BSR countries to enable the development of public support policies to promote broader renewable energy generation, distribution, and storage. As a result of the project, local public authorities and other target groups defined in Section 3.3. will be able to make well-informed, rational decisions and develop well-structured municipal action plans. The project will help to reduce uncertainty for local public authorities and help authorities to avoid costly mistakes in choosing inappropriate development strategies, thus also strengthening EUSBSR governance, coordination and communication.

1,839 / 2,000 characters

3.5 Project's contribution to the EU Strategy for the Baltic Sea Region

Please indicate whether your project contributes to the implementation of the Action Plan of the EU Strategy for the Baltic Sea Region (EUSBSR).

(•) Yes ( ) No

Please select which Policy Area of the EUSBSR your project contributes to most.

PA Energy

Please list the action of this Policy Area that your project contributes to and explain how.

The primary goal of this project is to promote a competitive, secure and sustainable energy supply in the local municipalities of the Baltic Sea Region. This objective is directly in line with the main objective of PA 'Energy' within the EU Strategy for the Baltic Sea Region.
According to PA 'Energy' Action 4, referred to as "Increasing the share of renewable energy, including marine renewable energy," BSR countries should continue their work to integrate renewable electricity into the power system and consider sufficient investment in energy storage.
The Energy Equilibrium platform developed under the project will help municipalities to develop more effective and accurate energy transition strategies and action plans, and help decision makers choose the most optimal strategies for RES accumulation technologies in the region. Since renewable energy is a variable energy where the amount of energy generated fluctuates seasonally, RES storage capacity is the key element for rapid growth of the share of local renewable energy resources in the region. This project aims to enable local authorities to make more efficient and rational decisions to make sustainable, long-term choices for the development of sufficient and most appropriate RES storage infrastructure in the regions.

1,293 / 1,500 characters

If applicable, please describe which other Policy Areas of the EUSBSR your project contributes to and how.

This project contributes to PA 'Innovation' of EU Strategy for the Baltic Sea Region, more specifically to Action 1 "Challenge-driven innovation" and Action 3 "Co-creative innovation". Action 1 focuses on supporting incentives aimed at addressing macro-regional challenges in the Baltic Sea region, including climate change, resource efficiency, clean energy, and various Baltic Sea environmental challenges, by creating challenge-driven innovation policies and actions that transform challenges into opportunities for sustainable growth in the Baltic Sea region. This project is directly related to this action line, as the Energy Equilibrium platform built under the project aims to provide local authorities with a digital simulation tool to develop more effective energy transition policies. Action 3 of PA 'Innovation' supports the creation of transnational links, university-business collaboration, collaborative R&I, technology and knowledge transfer, and other joint activities aimed at connecting BSR challenges and seeking innovative solutions together. This project is directly linked to the objective of Action 3, as it promotes transnational cooperation by involving different partners from different countries in the BSR. Moreover, this project creates a link between the main actors - local public authorities and consultants - research organizations and energy clusters. The synergies between these two groups are curtail in creating sustainable, long-term innovations in the regions.

1,500 / 1,500 characters

3.6 Other political and strategic background of the project

Strategic documents

REPowerEU: Joint European action for more affordable, Secure and sustainable energy - Plan to increase Europe's energy independence and end fossil energy imports from Russia before 2030. This project aims to accelerate the use of RES by harnessing the maximum potential of local RES and creating sufficient infrastructure for RES accumulation, which is the main cornerstone for a faster RES increase. Generated RES will compensate for Russian energy imports and support Europe's energy independence.

499 / 500 characters

The Fit for 55 package is the EU's new green transition plan, which includes a number of proposals that require modifications in EU policies and legislation. The main goal of the package is to achieve climate neutrality for the EU by 2050. Greater reduction of carbon emissions in the regions will be achieved through deep decarbonization of the energy system by rapidly increasing the share of renewable energy sources, which is the main objective of this project.

465 / 500 characters

The European Strategic Energy Technology Plan (SET Plan) aims to accelerate the deployment of low-carbon energy technologies. SET Plan sets out the main directions for research and innovation, with the integration of RES technologies into energy systems as the top priority for the green transition. Renewable energy accumulation, which is one of the key elements in this project, plays an important role in increasing the level of RES integration into energy systems.

468 / 500 characters

3.7 Seed money support

Please indicate whether your project is based on a seed money project implemented in the Interreg Baltic Sea Region Programme 2014-2020.

( ) Yes (•) No

3.8 Other projects: use of results and planned cooperation

Full name of the project	Funding Source	Use of the project outcomes and/or planned cooperation
Flexibility for Variable Renewable Energy Integration in the Nordic Energy Systems (Flex4RES) 93 / 200 characters	Nordic Energy Research program 30 / 200 characters	The project's Energy Equilibrium Platform is being built on the basis of the lead project partners' extensive experience from the previously conducted Flex4RES research project.The Flex4RES project has shown how the challenge of integrating a high proportion of variable renewables into the energy system can be efficiently managed by increasing the coupling of energy markets across the Nordic region, facilitating a zero-carbon energy transition. The structure of the system dynamics model from the Flex4RES project will serve as the basis for the Energy Equilibrium Platform. In addition, the Energy Equilibrium Platform will be augmented with sub-models that incorporate various RES accumulation strategies. In addition, the findings from the Flex4RES project will help validate the Energy Equilibrium Platform. 815 / 1,000 characters
Assessment of Latvia's renewable energy supply-demand economic potential and policy recommendations 99 / 200 characters	Latvia’s National Research Program “Energy” 43 / 200 characters	The project "Assessment of Latvia's renewable energy supply-demand economic potential and policy recommendations" focused on assessing the economic potential of local and renewable energy resources in Latvia, which was achieved by constructing a system dynamics model. By adapting a similar model construction methodology, the Energy Equilibrium Platform is also built. In addition, the experience gained during the implementation of the previous project will help to build the Energy Equilibrium Platform more efficiently and accurately by identifying a more detailed model structure and the elements that drive the system. The Stella Architect software used in the previous project will also be used in the development of the Energy Equilibrium Platform. Therefore, the experience gained from using the software will contribute significantly to the development of the Energy Equilibrium project. 897 / 1,000 characters
Low Temperature District Heating for the Baltic Sea Region (LowTEMP) 68 / 200 characters	ERDF and ENI + RUSSIA (Interreg project) 40 / 200 characters	The experience and outcomes of the LowTEMP project have helped in the development of this project proposal, as the new project proposal involves various partners from the LowTEMP project. During knowledge-exchange events between LowTEMP partners (municipalities, research institutions, energy clusters and agencies), it was found that the accumulation of renewable energy and the development of effective policies that stimulate the use of RES in the regions is the main challenge for local public authorities. Successful past collaborations with numerous partners from the LowTEMP project will be also transmitted to the implementation of the Energy Equilibrium project. 671 / 1,000 characters

3.10 Horizontal principles

Horizontal principles	Projects's direct impact
Sustainable development	positive
Non-discrimination including accessibility	neutral
Equality between men and women	neutral

4. Management

Allocated budget 10%

4.1 Project management

☑ **Please confirm that the lead partner and all project partners will comply with the rules for the project management as described in the Programme Manual.**

If relevant, please indicate any other important aspects of the project management, e.g. external entity supporting the lead partner in the management of the project, advisory board, steering committee, any other relevant working groups, etc.

0 / 500 characters

4.2 Project financial management

☑ **Please confirm that the lead partner and all project partners will comply with the rules for the financial management and control as described in the Programme Manual.**

If relevant, please indicate any other important aspects of the financial management, e.g. external entity supporting the lead partner, positions planned for financial management, involvement of special financial experts (e.g. for public procurement), etc.

0 / 500 characters

4.3 Input to Programme communication

☑ **Please confirm that you are aware of the obligatory inputs to Programme communication that must be submitted along the pre-defined progress reports, as described in the Programme Manual.**

If relevant, please describe other important aspects of project communication that you plan to introduce, e.g. a communication plan, opening and closing events, social media channel(s) etc.

0 / 500 characters

4.4 Cooperation criteria

Please select the cooperation criteria that apply to your project. In your project you need to apply at least three cooperation criteria. Joint development and joint implementation are the obligatory ones you need to fulfill in your project.

Cooperation criteria	
Joint Development	☑
Joint Implementation	☑
Joint Staffing	☐
Joint Financing	☑

5. Work Plan

Number	Work Package Name
1	WP1 Preparing solutions

Number	Group of Activity Name
1.1	Perform multi-dimensional assessment of different RES development scenarios in municipalities
1.2	Organize a role game and open discussion event to involve target groups
1.3	Build first prototype of an Energy Equilibrium platform
1.4	Organize group model building activities with local public authorities and energy service providers
1.5	Test and validate Energy Equilibrium platform

Number	Work Package Name
2	WP2 Piloting and evaluating solutions

Number	Group of Activity Name
2.1	Pilot and evaluate Energy Equilibrium platform in the BSR municipalities
2.2	Adjust the Energy Equilibrium platform and make it publicly available
2.3	Organize knowledge-exchange event on renewable energy transition strategies in BSR municipalities
2.4	Develop a roadmap for renewable energy transition in BSR municipalities

Number	Work Package Name
3	WP3 Transferring solutions

Number	Group of Activity Name
3.1	To organize public workshops on Energy Equilibrium platform utilization in daily practice
3.2	To disseminate results to general public and target groups
3.3	To disseminate results to scientific community and study environment
3.4	To establish Regional Stakeholder Groups

Work plan overview

Period:	1	2	3	4	5	6	Leader
WP.1: WP1 Preparing solutions							**PP8**
A.1.1: Perform multi-dimensional assessment of different RES development scenarios in municipalities							PP8
D.1.1: Outlook on multidimensional KPIs of a carbon neutral energy system in municipalities	D						
A.1.2: Organize a role game and open discussion event to involve target groups							PP7
D.1.2: Outcomes and insights from role game and open discussion event	D						
A.1.3: Build first prototype of an Energy Equilibrium platform							PP1
D.1.3: Prototype of Energy Equilibrium platform		D					
A.1.4: Organize group model building activities with local public authorities and energy service providers							PP1
D.1.4: Improved Energy Equilibrium platform based on group model building sessions		D					
A.1.5: Test and validate Energy Equilibrium platform							PP1
D.1.5: Validated prototype of Energy Equilibrium platform and notes from the platform validation tests		D					
WP.2: WP2 Piloting and evaluating solutions							**PP1**
A.2.1: Pilot and evaluate Energy Equilibrium platform in the BSR municipalities							PP6
D.2.1: Evaluation report on Energy Equilibrium platform pilot in the BSR municipalities			D				
A.2.2: Adjust the Energy Equilibrium platform and make it publicly available							PP1
O.2.2: Energy Equilibrium platform			O				
A.2.3: Organize knowledge-exchange event on renewable energy transition strategies in BSR municipalities							PP3
D.2.3: Outcomes and insights from knowledge-exchange event				D			
A.2.4: Develop a roadmap for renewable energy transition in BSR municipalities							PP3
O.2.4: Roadmap for renewable energy transition in BSR municipalities				O			
WP.3: WP3 Transferring solutions							**PP7**
A.3.1: To organize public workshops on Energy Equilibrium platform utilization in daily practice							PP1
D.3.1: Developed training material to be presented in workshops						D	
A.3.2: To disseminate results to general public and target groups							PP7
D.3.2: Information dissemination materials						D	
A.3.3: To disseminate results to scientific community and study environment							PP1
D.3.3: Scientific dissemination materials						D	
A.3.4: To establish Regional Stakeholder Groups							PP7
D.3.4: Six Regional Stakeholder Groups						D	

Outputs and deliverables overview

Code	Title	Description	Contribution to the output	Output/ deliverable contains an investment
D 1.1	Outlook on multidimensional KPIs of a carbon neutral energy system in municipalities	The main deliverable of this activity is the development of an outlook on multidimensional (economic, technical, environmental, social, political, and legal) performance indicators (KPIs) and benchmarks characterizing RES storage solutions for all five different energy accumulation alternatives defined in the project. These indicators and benchmarks will be identified based on the PESTLE assessment and will lead to collected data on the identified KPIs to create an input database. As a result, an outlook on the RES development and KPIs of storage technologies will be created and the collected data will serve as input values for Energy Equilibrium platform creation. The aim of this deliverable is to develop a knowledge base of RES accumulation solutions, therefore addressing the challenges that the local public authorities face in energy planning and enhancement of RES in the regions. Some of these challenges are uncertainty, lack of capacity and knowledge in identifying the most optimal strategies for RES infrastructure development that would include RES generation technologies and energy accumulation technologies. Local public authorities admit that energy accumulation is one of the most important aspects that should be anticipated in seasonally generated variable energy since it directly impacts region's ability to substantially increase the utilization of local RES. Therefore, this deliverable will serve as the first step towards the development of solution for local public authorities. The outlook will describe different RES accumulation solutions for municipalities, including the comparative assessment of available technologies and the review of the main driving forces and critical factors affecting the flexibility and sustainability of RES in the municipalities in the long term.	Data from this deliverable will be used as the main input for Energy Equilibrium platform building.	
D 1.2	Outcomes and insights from role game and open discussion event	The main deliverable of this activity will be findings and insights obtained from role game and open discussion event which will be summarized in a briefing paper. The paper will summarize the main arguments expressed by the involved target groups (the representatives from municipalities, energy consulting companies, and energy and commodity service providers) in these activities, as well as comments regarding the validation of the PESTLE assessment. The outcomes of the role-game and open discussion event will be used for the development of more sufficient and justified structure of Energy Equilibrium Platform (in activity 1.3.).	This deliverable will contribute to the development of the structure of Energy Equilibrium Platform	
D 1.3	Prototype of Energy Equilibrium platform	This deliverable is the first prototype of the main project's output - Energy Equilibrium platform. See an example on how the prototype will look here: https://exchange.iseesystems.com/public/andra/national-energy-model/index.html#page1 Platform will replicate system and functions of municipality and factors affecting its road to enhancement of local renewable energy resources in the region. User interface (UI) will be created to share model with others. Platform prototype will have first user interface (UI). Drop-down menus, knobs, sliders and other best-practice measures will be introduced in the UI. Selective simulation output from the UI will be processed and accessed in graphical and tabular forms. Developed platform will allow for input of the relevant technical, economic, environmental, social, and other parameters to customize the model for specific region.	This deliverable is the first prototype of the main project's output - Energy Equilibrium platform.	
D 1.4	Improved Energy Equilibrium platform based on group model building sessions	This deliverable will produce 2 main sub-deliverables: (1) Summarized notes and findings from the group model building sessions on system behaviour of different actors and opinions expressed during the sessions; (2) Improved Energy Equilibrium Platform prototype and user interface available for target groups and end-users -improvements made based on insights from group model building sessions.	This deliverable is the first step for validation and improvement of Energy Equilibrium platform	
D 1.5	Validated prototype of Energy Equilibrium platform and notes from the platform validation tests	The deliverable of this activity will be validated prototype of Energy Equilibrium platform and notes from the platform testing and validation. The notes will summarize the behavior of platform technical features and functions during the performed verification tests: (1) model structure verification tests that assess the structure and elements of the model without analysing the relationship between the structure of the system and its behaviour; (2) model behaviour verification tests that assess the adequacy of the model structure by analysing the behaviour generated by the system; (3) policy impact assessment tests. Model validation will be done by performing all the verification steps described above, where the role of cross-border cooperation is crucial to increase its applicability.	This deliverable directly contribute to the development of final Energy Equilibrium Platform.	

D 2.1	Evaluation report on Energy Equilibrium platform pilot in the BSR municipalities	The main deliverable of this activity will be an evaluation report on Energy Equilibrium platform pilot in the BSR municipalities. The report will summarize the main findings from each pilot. The report will have a focus on two main aspects: 1. Analysis of the feedback received from the municipalities on platform application. The role of the municipalities is crucial in fine-tuning the final platform to make it customizable and easy to use. Interaction between platform developers and municipalities allows to identify the missing or unnecessary elements in the platform and adjust it accordingly. This interaction also allows to catch out the final bugs in the model itself. Therefore, the feedback received will be carefully analysed, after which a clear action plan will be developed to improve the platform. 2. Analysis of the obtained results from modelling and simulation that the Energy Equilibrium platform has produced for each municipality. In the pilots of each municipality, specific results of simulation will be obtained. These results will help understand specific municipalities through which policy incentives and interventions in current energy governance, RES development in the regions could be improved and stimulated towards more prevalent adaptation of energy transition measurements in municipalities. Pilot evaluation report will summarize the main findings observed in each municipality.	This deliverable contribute to the adjusted and improved version of Energy Equilibrium Platform.	
O 2.2	Energy Equilibrium platform	This activity will lead to the first and main output of the project - the Energy Equilibrium Platform. This activity will combine all the deliverables created in WP1 activities and WP 2.1. pilots to create an Energy Equilibrium Platform that can be used by end-users. End users will be able to access the platform through a user interface. The user interface will take the form of a web link that is easily accessible and understandable. The first page of the platform contains explanations of the purpose of the Energy Equilibrium Platform and a short tutorial video with instructions on how to use the platform. The following pages will include various energy and policy planning functions where municipalities can modify input data and requirements according to their specifications. The last page of the platform will have an enabled online survey to be filled by any platform user. Energy Equilibrium Platform will serve as an energy flexibility modelling and policy simulation tool for local and regional public authorities to develop the most optimal RES strategies for the region, including the development sufficient energy storage infrastructure. The goal of the Energy Equilibrium Platform is to support the decision-making process of local and regional public authorities in developing future action plans for renewable energy and sustainability in regions. The utilization of this platform in daily practice will benefit municipalities in multiple ways: (1) Identify the most optimal RES storage development strategy and its impact on energy flexibility in the region; (2) Help to determine the key factors affecting energy equilibrium (balance between the produced energy and the consumed energy) in the region; (3) Help to develop policy mechanisms and action plans to enhance local RES in the region; (4) Help to anticipate risks and avoid making expensive mistakes (e.g. investing in inappropriate technological solutions, creating negative impact to environment, and more).		
D 2.3	Outcomes and insights from knowledge-exchange event	The main deliverable of this activity will be findings and insights obtained from knowledge-exchange event between partners and target groups which will be summarized in a briefing paper. The paper will compile all the presentation materials developed in this activity summarizing the main findings from Energy Equilibrium platform pilots in municipalities and achieved outcomes of the project so far. The briefing paper will also outline the main issues discussed during roundtable discussion, pointing out the main steps that will be taken to develop a "Roadmap for renewable energy transition in BSR Communities" in Activity 2.4.	This deliverable contribute to a roadmap for renewable energy transition in BSR municipalities	
O 2.4	Roadmap for renewable energy transition in BSR municipalities	This activity will result in the second main output of the project - Roadmap for renewable energy transition in BSR municipalities. This roadmap will be practical guidelines for more effective energy planning and action plan development in municipalities. Guidelines will help municipalities to make sound decisions regarding efficient energy planning to increase the use of local renewable energy resources. It will explain how to create a positive and responsive policy environment for increased deployment of RES technologies and RES storage solutions in regions. Guidelines will identify the key elements for increasing RES capacity in municipalities, the total cost, and the level of cumulative financial support needed to fund RES investments. These guidelines will be called “Roadmap for renewable energy transition in BSR municipalities” which will contain the following aspects: (1) Summary of the main findings from piloting Energy Equilibrium Platform in BSR municipalities – investigation of the alternative scenarios for the adaptation of RES measurements considering the interests of all the stakeholders, techno-economic, social, environmental, political and legal aspects of different RES development strategies; (2) Based on the obtained results developed policy recommendations for acquiring the identified RES accumulation infrastructure development potential in BSR municipalities; (3) Practical suggestions for better energy planning and development of efficient RES action plans in the regions; (4) Practical guidelines of Energy Equilibrium Platform usage in daily practices of municipalities during decision making processes of local and regional public authorities to stimulate alternative paths to reach energy transition goals through the perspective of active stimulation of local RES utilization by ensuring sufficient infrastructure for its energy storage.		

D 3.1	Developed training material to be presented in workshops	This deliverable will compile all the training materials developed to be presented in the workshops. The training materials will summarize the instructions on Energy Equilibrium platform usage an application in daily practice. These instructions are already integrated in the platform, however, for the purposes of workshops, these guidelines will be structured in practical presentations and handouts. The handouts will be distributed to the target groups electronically and in paper versions.	This deliverable contribute to sustainable information dissemination of both main project's outputs.	
D 3.2	Information dissemination materials	This activity will result in numerous information dissemination materials that will be used to inform general public and target groups about the project and Energy Equilibrium platform. The following materials will be developed: (1) Presentations from 2 webinars/e-discussions (2) Presentations from 2 seminars (3) Presentations from local seminars (4) 2 popular science articles (5) 1 podcast (6) 5 social media announcements	This deliverable contribute to sustainable information dissemination of both main project's outputs.	
D 3.3	Scientific dissemination materials	This deliverable will summarize all the scientific materials produced in this activity in order to disseminate the results of the project to scientific community. (1) In total 2 scientific papers will be submitted to international peer-reviewed scientific journals (2) 2 scientific conferences will be attended; (3) Presentations for 2 lectures presenting Energy Equilibrium platform and project's results.	This deliverable contribute to sustainable information dissemination of both main project's outputs	
D 3.4	Six Regional Stakeholder Groups	This deliverable contains the establishment of six Regional Stakeholder Groups, one in each partner country - Latvia, Lithuania, Poland, Germany, Sweden, Finland. This deliverable will include a contact list with all the target groups which will be included in regional networks in each country. These networks will be used during the whole project implementation process as well as after the end of the project to share information on outputs developed in the project.	This deliverable contribute to sustainable information dissemination of both main project's outputs.	

Work package 1

5.1 WP1 Preparing solutions

5.2 Aim of the work package

The aim of this work package is to prepare solutions to help address the identified challenge. You can either develop entirely new solutions or adapt existing solutions to the needs of your target groups. Prepare your solutions in a way that you can pilot them in Work Package 2. Consider how you involve your target groups in preparation of the solutions.
Organise your activities in up to five groups of activities to present the actions you plan to implement. Describe the deliverables and outputs as well as present the timeline.

5.3 Work package leader

Work package leader 1 PP 8 - Thermopolis Ltd

Work package leader 2 PP 1 - Riga Technical University

5.4 Work package budget

Work package budget 30%

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Local public authority Local municipalities are responsible for implementing local development strategies and establishing and managing infrastructure for local community services (utilities, energy, water, etc.). This target group comes from all countries in the Baltic Sea Region. 259 / 500 characters	This target group will be reached through role-playing game and open discussion event organized in Activity 1.2. and group model building sessions in Activity 1.4. In these activities, municipalities will be the main participants and actors, and their active participation in these activities will be required. Majority of the partners (core and associated) of this project are also the main target group of the project therefore they will be represented sufficiently. 469 / 1,000 characters
2	Infrastructure and public service provider Local energy supply companies, district heating companies, local housing companies, municipal utilities, companies that are the key utility providers for households and legal entities in the regions. This target group is responsible for allocating necessary investments in the development of sufficient RES infrastructure in the region. This target group comes from all countries of the Baltic Sea region. 405 / 500 characters	The representatives of this target group has expressed their support to the project and willingness to participate in the development stage of the Energy Equilibrium Platform (see support letters in the project documentation). The invitations to the role game and open discussion event (activity 1.2) and group model building sessions (activity 1.4) will be sent to this target group and their active participation will be encouraged. Since this target group is the main responsible body in the region for providing energy supply then their experience on the challenges encountered in RES generation and shortages in the supply will be the main topic of interest in WP 1.2 and WP 1.4. activities. 697 / 1,000 characters
3	Sectoral agency Energy consultancy agencies and engineering consulting companies focusing on energy efficiency and renewable energy technologies, that are responsible for advising enterprises, local public authorities, and households on sustainable energy solutions. This target group comes from all countries in the Baltic Sea region. 319 / 500 characters	This target group will be involved in the Energy Equilibrium Platform building through participation in role game and open discussion even (activity 1.2.) and group model building sessions (actions 1.4.) – both of these activities will be reachable through online platforms and representatives from this target group will be invited to share their opinions and comments on the platform development. The knowledge and experience of this target group will contribute significantly for the model improvement and validation 519 / 1,000 characters
4	Regional public authority Regional public authorities are responsible for governing planning regions and regional districts. This target group covers larger regions than local public authorities and are the first to communicate government policies and their adaptation strategies to local public authorities in their respective regions. This target group comes from all countries in the Baltic Sea Region. 379 / 500 characters	The representatives of this target group has expressed their support to the project and willingness to participate in the development stage of the Energy Equilibrium Platform (see support letters in the project documentation). This target group will be involved in the Energy Equilibrium Platform building through participation in role game and open discussion even (activity 1.2.) and group model building sessions (actions 1.4.) – both of these activities will be reachable through online platforms and representatives from this target group will be invited to share their opinions and comments on the platform development. 626 / 1,000 characters
5	Interest group This target group includes renewable energy associations and clusters (solar, wind energy, biogas and biomethane associations), national associations (association of local governments and local authorities) and energy service provider associations (district heating companies associations, utility provider associations) that are responsible for promoting their opinions and interests in government policies. This target group comes from all countries of the Baltic Sea Region. 477 / 500 characters	The representatives of this target group has expressed their support to the project and willingness to participate in the development stage of the Energy Equilibrium Platform (see support letters in the project documentation). This target group will be involved in the Energy Equilibrium Platform building through participation in role game and open discussion even (activity 1.2.) and group model building sessions (actions 1.4.) – both of these activities will be reachable through online platforms and representatives from this target group will be invited to share their opinions and comments on the platform development. 625 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
1.1	**Perform multi-dimensional assessment of different RES development scenarios in municipalities**
1.2	**Organize a role game and open discussion event to involve target groups**
1.3	**Build first prototype of an Energy Equilibrium platform**
1.4	**Organize group model building activities with local public authorities and energy service providers**
1.5	**Test and validate Energy Equilibrium platform**

WP 1 Group of activities 1.1

5.6.1 Group of activities leader

Group of activities leader PP 8 - Thermopolis Ltd

A 1.1

5.6.2 Title of the group of activities

Perform multi-dimensional assessment of different RES development scenarios in municipalities

93 / 100 characters

5.6.3 Description of the group of activities

The main goal of this activity is to develop a conceptual framework of Energy Equilibrium Platform which will be done by conducting PESTLE (political, economic, social, technical, legal, environmental) analysis on RES storage solutions for all five different energy accumulation alternatives defined in the project: (1) Batteries - for electricity. (2) Accumulation in the form of thermal energy – production and storing of thermal energy from renewable electricity surpluses (heat pumps, electric boilers) as well as storing the thermal energy from heat generation units (solar thermal, biomass, gas, waste heat). (3) Accumulation in the form of hydrogen (with electricity), where two types of electrolysis can be considered: electrolysis and bioelectrolysis. (4) Accumulation in the form of biomethane - hydrogen is produced with electricity, which is then fed to the bioreactor that produces biomethane. 5) Accumulation in the form of potential energy (e.g. in local water supply systems).
Technical analysis would include technology characteristics, technical potential and capacity assessment, including technology impact on system flexibility. The analysis would identify success and failure criteria of the technology performance levels, technology risk and uncertainty, including the identification of best practice examples, demonstration projects, field work and case studies from abroad. Economic analysis would include cost-benefit analysis considering economic feasibility constraints and financial implications of each technology. Economic analysis would also outline financial framework of RES energy systems in the BSR countries, as well as identify opportunities for capital access to finance the investments, and funding gaps for municipalities. Social analysis would consider and list all the social conditions that impact successful implementation of RES infrastructure development projects in municipalities of BSR region such as public acceptance, knowledge, adaptability to innovations and new technologies, and others, as well positive impact aspects such as the provision of employment opportunities. Environmental analysis would list all the environmental factors influencing the sustainability level of future energy systems - risk of environmental damage and creation of indirect environmental damage, insufficient provision of life cycle, risk of not achieving the reduction of carbon footprint. Political and legal analysis will identify the existing political instruments and support mechanisms of RES storage and infrastructure development in municipalities, as well as opportunities for inclusion of new stimulative instruments, including an in-depth review of policy instruments that are crucial for RES development, especially to enhance investments in RES storage solutions.

2,814 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 1.1

Title of the deliverable

Outlook on multidimensional KPIs of a carbon neutral energy system in municipalities

84 / 100 characters

Description of the deliverable

The main deliverable of this activity is the development of an outlook on multidimensional (economic, technical, environmental, social, political, and legal) performance indicators (KPIs) and benchmarks characterizing RES storage solutions for all five different energy accumulation alternatives defined in the project. These indicators and benchmarks will be identified based on the PESTLE assessment and will lead to collected data on the identified KPIs to create an input database. As a result, an outlook on the RES development and KPIs of storage technologies will be created and the collected data will serve as input values for Energy Equilibrium platform creation.
The aim of this deliverable is to develop a knowledge base of RES accumulation solutions, therefore addressing the challenges that the local public authorities face in energy planning and enhancement of RES in the regions. Some of these challenges are uncertainty, lack of capacity and knowledge in identifying the most optimal strategies for RES infrastructure development that would include RES generation technologies and energy accumulation technologies. Local public authorities admit that energy accumulation is one of the most important aspects that should be anticipated in seasonally generated variable energy since it directly impacts region's ability to substantially increase the utilization of local RES. Therefore, this deliverable will serve as the first step towards the development of solution for local public authorities. The outlook will describe different RES accumulation solutions for municipalities, including the comparative assessment of available technologies and the review of the main driving forces and critical factors affecting the flexibility and sustainability of RES in the municipalities in the long term.

1,817 / 2,000 characters

Which output does this deliverable contribute to?

Data from this deliverable will be used as the main input for Energy Equilibrium platform building.

99 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.1: Perform multi-dimensional assessment of different RES development scenarios in municipalities						
D.1.1: Outlook on multidimensional KPIs of a carbon neutral energy system in municipalities						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 1 Group of activities 1.2

5.6.1 Group of activities leader

Group of activities leader PP 7 - ZEBAU - Centre for Energy, Construction, Architecture and the Environment Ltd.

A 1.2

5.6.2 Title of the group of activities

Organize a role game and open discussion event to involve target groups

71 / 100 characters

5.6.3 Description of the group of activities

In the scope of this activity role game and public discussion event will be organized in order to involve target groups (the representatives from municipalities, energy consulting companies, and energy and commodity service providers) in focus group discussion about social and environmental aspects that influence the granting of RES infrastructure construction permits and development of RES technologies in municipalities. Role game will be as an initial validation of the PESTLE assessment results and as a basis for creating the structure of the Energy Equilibrium Platform. Role-game will allow the target groups and partners to simulate realistic situations and cases by interacting with all parties involved in the development of RES in municipalities. These interactions will highlight the arguments of proponents and opponents of the different RES accumulation scenarios in the regions. Both are important in developing an understanding of the factors in municipal decision making.

In addition, open discussion will be organized in order to share the existing knowledge and challenges in developing policy instruments and legislative framework for RES infrastructure. Moreover, a discussion on the possible inclusion of additional policy mechanisms or changes in legislation will be held, including the findings from the political and legal aspect analysis and assessment in activity 1.1. In this activity, the results obtained in activity 1.1. will be discussed in detail and validated between all the project's partners and target groups.

Role game and open discussion will be organized in a joint event. The event will be organized in Germany by the project partner ZEBAU (PP -7), with the participation of the project lead partner and all partners involved in the activity 1.1. The event will also be also transmitted through online meeting platforms so that other partners and target groups can participate online. In this event Regional Stakeholder Groups (according to Work Package 3 activity 3.4.) will be established and grouped.

2,052 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 1.2

Title of the deliverable

Outcomes and insights from role game and open discussion event

62 / 100 characters

Description of the deliverable

The main deliverable of this activity will be findings and insights obtained from role game and open discussion event which will be summarized in a briefing paper. The paper will summarize the main arguments expressed by the involved target groups (the representatives from municipalities, energy consulting companies, and energy and commodity service providers) in these activities, as well as comments regarding the validation of the PESTLE assessment. The outcomes of the role-game and open discussion event will be used for the development of more sufficient and justified structure of Energy Equilibrium Platform (in activity 1.3.).

637 / 2,000 characters

Which output does this deliverable contribute to?

This deliverable will contribute to the development of the structure of Energy Equilibrium Platform

99 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.2: Organize a role game and open discussion event to involve target groups						
D.1.2: Outcomes and insights from role game and open discussion event						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 1 Group of activities 1.3

5.6.1 Group of activities leader

Group of activities leader PP 1 - Riga Technical University

A 1.3

5.6.2 Title of the group of activities

Build first prototype of an Energy Equilibrium platform

55 / 100 characters

5.6.3 Description of the group of activities

The goal of this activity is to build the first prototype of the main output of this project - the Energy Equilibrium Platform. This platform will serve as an energy modelling and policy simulation tool for municipalities to develop the most optimal RES strategies for the region, including the development of energy storage infrastructure. The goal of the Energy Equilibrium Platform is to support the decision-making process of local public authorities in developing future action plans for renewable energy and sustainability in regions.

The platform will be built so that it enables the following enabling functions for municipalities:(1) Identify the most optimal RES storage development strategy and its impact on energy flexibility in the region; (2) Help to determine the key factors affecting energy equilibrium (balance between the produced energy and the consumed energy) in the region; (3) Help to develop policy mechanisms and action plans to enhance local RES in the region; (4) Help to anticipate risks and avoid making expensive mistakes (e.g. investing in inappropriate technological solutions, creating negative impact to environment, and more).

The Energy Equilibrium Platform will be built using system dynamics modelling method. System dynamics (SD) is a mathematical modelling approach that is used to reproduce a real-world system, in the case of this project – the real structure and function of a municipality. It is applied in order to investigate dynamic development of complex systems which in turn contribute to solving problems of high complexity such as development of future energy strategies in the region. SD considers the system behavior of a municipality and underlying structure of this system. By analyzing the structure of a system, the behavior of the system can be better understood, as a result it allows the problematic behavior of the system to be interfered more efficiently. Energy Equilibrium Platform will be constructed based on the extensive experience of the project's lead partner gained in previously realized and ongoing projects. The underlying SD model will be based on both already built models and on newly developed sub-models supplementing the existing models as well as by the bulk of the data gathered in the context of this project.

The project applicant has developed different system dynamics models for energy (energy demand subsectors, energy supply systems, energy systems transition pathways, sector coupling, demand side management, prosumers and others). (See example of the model here: https://exchange.iseesystems.com/public/andra/national-energy-model/index.html#page1). The model of this project will be supplemented with new sub-models related to energy accumulation alternatives based on the knowledge gained from activities 1.1. and 1.2. The deliverable from 1.1. activity will be used as input data for SD model creation. Stella Architect software tool will be used as simulation environment for building SD models.

3,000 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 1.3

Title of the deliverable

Prototype of Energy Equilibrium platform

40 / 100 characters

Description of the deliverable

This deliverable is the first prototype of the main project's output - Energy Equilibrium platform. See an example on how the prototype will look here: https://exchange.iseesystems.com/public/andra/national-energy-model/index.html#page1
Platform will replicate system and functions of municipality and factors affecting its road to enhancement of local renewable energy resources in the region. User interface (UI) will be created to share model with others. Platform prototype will have first user interface (UI). Drop-down menus, knobs, sliders and other best-practice measures will be introduced in the UI. Selective simulation output from the UI will be processed and accessed in graphical and tabular forms. Developed platform will allow for input of the relevant technical, economic, environmental, social, and other parameters to customize the model for specific region.

877 / 2,000 characters

Which output does this deliverable contribute to?

This deliverable is the first prototype of the main project's output - Energy Equilibrium platform.

99 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.3: Build first prototype of an Energy Equilibrium platform						
D.1.3: Prototype of Energy Equilibrium platform						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 1 Group of activities 1.4

5.6.1 Group of activities leader

Group of activities leader PP 1 - Riga Technical University

A 1.4

5.6.2 Title of the group of activities

Organize group model building activities with local public authorities and energy service providers

99 / 100 characters

5.6.3 Description of the group of activities

This activity will be performed in paralel with activities WP 1.3 and WP 1.5. This activity is responsible for including the relevant parties in Energy Equilibrium platform building process to facilitate shared understanding of the relevant factors and causalities in the system and allow to improve and fine-tune the model. Group model building (GMB) is a method to facilitate shared understanding of structures and relationships that determine system behaviour. Aim of the group model building is to identify the relevant factors and build causal maps of factors influencing the RES development in local setting. Perceived strengths of the GMB process are representation of diverse stakeholder viewpoints and complex system synthesis in a visual causal pathway, the process inclusivity, development of shared understanding, new idea generation and momentum building. Creation of a shared mental model in GMB session allows model builders to improve the initial model.

In group model building sessions representatives from project target groups will be involved (municipalities, energy consulting companies, state owned and private energy utilities, researchers from engineering and social sciences, professional associations from the energy sector). The representatives from these target groups will be invited and gathered from various BSR countries to increase its cross-border significance.

Several group model building sessions will be carried out in order to fine-tune the model. Each session will include the discussions and mental exercises in order to receive the valuable feedback. Feedback from each session will be analysed and incorporated in the model and presented in next model building session.
GMB are critical to support the creation of the model, validate its structure and behaviour, train relevant partners and decision-makers in the use of the model, receive critical input for the simulation of relevant intervention options, and share results with a variety of target audiences.

Group model building activities will be held online and all the municipalities will participate in these meetings. It is planned to organize 2-3 group model building activities.

2,191 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 1.4

Title of the deliverable

Improved Energy Equilibrium platform based on group model building sessions

75 / 100 characters

Description of the deliverable

This deliverable will produce 2 main sub-deliverables:
(1) Summarized notes and findings from the group model building sessions on system behaviour of different actors and opinions expressed during the sessions;
(2) Improved Energy Equilibrium Platform prototype and user interface available for target groups and end-users -improvements made based on insights from group model building sessions.

398 / 2,000 characters

Which output does this deliverable contribute to?

This deliverable is the first step for validation and improvement of Energy Equilibrium platform

96 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.4: Organize group model building activities with local public authorities and energy service providers						
D.1.4: Improved Energy Equilibrium platform based on group model building sessions						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 1 Group of activities 1.5

5.6.1 Group of activities leader

Group of activities leader PP 1 - Riga Technical University

A 1.5

5.6.2 Title of the group of activities

Test and validate Energy Equilibrium platform

45 / 100 characters

5.6.3 Description of the group of activities

This activity is responsible for testing and validating the model and developing the Energy Equilibrium platform for end users – target groups. The purpose of the verification or approval of the Energy Equilibrium platform that is based on system dynamics (SD) model is to determine the validity of the model structure. The accuracy of reproduction of the real behaviour of the model is also assessed. Verification tests for SD models may be divided into three groups: (1) model structure verification tests that assess the structure and elements of the model without analysing the relationship between the structure of the system and its behaviour; (2) model behaviour verification tests that assess the adequacy of the model structure by analysing the behaviour generated by the system; (3) policy impact assessment tests. Model validation will be done by performing all the verification steps described above, where the role of cross-border cooperation is crucial to increase its applicability. Platform validation will be performed in paralel to platform building activity (WP 1.3.) and group model building sessions (WP 1.4.). The deliverable of this activity will result in validated prototype of Energy Equilibrium platform which will be delivered as a web page so that anyone with a modern web browser and an internet connection can use it. It will be freely accessable to the main target groups in order to be easily piloted in WP2.

Building an outstanding interface of the Energy Equilibrium platform requires attention to detail and a clear understanding of the target group who are going to use it, therefore Energy Equilibrium platform piloting in municipalities which will be performed in WP2 will be used not only to demonstrate the platform, but also to fine-tune it to best meet the needs of the end users.

1,825 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 1.5

Title of the deliverable

Validated prototype of Energy Equilibrium platform and notes from the platform validation tests

95 / 100 characters

Description of the deliverable

The deliverable of this activity will be validated prototype of Energy Equilibrium platform and notes from the platform testing and validation. The notes will summarize the behavior of platform technical features and functions during the performed verification tests:
(1) model structure verification tests that assess the structure and elements of the model without analysing the relationship between the structure of the system and its behaviour;
(2) model behaviour verification tests that assess the adequacy of the model structure by analysing the behaviour generated by the system;
(3) policy impact assessment tests. Model validation will be done by performing all the verification steps described above, where the role of cross-border cooperation is crucial to increase its applicability.

800 / 2,000 characters

Which output does this deliverable contribute to?

This deliverable directly contribute to the development of final Energy Equilibrium Platform.

93 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.5: Test and validate Energy Equilibrium platform						
D.1.5: Validated prototype of Energy Equilibrium platform and notes from the platform validation tests						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

Work package 2

5.1 WP2 Piloting and evaluating solutions

5.2 Aim of the work package

The aim of this work package is to pilot, evaluate and adjust solutions. Plan one or several pilots to validate the usefulness of the solutions prepared in Work Package 1. Start Work Package 2 early enough to have time to pilot, evaluate and adjust solutions, together with your target groups. By the end of this work package implementation the solutions should be ready to be transferred to your target groups in Work Package 3.
The piloted and adjusted solution should be presented in one project output.
Organise your activities in up to five groups of activities. Describe the deliverables and outputs as well as present the timeline.

5.3 Work package leader

Work package leader 1 PP 1 - Riga Technical University

Work package leader 2 PP 6 - Institute of Fluid-Flow Machinery Polish Academy of Sciences

5.4 Work package budget

Work package budget 30%

5.4.1 Number of pilots

Number of pilots 1

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Local public authority Local municipalities are responsible for implementing local development strategies and establishing and managing infrastructure for local community services (utilities, energy, water, etc.). This target group comes from all countries in the Baltic Sea Region. 259 / 500 characters	This target group will be directly involved in the pilot of the Energy Equilibrium platform, as the platform will be piloted in 8 municipalities of the BSR region that are partners or associated partners of this project. This target group will also be involved in the knowledge event organized in activity 2.3 by actively participating in the presentations and roundtable discussions. 384 / 1,000 characters
2	Infrastructure and public service provider Local energy supply companies, district heating companies, local housing companies, municipal utilities, companies that are the key utility providers for households and legal entities in the regions. This target group is responsible for allocating necessary investments in the development of sufficient RES infrastructure in the region. This target group comes from all countries of the Baltic Sea region. 405 / 500 characters	This target group will be represented in Energy Equilibrium platform pilot since project partner SIA Gulbenes Nami (PP-5) is the main infrastructure and public service provider in Gulbene municipality. The representatives from this target group will also be invited to knowledge-exchange event which will be organized in activity 2.3. 334 / 1,000 characters
3	Sectoral agency Energy consultancy agencies and engineering consulting companies focusing on energy efficiency and renewable energy technologies, that are responsible for advising enterprises, local public authorities, and households on sustainable energy solutions. This target group comes from all countries in the Baltic Sea region. 319 / 500 characters	This target group will be represented in Energy Equilibrium platform pilot since project partners ZEBAU (PP-7) and Thermopolis (TP-8) are energy agencies consulting main energy end-users on better energy planning and sustainable energy transition. This target group will also be involved in the knowledge event organized in activity 2.3 by actively participating in the presentations and roundtable discussions. 412 / 1,000 characters

	Target group	How do you plan to reach out to and engage the target group?
4	Regional public authority Regional public authorities are responsible for governing planning regions and regional districts. This target group covers larger regions than local public authorities and are the first to communicate government policies and their adaptation strategies to local public authorities in their respective regions. This target group comes from all countries in the Baltic Sea Region. 379 / 500 characters	The representatives from this target group will be invited to knowledge-exchange event which will be organized in activity 2.3. Regional public authorities will be asked to express their comments on the achieved results from pilots in municipalities and their provisions on how the Energy Equilibrium platform could be applied in regional planning. Moreover, this target group will be used as the main communication mean to disseminate the Energy Equilibrium platform to municipalities and public authorities outside this project's partnership since platform will be publicly available (in accordance to activity 2.2). 618 / 1,000 characters
5	Interest group This target group includes renewable energy associations and clusters (solar, wind energy, biogas and biomethane associations), national associations (association of local governments and local authorities) and energy service provider associations (district heating companies associations, utility provider associations) that are responsible for promoting their opinions and interests in government policies. This target group comes from all countries of the Baltic Sea Region. 477 / 500 characters	The representatives from this target group will be invited to knowledge-exchange event which will be organized in activity 2.3. The associations will be asked to express their view on the achieved findings in the piloted Energy Equilibrium platform in 8 municipalities and how they see these results could impact the future advances in RES storage technology penetration in regions. Moreover, this target group will be used as the main communication mean to disseminate the Energy Equilibrium platform to municipalities and public authorities outside this project's partnership since platform will be publicly available (in accordance to activity 2.2). 654 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
2.1	**Pilot and evaluate Energy Equilibrium platform in the BSR municipalities**
2.2	**Adjust the Energy Equilibrium platform and make it publicly available**
2.3	**Organize knowledge-exchange event on renewable energy transition strategies in BSR municipalities**
2.4	**Develop a roadmap for renewable energy transition in BSR municipalities**

WP 2 Group of activities 2.1

5.6.1 Group of activities leader

Group of activities leader PP 6 - Institute of Fluid-Flow Machinery Polish Academy of Sciences

A 2.1

5.6.2 Title of the group of activities

Pilot and evaluate Energy Equilibrium platform in the BSR municipalities

73 / 100 characters

5.6.3 Description of the group of activities

This activity is responsible for piloting the developed Energy Equilibrium platform in BSR municipalities. The piloting of the Energy Equilibrium platform will be carried out in 8 municipalities in 4 different countries. The pilots will be organized in 4 groups, with the total duration of the pilot for each group being one month. 1st pilot will be performed in Latvian municipalities. The main actors of this pilot will be Gulbene municipality (PP-4) - municipality in Vidzeme Region of Latvia, Gulbenes Nami (PP-5) – main infrastructure and public service provider in Gulbene Municipality and Tukums municipality (PP-9) - municipality in Kurzeme Region of Latvia. Riga Technical University (LP-1) will work closely with Latvian municipalities and be the main driver for pilot in Latvia. 2nd pilot will be performed in Polish municipalities. 4 Polish municipalities - Mikołajki Pomorskie Commune (PP-10), Wejherowo municipality (PP-12), Sztum Commune (AO-2), Nowa Karcma municipality (AO-3) will be the main actors of this activity. IMP PAN (PP-6) will work closely with all Polish municipalities and be the main driver for pilots in Poland. 3rd pilot will be performed in Lithuanian municipality. The main actor of this activity will be Taurage district municipality (AO-1). Lithuanian Energy Institute (PP-2) will work closely with Taurage district municipality and be the main driver for pilot in Lithuania. 4th pilot will be performed in Swedish municipality. The main actor of this activity will be Tomelilla municipality (PP-11). Sustainable Business Hub Scandinavia AB (PP-3) will work closely with Tomelilla municipality and be the main driver for pilot in Sweden. Energy agencies of the partnership (PP-7, PP-8) will participate in the pilots and support and consult municipalities in platform usage, result interpretation, guidance to better energy planning and policy development.
Piloting will be done by organizing separate meetings with the representatives of the municipalities and main stakeholders of energy infrastructure development and supervision in the region. Proactive engagement of these representatives will be ensured through regular communication using different channels (on-site meetings, online meetings, phone calls and communication through e-mails). Municipalities will be deeply involved in piloting action by providing the necessary input data about technical, economic, social, environmental, legal and other aspects necessary to customize the Energy Equilibrium platform for specific case. Municipality representatives will be the main actors involved in the generation of results, having "hands-on" experience in using the Energy Equilibrium platform and analysing the results of the modelling and simulation. The goal of the specific pilots in each municipality is to model and analyse the alternative scenarios for low-carbon energy transition through enhanced alternative RES energy storage development opportunities in the regions.

2,986 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 2.1

Title of the deliverable

Evaluation report on Energy Equilibrium platform pilot in the BSR municipalities

80 / 100 characters

Description of the deliverable

The main deliverable of this activity will be an evaluation report on Energy Equilibrium platform pilot in the BSR municipalities. The report will summarize the main findings from each pilot. The report will have a focus on two main aspects:
1. Analysis of the feedback received from the municipalities on platform application. The role of the municipalities is crucial in fine-tuning the final platform to make it customizable and easy to use. Interaction between platform developers and municipalities allows to identify the missing or unnecessary elements in the platform and adjust it accordingly. This interaction also allows to catch out the final bugs in the model itself. Therefore, the feedback received will be carefully analysed, after which a clear action plan will be developed to improve the platform.
2. Analysis of the obtained results from modelling and simulation that the Energy Equilibrium platform has produced for each municipality. In the pilots of each municipality, specific results of simulation will be obtained. These results will help understand specific municipalities through which policy incentives and interventions in current energy governance, RES development in the regions could be improved and stimulated towards more prevalent adaptation of energy transition measurements in municipalities. Pilot evaluation report will summarize the main findings observed in each municipality.

1,419 / 2,000 characters

Which output does this deliverable contribute to?

This deliverable contribute to the adjusted and improved version of Energy Equilibrium Platform.

96 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.1: Pilot and evaluate Energy Equilibrium platform in the BSR municipalities			■			
D.2.1: Evaluation report on Energy Equilibrium platform pilot in the BSR municipalities			■			

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 2 Group of activities 2.2

5.6.1 Group of activities leader

Group of activities leader PP 1 - Riga Technical University

A 2.2

5.6.2 Title of the group of activities

Adjust the Energy Equilibrium platform and make it publicly available

70 / 100 characters

5.6.3 Description of the group of activities

Based on the feedback from the platform pilot (Activity 2.1.), the Energy Equilibrium platform will be adapted, improved and launched in this activity.

At first adjustments and improvements will be integrated in the previously developed model structure (in Activities 1.3. and 1.5.). The modifications will be done to improve the functionality of the platform in terms of both – (1) content and (2) ease of application. The goal of this activity is to obtain functional platform that could be easily applied in daily practice of local and regional public authorities. As a result, the Energy Equilibrium platform will increase capacity of the target groups to deal with renewable energy planning and energy system flexibility at the regional level challenges, as well as the development of effective energy action plans in the regions.

Second, the Energy Equilibrium Platform interface will be made publicly available so that anyone with a link to the platform can use it for more efficient energy planning and better decision making regarding renewable energy infrastructure development. The platform will include information on instructions and learning videos on how to use the platform, including practical advice on how to use the platform in the daily practices at municipalities.

Third, this activity will create an online survey form that will be integrated into the platform to collect feedback from users of the platform even after the official pilot phase ends. The online survey will be able to be completed by any user. Responses from the survey will be analysed regularly by the project implementers.

1,620 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ☐

O 2.2

Title of the output

Energy Equilibrium platform

27 / 100 characters

Description of the output

This activity will lead to the first and main output of the project - the Energy Equilibrium Platform. This activity will combine all the deliverables created in WP1 activities and WP 2.1. pilots to create an Energy Equilibrium Platform that can be used by end-users. End users will be able to access the platform through a user interface. The user interface will take the form of a web link that is easily accessible and understandable. The first page of the platform contains explanations of the purpose of the Energy Equilibrium Platform and a short tutorial video with instructions on how to use the platform. The following pages will include various energy and policy planning functions where municipalities can modify input data and requirements according to their specifications. The last page of the platform will have an enabled online survey to be filled by any platform user.

Energy Equilibrium Platform will serve as an energy flexibility modelling and policy simulation tool for local and regional public authorities to develop the most optimal RES strategies for the region, including the development sufficient energy storage infrastructure. The goal of the Energy Equilibrium Platform is to support the decision-making process of local and regional public authorities in developing future action plans for renewable energy and sustainability in regions. The utilization of this platform in daily practice will benefit municipalities in multiple ways: (1) Identify the most optimal RES storage development strategy and its impact on energy flexibility in the region; (2) Help to determine the key factors affecting energy equilibrium (balance between the produced energy and the consumed energy) in the region; (3) Help to develop policy mechanisms and action plans to enhance local RES in the region; (4) Help to anticipate risks and avoid making expensive mistakes (e.g. investing in inappropriate technological solutions, creating negative impact to environment, and more).

1,994 / 3,000 characters

Target groups and uptake of the solution presented in this output

Target groups	How will this target group apply the output in its daily work?
Target group 1 Local public authority Local municipalities are responsible for implementing local development strategies and establishing and managing infrastructure for local community services (utilities, energy, water, etc.). This target group comes from all countries in the Baltic Sea Region.	Energy Equilibrium platform will serve as an energy modelling and policy simulation tool for municipalities to develop the most optimal RES strategies for the region, including the development of energy storage infrastructure. It will support the decision-making process in developing future action plans for renewable energy and sustainability in regions. The utilization of this platform in daily practice will benefit municipalities in multiple ways: (1) Identify the most optimal RES storage development strategy and its impact on energy flexibility in the region; (2) Help to determine the key factors affecting energy equilibrium (balance between the produced energy and the consumed energy) in the region; (3) Help to develop policy mechanisms and action plans to enhance local RES in the region; (4) Help to anticipate risks and avoid making expensive mistakes (e.g. investing in inappropriate technological solutions, insufficient provision of necessary technologies, and more). 988 / 1,000 characters
Target group 2 Infrastructure and public service provider Local energy supply companies, district heating companies, local housing companies, municipal utilities, companies that are the key utility providers for households and legal entities in the regions. This target group is responsible for allocating necessary investments in the development of sufficient RES infrastructure in the region. This target group comes from all countries of the Baltic Sea region.	This target group will use the Energy Equilibrium platform for better and rational energy planning and identification of the most optimal directions in which energy storage infrastructure solutions the investments should be allocated, what is the approximate amount of these investments and how feasible it is for the company and region as a whole. 349 / 1,000 characters
Target group 3 Sectoral agency Energy consultancy agencies and engineering consulting companies focusing on energy efficiency and renewable energy technologies, that are responsible for advising enterprises, local public authorities, and households on sustainable energy solutions. This target group comes from all countries in the Baltic Sea region.	This target group will use the Energy Equilibrium Platform as part of their energy consulting activities to advise their clients on the optimal RES development direction in their case. The Platform will help sectoral agencies better argue and provide fact- and data-based solutions for their clients' long-term sustainability. 326 / 1,000 characters
Target group 4 Regional public authority Regional public authorities are responsible for governing planning regions and regional districts. This target group covers larger regions than local public authorities and are the first to communicate government policies and their adaptation strategies to local public authorities in their respective regions. This target group comes from all countries in the Baltic Sea Region.	Similar to local public authorities, regional agencies will benefit from applying the Energy Equilibrium Platform to their daily practices in the following ways: (1) improve decision making in developing renewable energy and sustainability strategies; (2) assist in identifying the optimal technological energy storage solution for the region given its spatial planning and territorial potential; and (3) help create an enabling environment in the region that would encourage investment in RES in the region. 509 / 1,000 characters

Target groups	How will this target group apply the output in its daily work?
Target group 5 Interest group This target group includes renewable energy associations and clusters (solar, wind energy, biogas and biomethane associations), national associations (association of local governments and local authorities) and energy service provider associations (district heating companies associations, utility provider associations) that are responsible for promoting their opinions and interests in government policies. This target group comes from all countries of the Baltic Sea Region.	This target group will use the Energy Equilibrium platform in its communication strategies with governments, companies, agencies, public and private institutions. The platform will help them develop reasonable and fact-based arguments that will enable them to better argue and advocate for their interests. In addition, this target group will use the platform to convince the general public of the characteristics of renewable energy and the role of RES accumulation in municipalities. 485 / 1,000 characters

Durability of the output

All of the developed deliverables of the Energy Equilibrium Platform will be publicly available during the project implementation, as well as after the end of the project through the lead partner's website and Interreg's page for the project. Energy Equilibrium Platform will be available online at least five years after its launch, the expenses for platform provision is anticipated in the lead partner's budget.
To ensure the further development of the output developed in this project , after the end of this project new project proposals will be developed to acquire financing. Developed partnership in this project and experience in transnational cooperation will allow to jointly create the next research project proposal for EU Framework Programs (such as Horizon 2030, Horizon Europe, European Regional Development Fund, etc.) to promote the further international transfer of the ideas and solutions developed within the project, as well as the developed Energy Equilibrium Platform.

995 / 1,000 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.2: Adjust the Energy Equilibrium platform and make it publicly available						
O.2.2: Energy Equilibrium platform						

5.6.7 This deliverable/output contains productive or infrastructure investment

WP 2 Group of activities 2.3

5.6.1 Group of activities leader

Group of activities leader PP 3 - Sustainable Business Hub Scandinavia AB

A 2.3

5.6.2 Title of the group of activities

Organize knowledge-exchange event on renewable energy transition strategies in BSR municipalities

97 / 100 characters

5.6.3 Description of the group of activities

In this activity, a knowledge exchange event will be held among all partners to discuss the results of all the pilots in Activity 2.1. and to evaluate the outcomes achieved so far in the project. This activity will summarize the main findings from pilots in municipalities and the feedback received from the end users of the platform. The summary will be outlined in presentations that will be presented by the project partners during the event.

A roundtable discussion will be held during the event. The discussion will be used to develop a detailed action plan for the development of a "Roadmap for renewable energy transition in BSR Communities" (Activity 2.4.). Partners will be asked to share their opinions and arguments on the important issues that should be included in the roadmap, according to their observations in WP1 and the pilots in WP2.

The event will be organized by Sustainable Business Hub (PP-3) and will take place in Sweden. The event will be hybrid – the main event will be organized in Sweden by PP-3 attended by all partners. The event will be also transmitted through online meeting platforms so that other stakeholders and target groups participate online.

1,187 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 2.3

Title of the deliverable

Outcomes and insights from knowledge-exchange event

51 / 100 characters

Description of the deliverable

The main deliverable of this activity will be findings and insights obtained from knowledge-exchange event between partners and target groups which will be summarized in a briefing paper. The paper will compile all the presentation materials developed in this activity summarizing the main findings from Energy Equilibrium platform pilots in municipalities and achieved outcomes of the project so far. The briefing paper will also outline the main issues discussed during roundtable discussion, pointing out the main steps that will be taken to develop a "Roadmap for renewable energy transition in BSR Communities" in Activity 2.4.

633 / 2,000 characters

Which output does this deliverable contribute to?

This deliverable contribute to a roadmap for renewable energy transition in BSR municipalities

94 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.3: Organize knowledge-exchange event on renewable energy transition strategies in BSR municipalities						
D.2.3: Outcomes and insights from knowledge-exchange event						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 2 Group of activities 2.4

5.6.1 Group of activities leader

Group of activities leader PP 3 - Sustainable Business Hub Scandinavia AB

A 2.4

5.6.2 Title of the group of activities

Develop a roadmap for renewable energy transition in BSR municipalities

71 / 100 characters

5.6.3 Description of the group of activities

The main goal of this activity is to develop practical guidelines for energy agencies, energy supply companies, local public authorities and interest groups about more efficient energy planning and development of action plans at municipal level with a particular focus on RES accumulation role in carbon neutral energy system development. Practical guidelines will include the determined policy recommendations for acquiring the identified RES accumulation development potential in regions. The title of these guidelines will be called “Roadmap for renewable energy transition in BSR municipalities”. To develop the roadmap the following sub-activities will be performed: (1) Summarize the main findings from multi-dimensional assessment of different RES development scenarios in municipalities (performed in activity 1.1.); (2) Summarize the main findings from piloting Energy Equilibrium Platform in BSR municipalities and develop conclusions based on the observations in each municipality; (3) Based on the obtained results develop policy recommendations for acquiring the identified RES accumulation infrastructure development potential in BSR municipalities; (4) Develop practical suggestions for better energy planning and development of efficient RES action plans in the regions; (5) Develop plan for anchoring Energy Equilibrium Platform usage in daily practices of local and regional public authorities.

1,413 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable

☐

O 2.4

Title of the output

Roadmap for renewable energy transition in BSR municipalities

61 / 100 characters

Description of the output

This activity will result in the second main output of the project - Roadmap for renewable energy transition in BSR municipalities. This roadmap will be practical guidelines for more effective energy planning and action plan development in municipalities. Guidelines will help municipalities to make sound decisions regarding efficient energy planning to increase the use of local renewable energy resources. It will explain how to create a positive and responsive policy environment for increased deployment of RES technologies and RES storage solutions in regions. Guidelines will identify the key elements for increasing RES capacity in municipalities, the total cost, and the level of cumulative financial support needed to fund RES investments.

These guidelines will be called “Roadmap for renewable energy transition in BSR municipalities” which will contain the following aspects:
(1) Summary of the main findings from piloting Energy Equilibrium Platform in BSR municipalities – investigation of the alternative scenarios for the adaptation of RES measurements considering the interests of all the stakeholders, techno-economic, social, environmental, political and legal aspects of different RES development strategies;
(2) Based on the obtained results developed policy recommendations for acquiring the identified RES accumulation infrastructure development potential in BSR municipalities;
(3) Practical suggestions for better energy planning and development of efficient RES action plans in the regions;
(4) Practical guidelines of Energy Equilibrium Platform usage in daily practices of municipalities during decision making processes of local and regional public authorities to stimulate alternative paths to reach energy transition goals through the perspective of active stimulation of local RES utilization by ensuring sufficient infrastructure for its energy storage.

1,888 / 3,000 characters

Target groups and uptake of the solution presented in this output

Target groups	How will this target group apply the output in its daily work?
Target group 1 Local public authority Local municipalities are responsible for implementing local development strategies and establishing and managing infrastructure for local community services (utilities, energy, water, etc.). This target group comes from all countries in the Baltic Sea Region.	This output will serve as the supporting reference material in developing regional action plans and policy support mechanisms. Municipalities will be able to base their decisions on facts and real simulation results. Moreover, municipalities will be able to use this output to argument their development directions and its impact on long-term sustainability of the region. The output will be applied to understand how to interpret results from Energy Equilibrium platform. 473 / 1,000 characters

Target groups	How will this target group apply the output in its daily work?
Target group 2 Infrastructure and public service provider Local energy supply companies, district heating companies, local housing companies, municipal utilities, companies that are the key utility providers for households and legal entities in the regions. This target group is responsible for allocating necessary investments in the development of sufficient RES infrastructure in the region. This target group comes from all countries of the Baltic Sea region.	This output will be used by energy supply and utility companies in order to argue the feasibility of new investments in renewable energy infrastructure projects. The output will be applied to understand how to interpret results from Energy Equilibrium platform. This output will serve as practical support in main decision-making processes of this target group. 362 / 1,000 characters
Target group 3 Sectoral agency Energy consultancy agencies and engineering consulting companies focusing on energy efficiency and renewable energy technologies, that are responsible for advising enterprises, local public authorities, and households on sustainable energy solutions. This target group comes from all countries in the Baltic Sea region.	This target group will be able to use this output in the reports and informative materials developed for their clients. This output will contribute to the knowledge base of this target group and allow to use this output as credible reference material for efficient and fact-based decision making. 296 / 1,000 characters
Target group 4 Regional public authority Regional public authorities are responsible for governing planning regions and regional districts. This target group covers larger regions than local public authorities and are the first to communicate government policies and their adaptation strategies to local public authorities in their respective regions. This target group comes from all countries in the Baltic Sea Region.	This output will be used by regional public authorities in developing of long-term sustainability plans in the planning regions. This output will serve as fact-based reference material for arguing their interest in making necessary amendments in regional legislation documents. Moreover, this output will help to understand this target group which development strategy is the most optimal for the specific region given its territorial planning specifics and geographical potential. 481 / 1,000 characters
Target group 5 Interest group This target group includes renewable energy associations and clusters (solar, wind energy, biogas and biomethane associations), national associations (association of local governments and local authorities) and energy service provider associations (district heating companies associations, utility provider associations) that are responsible for promoting their opinions and interests in government policies. This target group comes from all countries of the Baltic Sea Region.	This target group will be able to use this output to further promote their knowledge on renewable energy technological solutions. This output will support the knowledge-base of energy storage opportunities for different RES technological solutions. Moreover, this output will help to convince general public and followers of these associations about the most optimal choices and directions towards sustainable energy transition in regions. 440 / 1,000 characters

Durability of the output

This output will be publicly available during the project implementation, as well as after the end of the project through the lead partner's website and Interreg's page for the project.
To ensure the further development of the output developed in this project , after the end of this project new project proposals will be developed to acquire financing. Developed partnership in this project and experience in transnational cooperation will allow to jointly create the next research project proposal for EU Framework Programs (such as Horizon 2030, Horizon Europe, European Regional Development Fund, etc.) to promote the further international transfer of the ideas and solutions developed within the project, as well as the developed Energy Equilibrium Platform.

766 / 1,000 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.4: Develop a roadmap for renewable energy transition in BSR municipalities						
O.2.4: Roadmap for renewable energy transition in BSR municipalities						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

Work package 3

5.1 WP3 Transferring solutions

5.2 Aim of the work package

In Work Package 3, communicate and transfer the ready solutions to your target groups. Plan at least one year for this work package to transfer your solutions to the target groups, considering their respective needs. Select suitable activities to encourage your target groups to use the solutions in their daily work.
Organise your activities in up to five groups of activities. Describe the deliverables and outputs as well as present the timeline.

5.3 Work package leader

Work package leader 1	PP 7 - ZEBAU - Centre for Energy, Construction, Architecture and the Environment Ltd.
Work package leader 2	PP 3 - Sustainable Business Hub Scandinavia AB

5.4 Work package budget

Work package budget	30%

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Local public authority Local municipalities are responsible for implementing local development strategies and establishing and managing infrastructure for local community services (utilities, energy, water, etc.). This target group comes from all countries in the Baltic Sea Region. 259 / 500 characters	This target group will be involved in all the main activities of WP3. The representatives from local public authorities will be invited to participate in workshops organized in activity 3.1. where training on Energy Equilibrium platform application for daily practices of municipalities will be held. Moreover, municipalities will be invited to participate in the webinars and seminars organized in activity 3.2. The representatives of this target group will be included as the main members of the Regional Stakeholder Groups established in activity 3.4. 555 / 1,000 characters
2	Infrastructure and public service provider Local energy supply companies, district heating companies, local housing companies, municipal utilities, companies that are the key utility providers for households and legal entities in the regions. This target group is responsible for allocating necessary investments in the development of sufficient RES infrastructure in the region. This target group comes from all countries of the Baltic Sea region. 405 / 500 characters	This target group will be involved in all the main activities of WP3. Local infrastructure and public service companies will be invited to participate in workshops organized in activity 3.1. where training on Energy Equilibrium platform application for daily practices will be held. Moreover, this target group will be invited to participate in the webinars and seminars organized in activity 3.2. The representatives of this target group will be included as the main members of the Regional Stakeholder Groups established in activity 3.4. 539 / 1,000 characters
3	Sectoral agency Energy consultancy agencies and engineering consulting companies focusing on energy efficiency and renewable energy technologies, that are responsible for advising enterprises, local public authorities, and households on sustainable energy solutions. This target group comes from all countries in the Baltic Sea region. 319 / 500 characters	This target group will be involved in all the main activities of WP3. The representatives from this target group will be invited to participate in workshops organized in activity 3.1. where training on Energy Equilibrium platform application for daily practices will be held. Moreover, this target group will be invited to participate in the webinars and seminars organized in activity 3.2. The representatives of this target group will be included as the main members of the Regional Stakeholder Groups established in activity 3.4. 532 / 1,000 characters
4	Regional public authority Regional public authorities are responsible for governing planning regions and regional districts. This target group covers larger regions than local public authorities and are the first to communicate government policies and their adaptation strategies to local public authorities in their respective regions. This target group comes from all countries in the Baltic Sea Region. 379 / 500 characters	This target group will be involved in all the main activities of WP3. The representatives from this target group will be invited to participate in workshops organized in activity 3.1. where training on Energy Equilibrium platform application for daily practices will be held. Moreover, this target group will be invited to participate in the webinars and seminars organized in activity 3.2. The representatives of this target group will be included as the main members of the Regional Stakeholder Groups established in activity 3.4. 532 / 1,000 characters
5	Interest group This target group includes renewable energy associations and clusters (solar, wind energy, biogas and biomethane associations), national associations (association of local governments and local authorities) and energy service provider associations (district heating companies associations, utility provider associations) that are responsible for promoting their opinions and interests in government policies. This target group comes from all countries of the Baltic Sea Region. 477 / 500 characters	This target group will be involved in all the main activities of WP3. The representatives from this target group will be invited to participate in workshops organized in activity 3.1. where training on Energy Equilibrium platform application for daily practices will be held. Moreover, this target group will be invited to participate in the webinars and seminars organized in activity 3.2. The representatives of this target group will be included as the main members of the Regional Stakeholder Groups established in activity 3.4. 532 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
3.1	To organize public workshops on Energy Equilibrium platform utilization in daily practice
3.2	To disseminate results to general public and target groups
3.3	To disseminate results to scientific community and study environment
3.4	To establish Regional Stakeholder Groups

WP 3 Group of activities 3.1

5.6.1 Group of activities leader

Group of activities leader PP 1 - Riga Technical University

A 3.1

5.6.2 Title of the group of activities

To organize public workshops on Energy Equilibrium platform utilization in daily practice

89 / 100 characters

5.6.3 Description of the group of activities

In order to educate and train public authorities and other target groups on utilization of the Energy Equilibrium platform public workshops will be organized by the project partners. Workshops will include hands-on practice of the tool utilization and its offered possibilities. Case studies from pilots in municipalities (in activity 2.1.) will be presented and obtained results will be discussed. The participants will be asked to share their feedback on Energy Equilibrium platform and opportunities for platform application in their organizations. The most active participants will be offered to share their personal experience on tool application in their organization and achieved results in other project publicity activities such as webinars, e-consultation sessions and open discussion events (organized in activities 3.2. and 3.4.). In the scope of this activity presentations and handouts will be prepared that will summarize the instructions on Energy Equilibrium platform usage and application in daily practice. In total 2 workshops will be organized, the representatives from all the target groups will be invited to take participation in the workshops.

1,168 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 3.1

Title of the deliverable

Developed training material to be presented in workshops

56 / 100 characters

Description of the deliverable

This deliverable will compile all the training materials developed to be presented in the workshops. The training materials will summarize the instructions on Energy Equilibrium platform usage an application in daily practice. These instructions are already integrated in the platform, however, for the purposes of workshops, these guidelines will be structured in practical presentations and handouts. The handouts will be distributed to the target groups electronically and in paper versions.

496 / 2,000 characters

Which output does this deliverable contribute to?

This deliverable contribute to sustainable information dissemination of both main project's outputs.

100 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.1: To organize public workshops on Energy Equilibrium platform utilization in daily practice					■	■
D.3.1: Developed training material to be presented in workshops						■

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 3 Group of activities 3.2

5.6.1 Group of activities leader

Group of activities leader PP 7 - ZEBAU - Centre for Energy, Construction, Architecture and the Environment Ltd.

A 3.2

5.6.2 Title of the group of activities

To disseminate results to general public and target groups

58 / 100 characters

5.6.3 Description of the group of activities

To ensure effective and sustainable information dissemination, and maximize the impact of the results achieved in the project the whole project implementation team will proactively disseminate results to general public and target groups through different communication channels. The goal of this activity is to inform society, energy producers, companies, public authorities, the scientific community and other public and private institutions about more effective renewable energy generation and the adaptation of the latest technological advances to current energy systems, including RES storage opportunities and the role of flexibility for the sustainability of the energy system. The aim of proactive result dissemination is to ensure determined and strategic information dissemination targeted at all the main target groups of the project in order to reach the maximum impact. The direct target groups of the project are the public authorities, energy producers, energy consulting companies, production companies, investors, ministries and municipalities since they are responsible for the energy production practices and they are the main decision makers who can directly decide on the introduction of more efficient and sustainable energy generation and storage measures. Therefore, it is necessary to promote the importance of these measures in the perception of this target group. The indirect target groups are associations, scientific institutions, social partners, consultants, scientific staff and community, and other public and private institutions that have a strong indirect power to influence the direction of future development pathways.

In order to ensure a sustainable dissemination of information, different communication tools will be used to reach the end-user of the Energy Equilibrium platform. The following information dissemination activities will be performed:
(1) organize 2 webinars/e-discussions
(2) organize 2 seminars to share knowledge on project results and involve stakeholders into a panel discussion on topic “How to speed up renewable energy transition in regions?”. One seminar will be organized by RTU (LP-1) and will take place in Riga, Latvia. Other seminar will be organized by Gulbene municipality (PP-4) and Gulbenes Nami (PP-5) and will take place in Gulbene, Latvia. These seminars will be hybrid where the main events in Riga and Gulbene will be also transmitted through online meeting platforms so that other stakeholders and target groups participate online
(3) additional local seminars (2 in Lithuania) and (2 in Poland- seminar and conference) will be organized in order to establish closer contact with local target groups
(4) 2 popular science articles will be published, 1 podcast will be recorded and published on audio streaming platforms such as Spotify, at least 5 social media announcements published on social networks such as the Facebook, Instagram, LinkedIn.

2,932 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ✔

D 3.2

Title of the deliverable

Information dissemination materials

35 / 100 characters

Description of the deliverable

This activity will result in numerous information dissemination materials that will be used to inform general public and target groups about the project and Energy Equilibrium platform. The following materials will be developed:
(1) Presentations from 2 webinars/e-discussions
(2) Presentations from 2 seminars
(3) Presentations from local seminars
(4) 2 popular science articles
(5) 1 podcast
(6) 5 social media announcements

428 / 2,000 characters

Which output does this deliverable contribute to?

This deliverable contribute to sustainable information dissemination of both main project's outputs.

100 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.2: To disseminate results to general public and target groups					■	■
D.3.2: Information dissemination materials						■

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 3 Group of activities 3.3

5.6.1 Group of activities leader

Group of activities leader PP 1 - Riga Technical University

A 3.3

5.6.2 Title of the group of activities

To disseminate results to scientific community and study environment

68 / 100 characters

5.6.3 Description of the group of activities

In the scope of the project, significant scientific results will be achieved on RES infrastructure development challenges, tendences and cornerstones with a special focus on energy storage and it impact on energy system flexibility. Therefore, the project will also include activities to disseminate scientific results to the scientific community and study environment. The project aims to publish scientific publications and attend international scientific conferences, as well as organize guest lectures to bachelor and master students of RTU "Environmental Engineering" study module. This activity aims to broaden the impact of the project results and enhance the knowledge of energy planning for future decision makers and contribute to the generation of new knowledge in the field of energy policy in the scientific community. The following activities will be implemented to disseminate results to scientific community:
(1) In total 2 scientific papers will be submitted to international peer-reviewed scientific journals;
(2) 1 scientific conference will be attended;
(3) Organize 2 guest-lectures by presenting the results achieved in the project;
(4) To continue dissemination of project work and promote the further international transfer of the ideas and solutions developed within the project by preparing project proposal developed for EU Framework Programs for Research and Innovation.

1,402 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ☑

D 3.3

Title of the deliverable

Scientific dissemination materials

34 / 100 characters

Description of the deliverable

This deliverable will summarize all the scientific materials produced in this activity in order to disseminate the results of the project to scientific community.
(1) In total 2 scientific papers will be submitted to international peer-reviewed scientific journals
(2) 2 scientific conferences will be attended;
(3) Presentations for 2 lectures presenting Energy Equilibrium platform and project's results.

409 / 2,000 characters

Which output does this deliverable contribute to?

This deliverable contribute to sustainable information dissemination of both main project's outputs

99 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.3: To disseminate results to scientific community and study environment					■	■
D.3.3: Scientific dissemination materials						■

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 3 Group of activities 3.4

5.6.1 Group of activities leader

Group of activities leader PP 7 - ZEBAU - Centre for Energy, Construction, Architecture and the Environment Ltd.

A 3.4

5.6.2 Title of the group of activities

To establish Regional Stakeholder Groups

40 / 100 characters

5.6.3 Description of the group of activities

To involve the regional target groups on a regular basis, in all involved partner regions, a Regional Stakeholder Group (RSG) will be established. In this, the relevant actors for the implementation of RES infrastructure like public authorities, energy producers, energy consulting companies and production companies will be brought together to jointly develop activities to improve the framework conditions and to support the realisation of projects. The RSG are planned to continue to exist after the projects period to carry on the dissemination of the project results.

The aim of the RSG will be to create effective information dissemination networks in each partner country which will help to anchor the results obtained in the project. RSG will help to maximize the impact from the project's results and ensure its continuous transfer also after the project implementation. In total 6 Regional Stakeholder Groups will be established – in Latvia, Lithuania, Poland, Germany, Sweden, Finland. Partners intent to use already existing networks and platforms as RSG to inform local stakeholders and decision-makers and to exchange the experiences and results. Each partner will be responsible for creating a contact list with all the target groups which will be included in regional networks. These networks will be used during the whole project implementation process as well as after the end of the project to share information on outputs developed in the project.

During the project proposal development process project partners received numerous support letters from the members that can be potentially included in the Regional Stakeholder Groups in each country. (See the support letters in the attached documentation of the project proposal).

1,754 / 3,000 characters

5.6.4 This group of activities leads to the development of a deliverable ☑

D 3.4

Title of the deliverable

Six Regional Stakeholder Groups

31 / 100 characters

Description of the deliverable

This deliverable contains the establishment of six Regional Stakeholder Groups, one in each partner country - Latvia, Lithuania, Poland, Germany, Sweden, Finland. This deliverable will include a contact list with all the target groups which will be included in regional networks in each country. These networks will be used during the whole project implementation process as well as after the end of the project to share information on outputs developed in the project.

469 / 2,000 characters

Which output does this deliverable contribute to?

This deliverable contribute to sustainable information dissemination of both main project's outputs.

100 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.4: To establish Regional Stakeholder Groups						
D.3.4: Six Regional Stakeholder Groups						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

6. Indicators

Indicators

Output indicators				Result indicators		
Output indicators	**Total target value in number**	**Project outputs**	**Please explain how the solution presented in this output serves the target group(s).**	**Result indicator**	**Total target value in number**	**Please explain how organisations in the target groups within or outside the partnership will take up or upscale each solution.**
RCO 84 – Pilot actions developed jointly and implemented in projects	1	N/A	N/A			
RCO 116 – Jointly developed solutions	2	O.2.2: Energy Equilibrium platform	This output will support the decision-making process of local and regional public authorities and energy suppliers in developing future action plans for renewable energy and sustainability in regions. The utilization of Energy Equilibrium platform in daily practice will: (1) Given territorial potential, available budget, natural resources, and regional socioeconomic factors help to identify the most optimal RES storage development strategy and its impact on energy system flexibility in the region; (2) Help to determine the key factors affecting energy equilibrium (balance between the produced energy and the consumed energy) in the region; (3) Help to develop policy mechanisms and action plans to enhance local RES and energy independence in the region; (4) Help to anticipate risks (technological, economic, social, and political) and avoid making expensive mistakes (e.g. investing in inappropriate technological solutions). 934 / 1,000 characters			

Output indicators	Total target value in number	Project outputs	Please explain how the solution presented in this output serves the target group(s).	Result indicator	Total target value in number	Please explain how organisations in the target groups within or outside the partnership will take up or upscale each solution.
		O.2.4: Roadmap for renewable energy transition in BSR municipalities	The output will increase the capacity of local and regional public authorities, infrastructure and energy service providers, energy agencies and other stakeholders involved in the implementation of RES infrastructure in the regions to deal with challenges related to increasing renewable energy and the flexibility of the energy system in the regions. This output will outline the most optimal strategic directions for developing sufficient RES storage infrastructure at municipal level, considering the economic, technical, social, environmental, political, and legal factors specific to each region. This output will guide public authorities to sustainable RES transition in the regions by outlining practical steps that municipalities need to take today to create an enabling environment for the development of sufficient RES infrastructure, including the necessary energy storage capacity which is the key cornerstone in supporting the uninterrupted supply of secure and locally generated energy. 1,000 / 1,000 characters	**RCR 104 - Solutions taken up or up-scaled by organisations**	2	The solutions developed in the project will be practical innovations that can be easily integrated into the daily practice of the project's main target groups - local and regional public authorities, energy supply companies, energy agencies and associations. Both outputs developed in the project will help to deal with urgent and high importance regional level challenges regarding sustainable energy transition technologies, as a result solving the current issue of lack of capacity and knowledge in the deployment of low-carbon energy solutions. Organisations will uptake solutions through following steps. Initially, a strong communication link and network between project implementers and representatives of key target group organizations will be established and maintained throughout project implementation and beyond. These communication networks will be used to inform organizations about the solutions to be developed in the project and to involve them in the building processes of these solutions through participation in role game and open discussion event, group model building sessions, pilots and knowledge-exchange events. Therefore, the involvement and uptake of the solutions will be ensured already at the beginning of the Energy Equilibrium and roadmap development stage. Furthermore, organizations will take participation in the organized workshops on the usage and application of project’s outputs in daily practices, as well as in webinars and seminars organized by the project implementers. The positive case studies conducted as part of the project’s pilots in 8 municipalities of the BSR will convince other organizations to follow the example and uptake solutions that will significantly improve their capacity and problem-solving for complicated regional challenges. The project's supporters (see letters of support), research organizations and associations will help to effectively disseminate the project's results to maximize the impact of the project’s outputs. 1,994 / 2,000 characters

Output indicators		Result indicators			
Output indicator	**Total target value in number**	**Result indicator**	**Total target value in number**	**Please describe what types of organisations are planned to actively participate in the project. Explain how this participation will increase their institutional capacity. These types of organisations should be in line with the target groups you have defined for your project.**	
RCO 87 - Organisations cooperating across borders	15	**PSR 1 - Organisations with increased institutional capacity due to their participation in cooperation activities across borders**	30	Project partners and associated organisations	The project will significantly increase the institutional capacity of all partners and associated partners of the project, who are also the main target groups of the project and the solutions developed under the project. Capacity building will be ensured through transnational collaboration and new knowledge generation and exchange events within the partnership. Municipalities from different countries will be able to gain new fields of perspectives and learn from their peers abroad, as well as receive valuable support on efficient renewable energy planning and transition towards climate-neutral energy systems in the regions. The energy agencies, clusters and research organizations involved in the partnership will ensure the creation of a close support group for local and regional public authorities and energy infrastructure companies, where representatives of these organizations can gain new knowledge about the development directions of RES and energy storage, establish valuable networks and entrust the development of the Energy Equilibrium platform, which will contribute significantly to regional long-term development and clean energy transition. The project will bring together different fields and levels of expertise and experience, which will help to include all relevant aspects in the development of innovative and practically applicable solutions to the challenges of the regional energy transition in municipalities. 1,444 / 1,500 characters
				Other organisations	Other organizations that are also key target groups of the project, but are outside the official project partnership, have expressed their support for the project and their willingness to participate in project implementation. In the project documentation, there are attached letters of support from these organizations. These organizations are district heating and energy supply companies in municipalities (Jūrmalas siltums, Salaspils siltums, Lapuan Energia Oy, UAB Alytaus šilumos tinklai), energy agencies and associations (Skane Energy agency, Bioenergy Association, Lithuanian Thermal Engineering Association, Wind Energy Association, Latvian Association of Power Engineers and Energy Constructors, Latvian Association of Heating Companies) and regional public authorities (Riga Planning region, Kurzeme Planning region, Vidzeme Planning region, Latgale Planning region). The institutional capacity of these organizations will be significantly increased throughout usage of Energy Equilibrium platform developed in the project in their daily practice and through their active participation in the project's activities such as role game and open discussion event, group model building activities, knowledge exchange evens, workshops, webinars, and seminars. 1,265 / 1,500 characters

7. Budget

7.0 Preparation costs

Preparation Costs

Would you like to apply for reimbursement of the preparation costs?	No

7.1 Breakdown of planned project expenditure per cost category & per partner

No. & role	Partner name	Partner status	CAT1 - Staff	CAT2 - Office & administration	CAT3 - Travel & accommodation
1 - LP	Riga Technical University	Active 22/09/2022	366,538.46	54,980.77	54,980.77
2 - PP	Lithuanian Energy Institute (LEI)	Active 22/09/2022	146,670.00	22,000.50	22,000.50
3 - PP	Sustainable Business Hub Scandinavia AB	Active 22/09/2022	180,042.00	27,006.30	27,006.30
4 - PP	Gulbene Municipality	Active 22/09/2022	43,200.00	6,480.00	6,480.00
5 - PP	Gulbenes Nami, Ltd	Active 22/09/2022	43,200.00	6,480.00	6,480.00
6 - PP	Institute of Fluid-Flow Machinery Polish Academy of Sciences	Active 22/09/2022	188,843.04	28,326.46	28,326.46
7 - PP	ZEBAU - Centre for Energy, Construction, Architecture and the Environment Ltd.	Active 22/09/2022	152,832.00	22,924.80	22,924.80
8 - PP	Thermopolis Ltd	Active 22/09/2022	153,846.16	23,076.92	23,076.92
9 - PP	Tukums Municipality	Active 22/09/2022	53,846.16	8,076.92	8,076.92
10 - PP	Mikołajki Pomorskie Commune	Active 22/09/2022	31,948.32	4,792.25	4,792.25
11 - PP	Tomelilla municipality	Active 22/09/2022	78,634.56	11,795.18	11,795.18
12 - PP	Wejherowo Municipality	Active 22/09/2022	35,902.32	5,385.35	5,385.35
Total			1,475,503.02	221,325.45	221,325.45

No. & role	Partner name	CAT4 - External expertise & services	CAT5 - Equipment	Total partner budget
1 - LP	Riga Technical University	23,500.00	0.00	500,000.00
2 - PP	Lithuanian Energy Institute (LEI)	7,334.00	0.00	198,005.00
3 - PP	Sustainable Business Hub Scandinavia AB	10,000.00	0.00	244,054.60
4 - PP	Gulbene Municipality	0.00	0.00	56,160.00
5 - PP	Gulbenes Nami, Ltd	0.00	0.00	56,160.00
6 - PP	Institute of Fluid-Flow Machinery Polish Academy	5,000.00	0.00	250,495.96
7 - PP	ZEBAU - Centre for Energy, Construction, Architekt Ltd	18,200.00	0.00	216,881.60
8 - PP	Thermopolis Ltd	0.00	0.00	200,000.00
9 - PP	Tukums Municipality	0.00	0.00	70,000.00
10 - PP	Mikołajki Pomorskie Commune	11,000.00	0.00	52,532.82
11 - PP	Tomelilla municipality	0.00	0.00	102,224.92
12 - PP	Wejherowo Municipality	5,000.00	0.00	51,673.02
Total		80,034.00	0.00	1,998,187.92

7.1.1 External expertise and services

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
1. Riga Technical U	Events/meetings	CAT4-PP1-A-0	Organization of 2 seminars, 2 webinars, and 2 workshops 56 / 100 characters	No	3.1 3.2	4,000.00	
1. Riga Technical U	IT	CAT4-PP1-B-0	Stella Architect - user interface subscriptions 47 / 100 characters	No	1.3 1.4 1.5 2.1 2.2 3.1 3.2 3.3	12,000.00	
1. Riga Technical U	Communication	CAT4-PP1-C-0	Preparation of handouts, banners and dissemination materials 60 / 100 characters	No	2.3 3.1 3.2 3.3 3.4	2,500.00	
1. Riga Technical U	Other	CAT4-PP1-G-0	Translation services 20 / 100 characters	No	3.1 3.2 3.4	1,000.00	
1. Riga Technical U	Communication	CAT4-PP1-C-0	Participation in scientific conferences, publicity costs of scientific publications 83 / 100 characters	No	3.3	4,000.00	
2. Lithuanian Energ	Events/meetings	CAT4-PP2-A-0	Two big live national seminars - 1 for municipalities and 1 for energy providers and advisors 93 / 100 characters	No	3.2	2,234.00	
2. Lithuanian Energ	IT	CAT4-PP2-B-0	Creation and maintenance of project website in national language for the project duration period 96 / 100 characters	No	3.2	500.00	
2. Lithuanian Energ	Specialist support	CAT4-PP2-E-0	Professional speakers during national project seminars 54 / 100 characters	No	3.2	1,600.00	
2. Lithuanian Energ	National control	CAT4-PP2-F-0	6 national controls for 6 half year audits of the project 57 / 100 characters	No	N/A	3,000.00	
	Total					80,034.00	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
6. Institute of Fluid-	Events/meetings	CAT4-PP6-A-1	Organizing 1 seminar and 1 conference 38 / 100 characters	No	3.2	4,000.00	
6. Institute of Fluid-	Communication	CAT4-PP6-C-1	Preparing promotion and dissemination materials 47 / 100 characters	No	2.3 3.1 3.2 3.4	1,000.00	
3. Sustainable Busi	Events/meetings	CAT4-PP3-A-1	Organization of a knowledge-exchange event 42 / 100 characters	No	2.3	5,000.00	
3. Sustainable Busi	Communication	CAT4-PP3-C-1	Preparation of information dissemination materials 50 / 100 characters	No	2.3 3.1 3.2 3.4	5,000.00	
7. ZEBAU - Centre	Events/meetings	CAT4-PP7-A-1	Room rent and Catering 23 / 100 characters	No	1.2	6,000.00	
7. ZEBAU - Centre	IT	CAT4-PP7-B-1	Online Equipment for the event 30 / 100 characters	No	1.2	5,000.00	
7. ZEBAU - Centre	National control	CAT4-PP7-F-1	FLC- First Level Control of the project 39 / 100 characters	No	N/A	7,200.00	
10. Mikołaiki Pomor	Communication	CAT4-PP10-C-	Preparing promotion and dissemination materials 47 / 100 characters	No	2.3 3.1 3.2 3.4	1,000.00	
10. Mikołaiki Pomor	Specialist support	CAT4-PP10-E-	Expert reports on energy issues 31 / 100 characters	No	2.1	10,000.00	
12. Weiherowo Mu	Events/meetings	CAT4-PP12-A-	Contribute in organizing seminar and conference of PP-6 56 / 100 characters	No	3.2	4,000.00	
12. Weiherowo Mu	Communication	CAT4-PP12-C-	Preparing promotion and dissemination materials 48 / 100 characters	No	2.3 3.1 3.2 3.4	1,000.00	
	Total					80,034.00	

7.1.2 Equipment

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
Please select	Please select	CAT5-PP--01	0 / 100 characters	Please select		0.00	
	Total					0.00	

7.1.3 Infrastructure and works

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
Please select	Please select	CAT6-PP--01	0 / 100 characters	Please select		0.00	
	Total					0.00	

7.2 Planned project budget per funding source & per partner

No. & role	Partner name	Partner status	Country	Funding source	Co-financing rate [in %]	Total [in EUR]	Programme co-financing [in EUR]	Own contribution [in EUR]	State aid instrument
1-LP	Riga Technical University	Active 22/09/2022	LV	ERDF	80.00 %	500,000.00	400,000.00	100,000.00	For each partner, the State aid relevance and applied aid measure are defined in the **State aid section**
2-PP	Lithuanian Energy Institute (LEI)	Active 22/09/2022	LT	ERDF	80.00 %	198,005.00	158,404.00	39,601.00	
3-PP	Sustainable Business Hub Scandinavia AB	Active 22/09/2022	SE	ERDF	80.00 %	244,054.60	195,243.68	48,810.92	
4-PP	Gulbene Municipality	Active 22/09/2022	LV	ERDF	80.00 %	56,160.00	44,928.00	11,232.00	
5-PP	Gulbenes Nami, Ltd	Active 22/09/2022	LV	ERDF	80.00 %	56,160.00	44,928.00	11,232.00	
6-PP	Institute of Fluid-Flow Machinery Polish Academy of Sciences	Active 22/09/2022	PL	ERDF	80.00 %	250,495.96	200,396.76	50,099.20	
7-PP	ZEBAU - Centre for Energy, Construction, Architecture and the Environment Ltd.	Active 22/09/2022	DE	ERDF	80.00 %	216,881.60	173,505.28	43,376.32	
8-PP	Thermopolis Ltd	Active 22/09/2022	FI	ERDF	80.00 %	200,000.00	160,000.00	40,000.00	
9-PP	Tukums Municipality	Active 22/09/2022	LV	ERDF	80.00 %	70,000.00	56,000.00	14,000.00	
10-PP	Mikołajki Pomorskie Commune	Active 22/09/2022	PL	ERDF	80.00 %	52,532.82	42,026.25	10,506.57	
11-PP	Tomelilla municipality	Active 22/09/2022	SE	ERDF	80.00 %	102,224.92	81,779.93	20,444.99	
12-PP	Wejherowo Municipality	Active 22/09/2022	PL	ERDF	80.00 %	51,673.02	41,338.41	10,334.61	
Total ERDF						1,998,187.92	1,598,550.31	399,637.61	
Total						1,998,187.92	1,598,550.31	399,637.61	

7.3 Spending plan per reporting period

	EU partners (ERDF)		Total	
	Total	Programme co-financing	Total	Programme co-financing
Period 1	306,775.83	245,420.67	306,775.83	245,420.67
Period 2	348,498.32	278,798.65	348,498.32	278,798.65
Period 3	348,498.32	278,798.65	348,498.32	278,798.65
Period 4	344,698.32	275,758.65	344,698.32	275,758.65
Period 5	329,198.32	263,358.65	329,198.32	263,358.65
Period 6	320,518.81	256,415.04	320,518.81	256,415.04
Total	1,998,187.92	1,598,550.31	1,998,187.92	1,598,550.31