1. Identification

Call	Date of submission
C1	26/04/2022

1.1. Full name of the project

Accelerated renewable, self-reliant and cost-beneficial reversal to decarbonised local heating

94 / 250 characters

1.2. Short name of the project

RE3Heat

7 / 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

The target of the RE3Heat project is to tackle the challenge of how to accelerate the green transition in BSR with sustainable, renewable, self-reliant and cost-effective heating. The target groups are citizens, SME's (companies owning real estates or utilizable energy), municipalities and utility companies. At the top level, the above challenge applies to all target groups, but the details and required support varies.
Our international project partner team with 7 partner organizations from 5 BSR-countries has gathered three pilot types for the project: from the already implemented A-pilots (>20 pilots), we will gather important learning in terms of technical solutions, co-operation models and financial motivation of green heating solutions. In B-pilots, which are the main focus of the project, we solve 4 challenging pilots in need of a renewable, cost-effective heating solution.To ensure that development is not limited to these B-pilots, we will collect 15-25 C-pilot locations from partner countries, for which we will recommend solutions in the project. Throughout the project, we utilize our extensive international stakeholder group, which consists of approximately 100 different organizations. With them, we share learnings within cross-border and cross sector target groups at the same time. In addition, comprehensive dissemination work will be done throughout the project (website, catalogs, an online short video course, etc.) which are available also after the project ends.

1,500 / 1,500 characters

1.8. Summary of the partnership

We have created a multidisciplinary cross-border partnership for the excellent cooperation, skills transfer and execution of the planned pilots to gain a strong impact. With the proposed partnership we can learn and utilize the successful practices to create new advanced solutions which will fit the specific needs and requirements of our partner areas and target groups. The seven partners represent five different BSR-countries, yielding a comprehensive scope of challenges. We will learn from solutions in different countries.

The partners of the proposal represent a diverse and complementary set of competences and organization types - higher education and research (HAMK-FIN, LEI-LT, Linnaeus-SE), municipality (Middelfart-DK), business support organization (GNF-FIN), education/training centre/school (SYKLI-FIN), energy agency (TREA-EST). The roles and expertise of each partner are described in the project application.This group of partners is supported by an extensive network of Associate Organizations (AO:s). At this stage, we have a total of 19 Associate Organizations in our project, representing all target groups of the project as well as a wide variety of partner countries.

In addition to partners and associates, the project is working on the meta-RENCOP model (derived from the Interreg-funded Co2mmunity project), in which we utilize our existing partner networks and invite new organizations to become active members of the national and international stakeholder group. With the meta-RENCOP process it is ensured that all target groups with their special challenges and needs are heard and that the project will collaborate even wider than the project partnership and focus to solve current problems.

All partners have solid relevant experience in EU-financed projects. All partners have a clear role and responsibility in the project. In order to learn as much as possible from other partner countries internationally, the partners participate in the activities of others based on their specific expertise. Selected AO:s are co-operating closely with the project pilots, such as providing platforms for the development. The collaboration between the partners and the AO:s is close throughout the project. We hold regular meetings in the partner countries and, more frequently and focused, online meetings.

2,336 / 3,000 characters

1.11. Project Budget Summary

Financial resources [in EUR]		Preparation costs	Planned project budget
ERDF	ERDF co-financing	0.00	2,243,792.00
	Own contribution ERDF	0.00	560,948.00
	ERDF budget	0.00	2,804,740.00
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	2,243,792.00
	Total own contribution	0.00	560,948.00
	Total budget	0.00	2,804,740.00

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	Häme University of Applied Sciences (HAMK)	Hämeen ammattikorkeakoulu (HAMK)	FI	Higher education and research institution	a)	666,241.60 €	Active	22/09/2022
2	PP	Green Net Finland	Green Net Finland ry	FI	Business support organisation	b)	297,712.50 €	Active	22/09/2022
3	PP	Sykli Environmental School of Finland	Suomen Ympäristöopisto SYKLI	FI	Education/training centre and school	b)	260,000.00 €	Active	22/09/2022
4	PP	Tartu Regional Energy Agency	Tartu Regiooni Energiaagentuur MTÜ	EE	Sectoral agency	a)	365,813.90 €	Active	22/09/2022
5	PP	Lithuanian Energy Institute	Lietuvos energetikos institutas	LT	Higher education and research institution	a)	260,972.00 €	Active	22/09/2022
6	PP	Linnaeus University	Linneuniversitetet	SE	Higher education and research institution	a)	330,000.00 €	Active	22/09/2022
7	PP	Municipality of Middelfart	Middelfart Kommune	DK	Local public authority	a)	624,000.00 €	Active	22/09/2022

2.1.2 Associated Organisations

No.	Organisation (English)	Organisation (Original)	Country	Type of Partner
AO 1	Lithuanian Association of Municipalities	Lietuvos savivaldybių asociacija	LT	NGO
AO 2	City of Hämeenlinna	Hämeenlinnan kaupunki	FI	Local public authority
AO 3	Helsinki-Uusimaa regional Council	Uudenmaan liitto	FI	Regional public authority
AO 4	Loimua Oy	Loimua Oy	FI	Infrastructure and public service provider
AO 5	Citizens of village Fjelsted-Harndrup	Citizens of village Fjelsted-Harndrup	DK	Interest group
AO 6	Municipality of Kolding	Kolding	DK	Local public authority
AO 7	Municipality of Vejle	Vejle Kommune	DK	Local public authority
AO 8	Termonet	Foreningen Termonet Danmark	DK	Business support organisation
AO 9	TREFOR	TREFOR	DK	NGO
AO 10	Center Denmark	Center Denmark	DK	Higher education and research institution
AO 11	Växjö Energi	Växjö Energy AB	SE	Infrastructure and public service provider
AO 12	Municipality of Fredericia	Fredericia Kommune	DK	Local public authority
AO 13	KL - Local Government Denmark	Kommunernes Landsforening	DK	Interest group
AO 14	Lithuanian Housing Chamber	Lietuvos Būsto rūmai	LT	Interest group
AO 15	The Lithuanian District Heating Association (LDHA)	Lietuvos šilumos tiekėjų asociacija (LŠTA)	LT	NGO
AO 16	Ministry of Energy of the Republic of Lithuania	Lietuvos Respublikos Energetikos ministerija	LT	National public authority
AO 17	Finnish Heat Pump Association SULPU ry	Suomen Lämpöpumppuyhdistys SULPU ry	FI	Business support organisation
AO 18	SW Energia Ltd	SW Energia OÜ	EE	Sectoral agency
AO 19	Tallinn City Government	Tallinna Linnavalitsus	EE	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	Hämeen ammattikorkeakoulu (HAMK) (32 / 250 characters)
Organisation in English	Häme University of Applied Sciences (HAMK) (42 / 250 characters)
Department in original language	HAMK Tech (9 / 250 characters)
Department in English	HAMK Tech (9 / 250 characters)

Partner location and website:

Address	Vankanlähde 9 (14 / 250 characters)	**Country**	Finland
Postal Code	13100 (6 / 250 characters)	**NUTS1 code**	Manner-Suomi
Town	Hämeenlinna (11 / 250 characters)	**NUTS2 code**	Etelä-Suomi
Website	www.hamk.fi (11 / 100 characters)	**NUTS3 code**	Kanta-Häme

Partner ID:

Organisation ID type	Business Identity Code (Y-tunnus)
Organisation ID	2617489-3
VAT Number Format	FI + 8 digits
VAT Number	N/A ☐ FI26174893 (10 / 50 characters)
PIC	949666473 (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)	85.42 - Tertiary education	

Partner financial data:

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

Financial data	**Reference period**	01/01/2021	–	31/12/2021
	Staff headcount [in annual work units (AWU)]			617.8
	Employees [in AWU]			617.8
	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]			58,160,645.87
	Annual balance sheet total [in EUR]			107,431,245.13
	Operating profit [in EUR]			1,269,039.91

Role of the partner organisation in this project:

HAMK Häme University of Applied Sciences (Hämeenlinna), is a multidisciplinary, workplace-orientated higher education institution.
In RE3 Heat project, HAMK is the Lead Partner taking the responsibility of the whole project. Beside this, HAMK will lead Action A1.2 in WP1, A2.1 in WP2 as well as actively participate several other Actions in WP1, WP2 and WP3. HAMK's budget (salaries) in RE3 Heat is larger compared to other partners due to the workload of management of the project (Lead partner) as well as the lead role in A1.2 (B-pilot, FIN).

547 / 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	Green Net Finland ry (20 / 250 characters)
Organisation in English	Green Net Finland (18 / 250 characters)
Department in original language	Green Net Finland ry (20 / 250 characters)
Department in English	Green Net Finland (17 / 250 characters)

Partner location and website:

Address	Kuortaneenkatu 2 (16 / 250 characters)	**Country**	Finland

Postal Code	00510 5 / 250 characters	**NUTS1 code**	Manner-Suomi
Town	Helsinki 8 / 250 characters	**NUTS2 code**	Helsinki-Uusimaa
Website	https://gnf.fi/en/ 18 / 100 characters	**NUTS3 code**	Helsinki-Uusimaa

Partner ID:

Organisation ID type	Business Identity Code (Y-tunnus)
Organisation ID	1727756-7
VAT Number Format	FI + 8 digits
VAT Number	**N/A** ☐ FI17277567 10 / 50 characters
PIC	997674004 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)	74.90 - Other professional, scientific and technical activities n.e.c.	

Partner financial data:

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

Financial data	**Reference period**	01/01/2020 –	31/12/2020
	Staff headcount [in annual work units (AWU)]		4.0
	Employees [in AWU]		4.0
	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]		278,836.00
	Annual balance sheet total [in EUR]		162,903.00
	Operating profit [in EUR]		18,845.00

Role of the partner organisation in this project:

Green Net Finland (GNF) is responsible for transnational Meta-RENCOP facilitation and results dissemination (A3.2). In addition, GNF is the leader of the WP1, Preparing solutions. GNF also will facilitate the meta-RENCOP activities in Finland and co-evaluation and co-adjustment of solutions by meta-RENCOP (A2.5). It will lead the work of D2.5, and O3.2. Green Net Finland is a cleantech network and a professional project organization with office in Helsinki. Members include municipalities, research institutions, universities and companies in Finland.

555 / 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 3

LP/PP Project Partner

Partner Status Active

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

Partner name:

Organisation in original language Suomen Ympäristöopisto SYKLI
28 / 250 characters

Organisation in English Sykli Environmental School of Finland
37 / 250 characters

Department in original language Sykli
5 / 250 characters

Department in English Sykli
5 / 250 characters

Partner location and website:

Address Kaartokatu 2
12 / 250 characters

Postal Code 11100
5 / 250 characters

Town Riihimäki
9 / 250 characters

Website https://sykli.fi/sykli-creating-environmental-experts/
54 / 100 characters

Country Finland

NUTS1 code Manner-Suomi

NUTS2 code Etelä-Suomi

NUTS3 code Kanta-Häme

Partner ID:

Organisation ID type Business Identity Code (Y-tunnus)

Organisation ID 0681365-1

VAT Number Format FI + 8 digits

VAT Number N/A ☐ FI06813651
10 / 50 characters

PIC 930883587
9 / 9 characters

Partner type:

Legal status b) Private

Type of partner Education/training centre and school — Primary, secondary, pre-school, vocational training, etc.

Sector (NACE) 85.41 - Post-secondary non-tertiary education

Partner financial data:

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

Financial data	**Reference period**	01/01/2020	–	31/12/2020
	Staff headcount [in annual work units (AWU)]			45.0
	Employees [in AWU]			0.0
	Persons working for the organisation being subordinated to it and considered to be employees under national law [in AWU]			45.0
	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]			3,400,000.00
	Annual balance sheet total [in EUR]			0.00
	Operating profit [in EUR]			126,000.00

Role of the partner organisation in this project:

Sykli is in particular involved in the development and piloting of the evaluation of the green investment and its effect on the real estate valuation. It is responsible for developing the online materials and course (A3.1). and A3.4, finding suitable locations for C-pilots, which is a transnational activity. SYKLI Environmental School of Finland is a national specialist vocational college, which also conducts research and development work.

444 / 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	Tartu Regiooni Energiaagentuur MTÜ (34 / 250 characters)
Organisation in English	Tartu Regional Energy Agency (29 / 250 characters)
Department in original language	TREA (4 / 250 characters)
Department in English	TREA (4 / 250 characters)

Partner location and website:

Address	Narva mnt 3 (11 / 250 characters)	**Country**	Estonia
Postal Code	51009 (5 / 250 characters)	**NUTS1 code**	Eesti
Town	Tartu (5 / 250 characters)	**NUTS2 code**	Eesti
Website	www.trea.ee (11 / 100 characters)	**NUTS3 code**	Lõuna-Eesti

Partner ID:

Organisation ID type	Registration code (Registrikood)
Organisation ID	80292666
VAT Number Format	EE + 9 digits
VAT Number	N/A ☐ EE101576572 (11 / 50 characters)
PIC	965054262 (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)	74.90 - Other professional, scientific and technical activities n.e.c.	

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:

Tartu Regional Energy Agency TREA is responsible for A2.4 pilot implementation (EST), also A3.5 authorities and municipalities role part. TREA participates in all WP 1 activities, A2.1 FIN pilot activities and in all WP3 activities. It will facilitate the meta-RENCOP stakeholder group in EST. TREA (Tartu) has long-term experience in participating in EU projects, close cooperation with local governments and state agencies in Estonia.

437 / 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 5

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

Partner name:

Organisation in original language	Lietuvos energetikos institutas (31 / 250 characters)
Organisation in English	Lithuanian Energy Institute (27 / 250 characters)
Department in original language	Plazminių technologijų laboratorija (35 / 250 characters)

Department in English	Plasma Processing Laboratory (28 / 250 characters)

Partner location and website:

Address	Breslaujos g. 3 (15 / 250 characters)	**Country**	Lithuania
Postal Code	44403 (5 / 250 characters)	**NUTS1 code**	Lietuva
Town	Kaunas (6 / 250 characters)	**NUTS2 code**	Vidurio ir vakarų Lietuvos regionas
Website	https://www.lei.lt/ (19 / 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:

LEI is in charge of the work package WP3. It is also in charge of A3.3 (Events) and A3.5, leading to D3.3 and O3.5.

LEI will perform following activities:
For the pilot development it will provide the analysis of RE heating systems and efficiency;
Analysis of novel approaches of the research on influence of external factors on the local heat supply system development;
It has expertise in the development of novel technologies of highly effective heating processes and technologies.

LEI will perform:
Presentation and publication of project results, drawing conclusions and recommendations;
Research and application of novel CO2 reduction technologies in local heating systems.
Calculation and projecting of heats utilizing sources to local heating system with employment of heat pump.

Participating in WP3 LEI is going to inform or involve of associated organisations and policy makers, particularly in LT;
+subsidy policy; organising LT Meta-RENCOP meetings, final event.

980 / 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 6

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

Partner name:

Organisation in original language	Linneuniversitetet (18 / 250 characters)
Organisation in English	Linnaeus University (19 / 250 characters)
Department in original language	Institutionen för byggd miljö och energiteknik (46 / 250 characters)
Department in English	Department of Built Environment and Energy Technology (53 / 250 characters)

Partner location and website:

Address	Universitetsplatsen 1 (21 / 250 characters)	**Country**	Sweden
Postal Code	352 52 (6 / 250 characters)	**NUTS1 code**	Södra Sverige
Town	Växjö (5 / 250 characters)	**NUTS2 code**	Småland med öarna
Website	https://lnu.se/en/ (18 / 100 characters)	**NUTS3 code**	Kronobergs län

Partner ID:

Organisation ID type	Organisation number (Organisationsnummer)
Organisation ID	202100-6271
VAT Number Format	SE + 12 digits
VAT Number	N/A ☑ (0 / 50 characters)
PIC	(0 / 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) 85.42 - Tertiary education

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:

Linnaeus University is in charge of the Swedish B-Pilot A2.2 and A1.1 (Learnings from A-Pilots). In addition to the SE pilot, It will collaborate in several other pilots and activities especially in the technical and scientific aspect. Linnaeus University (Växjö/Kalmar) has special expertise in district heat planning and optimization. They will bring knowhow on the energy system simulations and participate in all WPs as well as pilots.

439 / 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 Middelfart Kommune

18 / 250 characters

Organisation in English Municipality of Middelfart

26 / 250 characters

Department in original language Tværgående klima

16 / 250 characters

Department in English Cross-sector Climate

20 / 250 characters

Partner location and website:

Address Nytorv 9

8 / 250 characters

Postal Code 5500

4 / 250 characters

Town Middelfart

10 / 250 characters

Website https://middelfart.dk/

22 / 100 characters

Country Denmark

NUTS1 code Danmark

NUTS2 code Syddanmark

NUTS3 code Fyn

Partner ID:

Organisation ID type	Civil registration number (CPR)
Organisation ID	29189684
VAT Number Format	DK + 8 digits
VAT Number	**N/A** ☐ DK29 18 96 84 (13 / 50 characters)
PIC	938515062 (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:

Middelfart is Participating in all Workpackages. It is leading and implementing the major pilot A2.2 and disseminating and sharing knowledge. It is in charge of the A1.3 (Consolidation of the target groups/stakeholders).
Middelfart municipality is among the most advanced municipalities in DK in promoting and co-creating small and moderate scale renewable energy communities. They bring to consortium special skills on how to create and facilitate parties to join in a mutual energy system.

492 / 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: Lietuvos savivaldybių asociacija
32 / 250 characters

Organisation in English: Lithuanian Association of Municipalities
40 / 250 characters

Department in original language: Patarėja Aplinkos ir energetikos klausimais
43 / 250 characters

Department in English: Energy and environment
22 / 250 characters

Legal status: a) Public

Type of associated organisation: NGO — Non-governmental organisations, such as Greenpeace, WWF, etc.

Associated organisation location and website:

Address: T. Vrublevskio g. 6
19 / 250 characters

Country: Lithuania

Postal Code: LT-01143
9 / 250 characters

Town: Vilnius
7 / 250 characters

Website: https://www.lsa.lt/
20 / 100 characters

Role of the associated organisation in this project:

The organisation is an important stakeholder representative in LT. AO is a Possible expert, consultants and advisers in the Project Re3 Heat.
AO will help in communication with certain target groups, promotion of Project ideas and outputs, dissemination of information.
270 / 1,000 characters

2.3 Associated Organisation Details - AO 2

Associated organisation name and type:

Organisation in original language: Hämeenlinnan kaupunki (21 / 250 characters)

Organisation in English: City of Hämeenlinna (19 / 250 characters)

Department in original language: Kaupunkirakenne (15 / 250 characters)

Department in English: Infrastructure and planning (27 / 250 characters)

Legal status: a) Public

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

Associated organisation location and website:

Address: Wetterhoffinkatu 2 (18 / 250 characters)

Country: Finland

Postal Code: 13100 (5 / 250 characters)

Town: Hämeenlinna (11 / 250 characters)

Website: https://www.hameenlinna.fi/en/ (30 / 100 characters)

Role of the associated organisation in this project:

The city will be a stakeholder in the planned FIN B pilot. As a target group their needs and opinions will be important inputs for our project.

144 / 1,000 characters

2.3 Associated Organisation Details - AO 3

Associated organisation name and type:

Organisation in original language: Uudenmaan liitto
16 / 250 characters

Organisation in English: Helsinki-Uusimaa regional Council
33 / 250 characters

Department in original language: toimisto
8 / 250 characters

Department in English: main
4 / 250 characters

Legal status: a) Public

Type of associated organisation: Regional public authority — Regional council, etc.

Associated organisation location and website:

Address: Esterinportti 2 B
17 / 250 characters

Country: Finland

Postal Code: 00240
5 / 250 characters

Town: Helsinki
8 / 250 characters

Website: https://www.uudenmaanliitto.fi/en
33 / 100 characters

Role of the associated organisation in this project:

The council represents many Finnish municipalities and is a joint regional authority representing an area of 1.7 million inhabitants in FIN. It will participate to our META-RENCOP stakeholder group. The council has a strategic agenda to reach climate neutral Helsinki-Uusimaa 2030, for which our project is contributing to.
324 / 1,000 characters

2.3 Associated Organisation Details - AO 4

Associated organisation name and type:

Organisation in original language: Loimua Oy (9 / 250 characters)

Organisation in English: Loimua Oy (9 / 250 characters)

Department in original language: Loimua Oy (9 / 250 characters)

Department in English: Loimua Oy (9 / 250 characters)

Legal status: b) Private

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

Associated organisation location and website:

Address: Vankanlähde 7 (13 / 250 characters)

Country: Finland

Postal Code: 13100 (6 / 250 characters)

Town: Hämeenlinna (11 / 250 characters)

Website: https://www.loimua.fi/ (22 / 100 characters)

Role of the associated organisation in this project:

Loimua is a local district heating company and natural gas provider in city of Hämeenlinna Finland. They will provide background information and data for the Finnish pilot B. It is interested in the results of the pilot as well.

229 / 1,000 characters

2.3 Associated Organisation Details - AO 5

Associated organisation name and type:

Organisation in original language
Citizens of village Fjelsted-Harndrup
37 / 250 characters

Organisation in English
Citizens of village Fjelsted-Harndrup
37 / 250 characters

Department in original language
Fjelsted-Harndrup
17 / 250 characters

Department in English
Fjelsted-Harndrup
17 / 250 characters

Legal status
a) Public

Type of associated organisation
Interest group
Trade union, foundation, charity, voluntary association, club, etc. other than NGOs

Associated organisation location and website:

Address
Citizen Elisabeth Tejlmans
26 / 250 characters

Country
Denmark

Postal Code
5463
4 / 250 characters

Town
Fjelsted-Harndrup
17 / 250 characters

Website
https://fjelsted-harndrup.dk/
30 / 100 characters

Role of the associated organisation in this project:

Basically the people whom it is about. Citizens wishing to scrap gas and oil boilers. They have no experience but wish help to become an Renewable Energy Cooperation. At the moment 120 people have signed up. These citizen's spokesperson is Elisabeth Tejlmans. They live in the rural area. Project will collaborate with these persons with the DK pilot B.
356 / 1,000 characters

2.3 Associated Organisation Details - AO 6

Associated organisation name and type:

Organisation in original language
Kolding
8 / 250 characters

Organisation in English
Municipality of Kolding
23 / 250 characters

Department in original language
Kolding Kommune
15 / 250 characters

Department in English
Kolding
8 / 250 characters

Legal status
a) Public

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

Associated organisation location and website:

Address
Energy planner Vickie M. Scmidt,
Akseltorv 1
44 / 250 characters

Country
Denmark

Postal Code
6000
4 / 250 characters

Town
Kolding
7 / 250 characters

Website
www.kolding.dk
14 / 100 characters

Role of the associated organisation in this project:

Neighbor municipality that will follow, support and co-learn.
61 / 1,000 characters

2.3 Associated Organisation Details - AO 7

Associated organisation name and type:

Organisation in original language
Vejle Kommune
13 / 250 characters

Organisation in English
Municipality of Vejle
21 / 250 characters

Department in original language
spatial and urban planning
26 / 250 characters

Department in English
spatial and urban planning
26 / 250 characters

Legal status
a) Public

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

Associated organisation location and website:

Address
Skolegade 1
11 / 250 characters

Country
Denmark

Postal Code
7100
4 / 250 characters

Town
Vejle
5 / 250 characters

Website
www.vejle.dk
12 / 100 characters

Role of the associated organisation in this project:

Neighbor municipality that will follow, support and co-learn.
61 / 1,000 characters

2.3 Associated Organisation Details - AO 8

Associated organisation name and type:

Organisation in original language
Foreningen Termonet Danmark
27 / 250 characters

Organisation in English
Termonet
8 / 250 characters

Department in original language
Termonet
8 / 250 characters

Department in English
Termonet
8 / 250 characters

Legal status
a) Public

Type of associated organisation
Business support organisation

Chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc.

Associated organisation location and website:

Address
c/o Søren Skjold Andersen, GeoDrilling
Engsøparken 231,
55 / 250 characters

Country
Denmark

Postal Code
7200
5 / 250 characters

Town
Grindsted
9 / 250 characters

Website
www.termonet.dk
15 / 100 characters

Role of the associated organisation in this project:

A nonprofit association working with and promoting clean green energy solution Thermonet (5 gen. district heat). The association is a fast growing network of Danish experts in 5. generation district heat AKA Thermonet. All stakeholder groups are represented in the organisation.
278 / 1,000 characters

2.3 Associated Organisation Details - AO 9

Associated organisation name and type:

Organisation in original language: TREFOR (6 / 250 characters)

Organisation in English: TREFOR (6 / 250 characters)

Department in original language: TREFOR (6 / 250 characters)

Department in English: TREFOR (6 / 250 characters)

Legal status: b) Private

Type of associated organisation: NGO — Non-governmental organisations, such as Greenpeace, WWF, etc.

Associated organisation location and website:

Address: Kokbjerg 30 (11 / 250 characters)

Country: Denmark

Postal Code: 6000 (4 / 250 characters)

Town: Kolding (7 / 250 characters)

Website: www.trefor.dk (13 / 100 characters)

Role of the associated organisation in this project:

Multiple energy provider, non profit. Role: Onboarding and developing findings for a tool in general, able to showcase findings for the approx. 450 danish district heat company's and possible managers for the system

216 / 1,000 characters

2.3 Associated Organisation Details - AO 10

Associated organisation name and type:

Organisation in original language
Center Denmark
14 / 250 characters

Organisation in English
Center Denmark
14 / 250 characters

Department in original language
Center Denmark
14 / 250 characters

Department in English
Center Denmark
14 / 250 characters

Legal status
a) Public

Type of associated organisation
Higher education and research instituti
University faculty, college, research institution, RTD facility, research cluster, etc.

Associated organisation location and website:

Address
Vendersgade 74
14 / 250 characters

Country
Denmark

Postal Code
DK-7000
7 / 250 characters

Town
Fredericia
10 / 250 characters

Website
https://www.centerdenmark.com/
30 / 100 characters

Role of the associated organisation in this project:

Center Danmark -is a national center to gather and analyse energy data, with partners from all 4 danish universities. Role: Support RE3Heat in gathering and understanding data
175 / 1,000 characters

2.3 Associated Organisation Details - AO 11

Associated organisation name and type:

Organisation in original language
Växjö Energy AB
15 / 250 characters

Organisation in English
Växjö Energi
12 / 250 characters

Department in original language
Växjö Energi
12 / 250 characters

Department in English
Växjö Energi
12 / 250 characters

Legal status
a) Public

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

Associated organisation location and website:

Address
Kvarnvägen 35
13 / 250 characters

Country
Sweden

Postal Code
351 06
6 / 250 characters

Town
Växjö
5 / 250 characters

Website
https://www.veab.se
19 / 100 characters

Role of the associated organisation in this project:

Växjö Energi will provide background information and data for the Swedish pilot B. It is interested in the results of the pilot as well.
137 / 1,000 characters

2.3 Associated Organisation Details - AO 12

Associated organisation name and type:

Organisation in original language: Fredericia Kommune (18 / 250 characters)

Organisation in English: Municipality of Fredericia (26 / 250 characters)

Department in original language: Climate (7 / 250 characters)

Department in English: Climate (7 / 250 characters)

Legal status: a) Public

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

Associated organisation location and website:

Address: Gothersgade 20 (14 / 250 characters)

Country: Denmark

Postal Code: 7000 (4 / 250 characters)

Town: Fredericia (10 / 250 characters)

Website: www.fredericia.dk (17 / 100 characters)

Role of the associated organisation in this project:

Role: Neighbor municipality that will follow, support and co-learn. (67 / 1,000 characters)

2.3 Associated Organisation Details - AO 13

Associated organisation name and type:

Organisation in original language: Kommunernes Landsforening (25 / 250 characters)

Organisation in English: KL - Local Government Denmark (29 / 250 characters)

Department in original language: Energy (6 / 250 characters)

Department in English: Energy (6 / 250 characters)

Legal status: a) Public

Type of associated organisation: Interest group — Trade union, foundation, charity, voluntary association, club, etc. other than NGOs

Associated organisation location and website:

Address: Weidekampsgade 10, P.O.Box 3370 (31 / 250 characters)

Country: Denmark

Postal Code: 2300 (4 / 250 characters)

Town: København S (11 / 250 characters)

Website: www.kl.dk (10 / 100 characters)

Role of the associated organisation in this project:

Role: National assembly of all 98 Danish municipalitys. Follow, support and co-learn - and most of all, policy development. (123 / 1,000 characters)

2.3 Associated Organisation Details - AO 14

Associated organisation name and type:

Organisation in original language
Lietuvos Būsto rūmai
20 / 250 characters

Organisation in English
Lithuanian Housing Chamber
27 / 250 characters

Department in original language
Main
4 / 250 characters

Department in English
Housing management and maintenance
34 / 250 characters

Legal status
a) Public

Type of associated organisation
Interest group
Trade union, foundation, charity, voluntary association, club, etc. other than NGOs

Associated organisation location and website:

Address
Lukiškių g. 5-401
17 / 250 characters

Country
Lithuania

Postal Code
LT-01108
8 / 250 characters

Town
Vilnius
7 / 250 characters

Website
https://bustorumai.lt/
22 / 100 characters

Role of the associated organisation in this project:

The chamber represents home owners nationally. AO is a Possible expert, consultants and advisers in the Project Re3 Heat.
AO will help in communication with certain target groups, promotion of Project ideas and outputs, dissemination of information.
250 / 1,000 characters

2.3 Associated Organisation Details - AO 15

Associated organisation name and type:

Organisation in original language: Lietuvos šilumos tiekėjų asociacija (LŠTA)
42 / 250 characters

Organisation in English: The Lithuanian District Heating Association (LDHA)
50 / 250 characters

Department in original language: LŠTA
4 / 250 characters

Department in English: LDHA
4 / 250 characters

Legal status: a) Public

Type of associated organisation: NGO — Non-governmental organisations, such as Greenpeace, WWF, etc.

Associated organisation location and website:

Address: V. Gerulaičio g. 10
19 / 250 characters

Country: Lithuania

Postal Code: LT-08200
8 / 250 characters

Town: Vilnius
8 / 250 characters

Website: https://lsta.lt/
17 / 100 characters

Role of the associated organisation in this project:

LDHA represents the interests and rights of the Lithuanian District Heat utilities, organisations and others associated energy structures in the DH sector.
Possible experts, consultants and advisers in the Project Re3 Heat.
AO will help in communication with certain target groups, promotion of Project ideas and outputs, dissemination of information.

352 / 1,000 characters

2.3 Associated Organisation Details - AO 16

Associated organisation name and type:

Organisation in original language: Lietuvos Respublikos Energetikos ministerija
44 / 250 characters

Organisation in English: Ministry of Energy of the Republic of Lithuania
47 / 250 characters

Department in original language: Climate management group
24 / 250 characters

Department in English: Climate management group
24 / 250 characters

Legal status: a) Public

Type of associated organisation: National public authority — Ministry, etc.

Associated organisation location and website:

Address: Gedimino av. 38
15 / 250 characters

Country: Lithuania

Postal Code: LT-01104
8 / 250 characters

Town: Vilnius
7 / 250 characters

Website: https://enmin.lrv.lt/
21 / 100 characters

Role of the associated organisation in this project:

The AO will be invited to the LT stakeholder group. It has an important role in the BSR Action plan in terms of energy. We have existing contacts based on the previous Co2mmunity project with the AO.
200 / 1,000 characters

2.3 Associated Organisation Details - AO 17

Associated organisation name and type:

Organisation in original language	Suomen Lämpöpumppuyhdistys SULPU ry (35 / 250 characters)
Organisation in English	Finnish Heat Pump Association SULPU ry (38 / 250 characters)
Department in original language	SULPU (5 / 250 characters)
Department in English	SULPU (5 / 250 characters)
Legal status	b) Private
Type of associated organisation	Business support organisation — Chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc.

Associated organisation location and website:

Address	Laivurinkatu 13 as 3 (20 / 250 characters)	**Country**	Finland
Postal Code	FI-06100 (9 / 250 characters)		
Town	Porvoo (6 / 250 characters)		
Website	www.sulpu.fi (12 / 100 characters)		

Role of the associated organisation in this project:

The AO has agreed to collaborate with the RE3Heat project and it will join the stakeholder group in FIN. It is a nationally influential player in the heat pump sector.

168 / 1,000 characters

2.3 Associated Organisation Details - AO 18

Associated organisation name and type:

Organisation in original language	SW Energia OÜ (13 / 250 characters)
Organisation in English	SW Energia Ltd (14 / 250 characters)
Department in original language	SW Energia (10 / 250 characters)
Department in English	SW Energia (10 / 250 characters)
Legal status	b) Private
Type of associated organisation	Sectoral agency — Local or regional development agency, environmental agency, energy agency, employment agency, etc.

Associated organisation location and website:

Address	Tehnika 1 (9 / 250 characters)	**Country**	Estonia
Postal Code	86602 (5 / 250 characters)		
Town	Paikuse (7 / 250 characters)		
Website	www.swenergia.ee (16 / 100 characters)		

Role of the associated organisation in this project:

SW Energia Ltd is a DH company in the "Kopli Liinid" (our pilot area, B4) district heating area, which produses, distributes and sells heat to consumers. From him we get the necessary data on the heat production, pipelines for DH grid, boilerhoue and the heat sold to the consumers. These are necessary for the transfer of existing district heating network to low-temperature district heating network, which will be run on the heat of sea water using heat pumps technology, and for the planning of the heat supply network for the II and III building construction stages. The associated partenr participates in GOA2 and GOA3.

625 / 1,000 characters

2.3 Associated Organisation Details - AO 19

Associated organisation name and type:

Organisation in original language	Tallinna Linnavalitsus (22 / 250 characters)
Organisation in English	Tallinn City Government (23 / 250 characters)
Department in original language	Tallinna Strateegiakeskus, Arengu ja väliskoostöö osakond, Rohepöörde Kompetentsikeskus (87 / 250 characters)
Department in English	Tallinn Strategy Center, Department of development and external cooperation, Green Transition Competence Centre (111 / 250 characters)
Legal status	a) Public
Type of associated organisation	Local public authority — Municipality, city, etc.

Associated organisation location and website:

Address	Kaarli pst 1 (12 / 250 characters)	**Country**	Estonia
Postal Code	10119 (5 / 250 characters)		
Town	Tallinn (7 / 250 characters)		
Website	http://www.tallinn.ee/Tallinna-Strateegiakeskus (47 / 100 characters)		

Role of the associated organisation in this project:

Estonian pilot will be implemented in Tallinn, The task of the Green Transition Competence Center in the city of Tallinn is to promote the green transition in the city, and innovative developments in the energy economy are one of the important pillars. Representatives of the city of Tallinn are involved in the stakeholder group, which will be created to advise and monitor the developments of the pilot project and to compile lessons and recommendations for further C-pilots.

477 / 1,000 characters

3. Relevance

3.1 Context and challenge

Need for sustainable, renewable, self-reliant and cost-effective heating for citizens, companies and municipalities is more important to achieve than ever before. All the countries in Baltic Sea Region have set targets to be carbon free in near decades – detailed target year depends on the country. Europe's decision to break away from Russia's fossil energy dependency (REPowerEU) accelerates the green transition and it seems that a rapid change – revolution – in energy systems must take place much earlier than planned to achieve security of supply for the energy system.
At the EU level, approximately 75% of the fuel used for heating and cooling derives from fossil sources, and almost half of the buildings still have individual low-efficiency boilers for heating with efficiency lower than 60%. District heating systems, in sustainable cases of production, are suitable for larger cities. At the edges of the district heating networks, as well as in smaller municipalities without district heating systems, the heating systems of individual buildings face various challenges.
The solutions for this are local heating solutions, which utilize heat pumps with locally available energy sources (ground source or geothermal) as well as waste heat from available sources. Heat pump solutions make it possible to act actively in the demand side management for both heat and electricity markets, thus improving both the energy efficiency and economic profitability of the heating system.
A particular challenge to be tackled in RE3Heat project is to accelerate the transition to green technology, especially for heating in the BSR area. We will learn from existing projects that utilize local heat sources using heat pump technology (community size, more than one heated building), share better understanding of the financial motivation for green investment, taking into account different target groups, and find out what role cities and municipalities play in accelerating green investment.

1,995 / 2,000 characters

3.2 Transnational value of the project

The challenge addressed is common to the whole BSR area: the need for a green and cost-effective transition in heating systems and the acceleration of these processes and investments. BSR countries are at different stages of achieving CO2 neutrality on schedule. We have created a multidisciplinary cross-border partnership, where there is an excellent opportunity for learning and skills transfer as well as executing the planned work to gain stronger impact and to pilot and utilize new approaches.
The partners of RE3Heat come from Finland, Sweden, Denmark, Estonia and Lithuania. The Partner countries represent the coldest climate in BSR, where heating systems are vital and heating costs account for a large portion of city dwellers 'spending.
Partner countries have advanced district heating systems, especially in large cities, but in part the district heating pricing cannot compete with heat pump systems. In Denmark in particular, heating energy communities that utilize diverse heat sources with heat pump technology have become more common. In Denmark, there are many lessons to be utilized in the formation of energy communities (social side) and in the business models of energy communities. Heat pump systems as local heating systems are also becoming more common in Sweden and Finland, but these systems are usually installed to individual buildings, so the advantage of economies of scale is not fully exploited. On the other hand, Sweden and Finland are pioneers in district heating, but the high temperatures of the district heating systems prevent the use of local waste heat and the integration of local energy communities into larger energy systems. A special challenge for the Baltic countries is the high price of energy and dependence on Russian natural gas. With the proposed partnership we can learn and utilize the successful practices to create new advanced solutions which will fit to the specific needs and requirements of our partner areas and target groups.

1,994 / 2,000 characters

3.3 Target groups

Target group	Sector and geographical coverage	Its role and needs
Interest group	Citizens (private owners of apartments and houses), housing associations in which natural persons are members, Real Estate Federation, etc. This target group is important in all partner countries of the project. They are very important in e.g. DK pilot B. 257 / 500 characters	Citizens play an important role in the implementation of the green transition, as they cover a large part of the investments to do so, either in buildings they own or in buildings owned by condominiums (e.g., housing companies). Heating costs account for a significant share of household spending in the northern BSR countries, thus citizens have a need to stabilize heating costs. In order to green cost-effective investments in heating systems to be implemented quickly, citizens need to see different technological solutions, get more information on financial motivation for green technologies (their role in property costs in addition to operating costs), get more information on co-operation models for energy communities and systems, and get investment support. In this project, the target group "citizens" will be represented also by housing associations (in which natural persons are members, e.g. FIN, LT), real estate federations, etc. or (e.g. in DK) citizens present themselves. 990 / 1,000 characters

Target group	Sector and geographical coverage	Its role and needs
Small and medium enterprise	Real estate companies and companies who own real estates. Industrial areas with SME companies, willingness and resources to obtain lower energy costs and green sustainable energy. These target groups appear in all partner countries, and are important e.g. in the FIN and EST pilot B. 284 / 500 characters	In this project, SMEs include real estate companies and other companies who own real estates as well as companies who have interest to lower energy costs. SMEs have an important role to play in making the green transition, as they make big green investments. In many case, heating and energy costs account for a significant share of operation costs. Lower energy costs motivate SMEs financially in many ways. In addition, it is possible for companies that invest in renewable energy systems to receive other benefits (including cheaper borrowing costs). SMEs have an important role to play in accelerating the green transition, as at best investment processes are short and can be modeled on by other target groups. These benefits of green investment need to be clarified for SMEs 781 / 1,000 characters
Infrastructure and public service provid	Utility company of heat provider (Energy company, owned by municipalities). These target groups appear in all partner countries, but especially in SE, FIN and EST. 164 / 500 characters	Utility companies of heat provider (Energy companies) are energy producers and providers to other target groups. Utility companies have the possibility to act as accelerators in green transition by offering technological solutions to their customers. In local heating solutions connected to larger energy systems such as district heating systems, energy companies can also add profitability of local heating solutions acting as a two-way system. Energy companies need more understanding of what their customers need and want and this is specified in this project. The cross-border challenges at the energy market are common (e.g. the Ukraine situation) but the phase of implementing energy transfer varies in the BSR countries. However, the path may be similar. 762 / 1,000 characters
Local public authority	Cities and municipalities, National assembly of municipalities, Municipalities in DK2020 climate planning. These target groups are very important in FIN, EST, LT and DK. 170 / 500 characters	Municipalities have multiple roles as a target group in tackling the challenge in this project. The challenge municipalities have are 1) many municipalities are driven by CO2-targets why green investments in heating are necessary, and 2) municipalities are owners of real estates and thus willingness to achieve renewable and cost-efficient heating systems to their buildings and an additional challenge for municipal-owned properties is long-standing investment decisions. In the end, municipalities can accelerate the green transition through, among other things, an agile zoning process, permitting processes, and as an advisory party. In this project, municipalities are represented as partners, associated partners and stakeholder group members. 751 / 1,000 characters

3.4 Project objective

Your project objective should contribute to:

Energy transition

In response to the urgent challenge for quickly implementing green cost-effective investments in heating systems for decarbonization and to replace fossils, citizens need to see feasible technological solutions to heat their homes, obtain more information on economic motivation for green technologies (their role in property costs in addition to operating costs), more information on business opportunities for energy communities and systems, and investment support. For these objectives the project will collect relevant concepts, develop and pilot energy solutions.
The main objective of the project is to co-develop and test renewable heating solutions for residential areas, which are sustainable, of which the costs and the effects on the property value to investors and users are acceptable and that are upscalable.
Municipalities, organisations representing house-owners, infra-profiders and SMEs are our selected target groups. We involve them in our stakeholder-groups/inquiries so that their different needs are taken into account in the B pilots. Feasible existing solutions (A pilots) are assessed and the target group experiences are collected for a resource and utilized. The co-developed heating solutions (B Pilots) will be tested by them so that we can refine the solutions and make them even better.
In a selected pilot B there will be practical RE-investments made. This activity will provide information on how the investments can be made more easily from the target groups perspective in the current situation and what are the critical elements and effects of them. The pilots C (future potential) will be identified, which will ensure for the target groups the opportunities for utilization of project results in the future.
We will include national key stakeholders to our META-Rencops for enhancing the dialogue, communication and inclusion, both the EUSBSR governance bodies and more widely the key stakeholders who commit to regulation and policy planning.

1,990 / 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 project develops new solutions for BSR Action plan's PA Energy, Action 1 and Action 4. E.g., one of the main pilots (B) of the RE3Heat project is focusing on marine renewable energy, which is specifically mentioned in the Action plan. We carry out activities to pilot energy communities EC, which is included in the EUSBSR.

328 / 1,500 characters

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

We also commit to PA Spatial planning Action 1. We are jointly working to find ways to enhance the territorial cohesion from this aspect. The aspect of energy self-sufficiency and reducing carbon/climate impact is developed by our project and needed for PA Secure Action 1.

274 / 1,500 characters

3.6 Other political and strategic background of the project

Strategic documents

The project is directly contributing to the Commission's strategic decision REPowerEU. During the preparation phase, we have observed that there is a drastic increase in the need of citizens to find alternative renewable energy solutions to replace fossil sources and e.g. gas imports from RU. There is obviously an urgent need to develop and pilot such solutions and we are directly implementing such scalable solutions in our projects B-pilots.

447 / 500 characters

The proposed project is contributing to the policy document EU Green Deal. The developed pilots will contribute to main goal of reducing the carbon emissions (carbon neutral EU 2050).

184 / 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
Co-producing and co-financing renewable community energy projects 65 / 200 characters	Interreg BSR 12 / 200 characters	"Co2mmunity" created valuable outputs how energy communities can be established and facilitated in practice in BSR countries. It also created policy recommendations on how to advance energy communities, which are a way to obtain locally produced renewable energy to use. Co2mmunity project identified barriers include policy, regulatory, financial and even cultural barriers.http://co2mmunity.eu/wp-content/uploads/2020/08/Policy_Paper_EN.pdf. We utilize this in RE3Heat project. The project uses outputs from Co2mmunity such as the RENCOP concept, where important stakeholders are involved in joint development. The plan in the current project is to use the RENCOP concept with SMEs and Infrastructure providers as target groups, which is a new application. 763 / 1,000 characters
Energize Co2mmunity 19 / 200 characters	Interreg BSR 12 / 200 characters	In this project there were six RE community pilots implemented in different BSR countries. In the FIN pilot there was a techo-economical assessment of small low-temperature heating solutions to a small housing area in rural South Finland. The outcomes are very relevant for the current proposal because they reflect real costs and carbon effects which are reached with the RE solution. An important target group output was the challenge of the service and administration of the common heating system owned by many citizens. We want to address this issue in the current project. 577 / 1,000 characters
Developing Energy Communities through Informative anD collEctive actions (DECIDE) 81 / 200 characters	Horizon 2020 12 / 200 characters	DECIDE is a project that aims to gain a better understanding of how energy communities and energy efficiency services are established and managed. It also intends to identify which kind of communications and interactions work best to encourage participation in energy communities for specific types of individuals and groups, and to test and transfer knowledge in pilot projects across Europe. 393 / 1,000 characters

Full name of the project	Funding Source	Use of the project outcomes and/or planned cooperation
Low Temperature District Heating for the Baltic Sea Region" (LowTEMP) 69 / 200 characters	Interreg BSR 12 / 200 characters	Within the LowTEMP project, 19 partners and 30 associated partners representing local, regional and national authorities, district heating suppliers, energy agencies, research institutions, and associations from nine BSR countries worked together. Jointly, they provided the DH stakeholders with expertise and tools on how to plan, finance, install and manage smart and sustainable DH systems. 393 / 1,000 characters
Sustainable energy Positive & zero cARbon CommunitieS (SPARCS) 62 / 200 characters	Horizon 2020 12 / 200 characters	SPARCS is a Lighthouse city project funded by Horizon 2020 and it is working to create a network of Sustainable energy Positive & zero cARbon CommunitieS in two lighthouse and five fellow cities. One of the lighthouse cities in SPARCS is Espoo in Finland where RE3 Heat project members have close co-operation. SPARCS presents great examples of green energy investments where we can take learnings from (A-pilots). In RE3 Heat we can arrange site visits to SPARCS Espoo locations (Lippulaiva) and co-operate with our similar target groups. More information is found here: https://www.sparcs.info/ 596 / 1,000 characters

3.10 Horizontal principles

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

4. Management

Allocated budget 15%

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.

Kick-off meeting in Finland, Final meeting in Lithuania, intermediate meetings in Estonia, Sweden and Denmark. In addition once a month regular partner meetings online (Teams).

176 / 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.

Project Lead Partner HAMK, which is also responsible for the financial management of the project, is an organization with diverse expertise in drawing large projects. Financial management assistance is available at HAMK.

220 / 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.

We will introduce a communication plan for the project and arrange a final event. We will also create a social media channel to Linked In and facebook, which are relevant to our target groups.

193 / 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	Learnings from A-pilots
1.2	Involvement of target groups - The role of target groups in decision making of green investments
1.3	Consolidation of the target groups/stakeholders

Number	Work Package Name
2	WP2 Piloting and evaluating solutions

Number	Group of Activity Name
2.1	Pilot B1, Finland
2.2	Pilot B2, Denmark
2.3	Pilot B3, Sweden
2.4	Pilot B4, Estonia
2.5	Co-evaluation and co-adjustment of solutions by meta-RENCOP

Number	Work Package Name
3	WP3 Transferring solutions

Number	Group of Activity Name
3.1	Online communication material
3.2	Transnational results dissemination via meta-RENCOP
3.3	Events
3.4	Finding suitable locations for C-pilots
3.5	Recommendations and final report

Work plan overview

Period:	1	2	3	4	5	6	Leader
WP.1: WP1 Preparing solutions							**PP2**
A.1.1: Learnings from A-pilots							PP6
D.1.1: Report, learnings from A-pilot		D					
A.1.2: Involvement of target groups - The role of target groups in decision making of green investments							PP1
D.1.2: Survey on existing decision making processes in municipalities, questionnaires to communities		D					
A.1.3: Consolidation of the target groups/stakeholders							PP7
D.1.3: Map of meta-RENCOP stakeholders for co-development of solutions		D					
WP.2: WP2 Piloting and evaluating solutions							**PP1**
A.2.1: Pilot B1, Finland							PP1
D.2.1: Solution development study of the local heating system for Pilot B1				D			
A.2.2: Pilot B2, Denmark							PP7
D.2.2: Solution description and lessons learnt from Pilot B2				D			
A.2.3: Pilot B3, Sweden							PP6
D.2.3: Solution development study of the local heating system from Pilot B3				D			
A.2.4: Pilot B4, Estonia							PP4
D.2.4: Solution development study of the local heating system from Pilot B4				D			
A.2.5: Co-evaluation and co-adjustment of solutions by meta-RENCOP							PP2
D.2.5: Analysis of stakeholders and summarizing results of the B-pilots				D			
WP.3: WP3 Transferring solutions							**PP5**
A.3.1: Online communication material							PP3
O.3.1: Transnational web-site and Online short course with different topics						O	
A.3.2: Transnational results dissemination via meta-RENCOP							PP2
O.3.2: Interactions with meta-RENCOP stakeholders						O	
A.3.3: Events							PP5
D.3.3: Analysis of events						D	
A.3.4: Finding suitable locations for C-pilots							PP3
D.3.4: Catalog with recommendations of C-pilots						D	
A.3.5: Recommendations and final report							PP5
O.3.5: Recommendations and final report - Accelerating green transition						O	

Outputs and deliverables overview

Code	Title	Description	Contribution to the output	Output/ deliverable contains an investment
D 1.1	Report, learnings from A-pilot	Deliverable D1.1 collects learnings from the A-pilots (pilots already existing). The report goes through learnings of following themes: - technical solutions, connection to existing energy systems and Environmental impact, - Social aspects and co-operation models in local green heating system and - Financial motivation to green transition in local green heating system. The report provides a good structure for presenting the best solutions for A-pilots. The report will be used in WP2 for the design of B-pilots and in WP3 as a starting point for all Outputs (Output O3.1, O3.2, and O3.5)	O3.1, O3.2, O3.5	
D 1.2	Survey on existing decision making processes in municipalities, questionnaires to communities	The content of the deliverable D1.2 will be the results and analysis of the transnational questionnaries to communities and citizens (housing companies) in the form of report. The purpose of the D1.2 is to give valuable learnings from the analysis where target groups can take learnings.	O3.1, O3.2 and O3.5	
D 1.3	Map of meta-RENCOP stakeholders for co-development of solutions	Summary on overall composition of stakeholder groups from participating into the RE3Heat regions will be formalized into a separate report RE3Heat Stakeholders Map. Overall composition will be presented by categorizing stakeholders/target groups according to BSR' types of organisations. General public or citizens are planned to be engaged and categorized into additional group citizens-prosumers. Composition of this group includes e.g. such Interest Groups as voluntary groups of villagers as examples of rural RENCOP and additionally representatives of housing associations or housing companies of block of flats/terraced residential buildings as examples of urban RENCOPs.	O.3.2 Interactions with meta-RENCOP stakeholders	
D 2.1	Solution development study of the local heating system for Pilot B1	The results of the A2.1 will be described in D2.1. D2.1 will report following themes: - technological solutions of the pilot - financial motivation to renewable local heating systems to communities, example from the pilot - co-operation models of local heating systems, possible models from the pilot - the role of municipality as a accelerator in green transition investments The results reported in D2.1 will help reaching outputs in WP3 (O3.1, O3.2 and O3.5)	O3.1, O3.2 and O3.5	
D 2.2	Solution description and lessons learnt from Pilot B2	The results of the A2.2 will be described in D2.2. D2.2 will report following themes: - technological solutions, implementation of the pilot, lessons learnt - financial motivation to renewable local heating systems to citizens - co-operation models of local heating systems, lessons learnt - learnings from the role of municipality as a accelerator in green transition investments The results reported in D2.1 will help reaching outputs in WP3 (O3.1, O3.2 and O3.5).	O3.1, O3.2 and O3.5	Yes
D 2.3	Solution development study of the local heating system from Pilot B3	The results of the A2.3 will be described in D2.3. D2.3 will report following themes: - technological solutions of the pilot (including: results in terms of changes in distribution heat loss, pressure loss, pipe dimensions for the case study LTDH networks in comparison to that in conventional ones and recommendation for existing DH systems: costs and benefits of having LTDH it its network, effects toward a LTDH systems) - financial motivation to LTDH (customer's viewpoint), regarding pilot B3 - co-operation models of local heating systems and larger energy systems (district heating), possible models from the pilot regarding pilot B3 - the role of municipality as a accelerator in green transition investments regarding pilot B3 The results reported in D2.3 will help reaching outputs in WP3 (O3.1, O3.2 and O3.5)	O3.1, O3.2 and O3.5	
D 2.4	Solution development study of the local heating system from Pilot B4	The results of the A2.4 will be described in D2.4. D2.4 will report following themes: - technological solutions of the pilot utilizing heat source from sea water to local heating system - financial motivation to renewable local heating systems to communities, example from the pilot - co-operation models of local heating systems, possible models from the pilot - the role of municipality as a accelerator in green transition investments The results reported in D2.4 will help reaching outputs in WP3 (O3.1, O3.2 and O3.5)	O3.1, O3.2 and O3.5	
D 2.5	Analysis of stakeholders and summarizing results of the B-pilots	This deliverable is going further and deeper from the RE3Heat Stakeholders Map (D.1.3). The Analysis of stakeholders and summarizing of the B-pilots results will be formalized into a separate .pdf report based on information flow from GoA:s 2.1-2.4 and/or D.2.1-2.4. Analysis of the meta-RENCOP stakeholders will be structured according to thematic focuses of the pilots. The regional RENCOP coordinators and the pilot leaders will jointly contribute to this deliverable. The main responsible for this report/editor is PP2/GNF. The report will be delivered at the end of the fourth reporting period.	O.3.2 Interactions with meta-RENCOP stakeholders	
O 3.1	Transnational web-site and Online short course with different topics	The goal of O3.1 is that the project and its results will reach the widest possible group, taking into account the different target groups and BSR countries. The aim is to provide informative information to different target groups about the project's extensive data bank and the pilots and lessons learned from them. O3.1 includes website, social media, newsletters and blogs, short online course and all these will be available after project ends.		

O 3.2	Interactions with meta-RENCOP stakeholders	Deliverables D.1.1 (learnings from A-pilot), D 1.2 (survey on existing decision making processes in municipalities, questionnaires to communities), D.1.3 (map of meta-RENCOP stakeholders for co-development of solutions) and D.2.5 (analysis of stakeholders and summarizing results of the B-pilots after two years of the project) will contribute to this output by presenting the introduction and the main part of the story of the interactions with meta-RENCOP stakeholders. A new part of the story - a summary of interactions of the regional RENCOP managing organizations and organizations participating in those - will be added as the final part. PP2/GNF will be responsible for making structure and compiling the story/report. All RC:s will contribute with their own regional input. The output O.3.2 will be delivered at the end of the project. This output will be formalized as a separate .pdf report Story of RE3Heat meta-RENCOP.		
D 3.3	Analysis of events	This report summarizes the events in Activity A3.3 and reports the results of the event analyzes. The number of participants involved and the results of a short feedback survey on the events are analyzed from the events. Based on the feedback survey, it is possible to develop events in the desired direction already during the project.	O3.1 Transnational web-site and Online short course with different topics	
D 3.4	Catalog with recommendations of C-pilots	In D3.4 the recommendations for the best locations to implement next sustainable, cost-effective local heating solutions will be given. The form of D3.4 is a catalog with short descriptions and arguments and this will be available in project's website (O3.1). Transnational co-operation with partners and stakeholder groups will be hosted and learnings from transnational pilots will be utilized.	O3.1 Transnational web-site and Online short course with different topics, O3.5	
O 3.5	Recommendations and final report - Accelerating green transition	O3.5 summarizes the final recommendations of the project as a form of report, short online video (educational) as well as presented in events (ie. seminars, webinars). This includes summarizing everything learned in the project in a form that is understandable to the target groups. As a form of output, O3.5 will be part of O3.1. The themes to be addressed for each target group and through the pilots learned are: - technological solutions of green, sustainable and cost-effective heating solutions - co-operation models and social aspects - financial motivation of green, sustainable and cost-effective heating solutions - the role of municipalities on how to accelerate green transition.		

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 2 - Green Net Finland

Work package leader 2 PP 7 - Municipality of Middelfart

5.4 Work package budget

Work package budget 15%

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Interest group Citizens (private owners of apartments and houses), housing associations in which natural persons are members, Real Estate Federation, etc. This target group is important in all partner countries of the project. They are very important in e.g. DK pilot B. 257 / 500 characters	In WP1, citizens are reached through the project's AO:s (e.g. local public authorities - cities and municipalities, real estate associations/federations, housing organizations and interest groups such as voluntary groups of citizens). In GoA 1.1 group of citizens are invited to site visits to A-pilot locations to learn already existing solutions. In GoA1.2 citizens participate in an extensive multinational survey that aims to obtain relevant information on, among other things, what help citizens need to accelerate green investment. This provides important information for the progress of the project and the achievement of its goals. In GoA 1.3 the target group will be consolidated into a so-called RENCOP-partnership, in which the coordinator will interact regularly via different channels and events (e.g. meetings, webinars, etc.).A more detailed description of how work will be implemented presented the Chapter 5.6 of this WP1 938 / 1,000 characters
2	Small and medium enterprise Real estate companies and companies who own real estates. Industrial areas with SME companies, willingness and resources to obtain lower energy costs and green sustainable energy. These target groups appear in all partner countries, and are important e.g. in the FIN and EST pilot B. 284 / 500 characters	In WP1, small and medium enterprises (SME:s) are reached through RENCOP stakeholder groups and as AO:s of the project (A1.3 and results from D1.1-D1.3). Regional RENCOP:s of the partnership will act as the meeting points and tools for reaching out and engagement of the stakeholders. In addition, SMEs are reached through the various information channels used in the project (described in more detail in WP3, project website, social media, local media, etc.). In A1.2, SME's participate in an extensive multinational survey that aims to obtain relevant information on, among other things, what needs and lack of knowledge they have concerning green cost-effective heating solutions and what help them need to accelerate green investments. This provides important information for the progress of the project and the achievement of its goals. In A1.1 SMEs are invited to site visits to A-pilot locations to learn already existing solutions. In GoA 1.3 SMEs are invited to be a part of the community. 1,000 / 1,000 characters
3	Infrastructure and public service provider Utility company of heat provider (Energy company, owned by municipalities). These target groups appear in all partner countries, but especially in SE, FIN and EST. 164 / 500 characters	In WP1, this target group (energy companies) will be reached via a survey (GoA 1.2), from which they will receive important information on their customers' energy investment needs (target groups: citizens, SMEs and cities). Also they will reached via the regional RENCOP stakeholder groups of the project where the AO:s and external organizations are consolidated (GoA 1.3) for further work on energy solutions development in WP2. 433 / 1,000 characters
4	Local public authority Cities and municipalities, National assembly of municipalities, Municipalities in DK2020 climate planning. These target groups are very important in FIN, EST, LT and DK. 170 / 500 characters	In WP1, this target group (cities, municipalities and associations/assembly/groups of those) will be reached via all three GoA :s of this WP1. The project has a lot of representatives of this target group already reached in the preparation phase and involved them as AO:s into the project. More new members will be engaged. In GoA 1.2, municipalities are invited to participate in an extensive multinational survey that aims to obtain relevant information on, among other things, what help municipalities need to accelerate green investment (as investing to themselves as well as helping citizens). This provides important information for the progress of the project and the achievement of its goals. In A1.1 group of municipalities are invited to site visits to A-pilot locations to learn already existing solutions. In GoA 1.3 they will be invited to join the regional RENCOPs. 880 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
1.1	**Learnings from A-pilots**
1.2	**Involvement of target groups - The role of target groups in decision making of green investments**
1.3	**Consolidation of the target groups/stakeholders**

WP 1 Group of activities 1.1

5.6.1 Group of activities leader

Group of activities leader PP 6 - Linnaeus University

A 1.1

5.6.2 Title of the group of activities

Learnings from A-pilots

24 / 100 characters

5.6.3 Description of the group of activities

In the project, we are concentrating on three types of pilots (A-, B- and C-pilots). In the project preparation phase partners jointly identified common challenges for development in WP1. In A1.1, concentration is in A-pilots. A-Pilots are based on already existing small scale local area heating networks, where renewable energy sources, good connectivity, low temperature and smart control are used. They serve as model examples and will be examined in collaboration by all countries in this A1.1. In particular the A-Pilot solutions will form concepts and be references for developing Pilot B new solutions (in WP2) and for C-pilots which present the next places for new investments (in WP3). Or how existing/implemented solutions applicable to B-pilots and what can be learned and utilized from them for developing the B-pilots in the most successful way. In the cross-border context the A-Pilot solutions generate new skills and important knowledge of how to implement the “green” solutions.

In A1.1 (Learnings from A-pilots) we will collect the information and learnings from A-Pilots. These learnings we will use in B-pilots in WP2 and in C-pilots in WP3. During the project preparation phase we have identified 15 - 20 A-pilots already available locations from different partner countries where there are already existing local heating solutions utilizing renewable heat sources. These A-pilots present versatile solutions technologically and with different co-operation models. From these A-pilots we will get financial figures for profitability of the local heating systems. The A-pilots have been selected equally from all the partner countries which highlight the transnational setting of the project.

In A1.1 we will learn from these A-pilots in following themes:
- Technical solutions and connection to existing energy systems and Environmental impact
- Financial motivation to green transition in local green heating system
- Social aspects and co-operation models in local green heating system.

To success in A1.1, we will have following activities:
- studies including literature review from the A-pilots (themes presented above)
- arrange site visits to A-pilots (where possible, target groups will also be invited)
- contact existing networks from previous projects (such as Energize Co2mmunity) as well as stakeholders for further information of A-pilots,
- we will have 1-to-1 interviews to A-pilots to deepen our level of learnings.

The results will be presented in Deliverable D1.1 in the form of the report. In addition to utilizing the lessons of this in WP2 in piloting B-pilots, the results will also be utilized in informing WP3 Outputs O3.1, O3.2, and O3.5 different target groups and disseminating the lessons in, among other things, an online course and various articles (blog, project newsletter for stakeholder group, etc).

2,876 / 3,000 characters

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

D 1.1

Title of the deliverable

Report, learnings from A-pilot

31 / 100 characters

Description of the deliverable

Deliverable D1.1 collects learnings from the A-pilots (pilots already existing). The report goes through learnings of following themes:
- technical solutions, connection to existing energy systems and Environmental impact,
- Social aspects and co-operation models in local green heating system and
- Financial motivation to green transition in local green heating system.

The report provides a good structure for presenting the best solutions for A-pilots. The report will be used in WP2 for the design of B-pilots and in WP3 as a starting point for all Outputs (Output O3.1, O3.2, and O3.5)

599 / 2,000 characters

Which output does this deliverable contribute to?

O3.1, O3.2, O3.5

17 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.1: Learnings from A-pilots						
D.1.1: Report, learnings from A-pilot						

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 1 - Häme University of Applied Sciences (HAMK)

A 1.2

5.6.2 Title of the group of activities

Involvement of target groups - The role of target groups in decision making of green investments

96 / 100 characters

5.6.3 Description of the group of activities

The aim of the A1.2 is to find out the decision making processes of the target groups when investing energy solutions. Beside this the aim is to find out the general level of knowledge of energy issues as well as where they are aiming at and how their are financially motivated for green investments. The target groups where this A1.2 concentrate are:
- the communities - how the decision making process is done in communities when they are investing in green energy systems and how this process can be accelerated, what kind of help would they be needed
- the citizens (housing companies) - how the decision making process is done in housing companies when they are investing in green energy systems and how this process can be accelerated what kind of help would they be needed.

The A1.2 is implemented with questionnaires to the target groups mentioned above and in all the partner countries which takes into account the transnational setting of the project. To deepen the survey, chosen stakeholders (or Associate partners) are interviewed within this topic.
The A1.2 gives valuable knowledge on how to accelerate green transition in heating systems, which knowledge and information different target groups needs to have for accelerated green transition. Because the transnational group of the respondents, this A1.2 will give valuable information and learnings from each other.

The results of A1.2 is collected as results of the survey (analysis of the questionnaires and interviews from transnational group of respondents) and a report (D1.2). The results of this A1.2 will be used in WP2 (all B-pilots) and in WP3 all Outputs (O3.1, O3.2, O3.5).

1,661 / 3,000 characters

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

D 1.2

Title of the deliverable

Survey on existing decision making processes in municipalities, questionnaires to communities

93 / 100 characters

Description of the deliverable

The content of the deliverable D1.2 will be the results and analysis of the transnational questionnaries to communities and citizens (housing companies) in the form of report. The purpose of the D1.2 is to give valuable learnings from the analysis where target groups can take learnings.

288 / 2,000 characters

Which output does this deliverable contribute to?

O3.1, O3.2 and O3.5

19 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.2: Involvement of target groups - The role of target groups in decision making of green investments						
D.1.2: Survey on existing decision making processes in municipalities, questionnaires to communities						

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 7 - Municipality of Middelfart

A 1.3

5.6.2 Title of the group of activities

Consolidation of the target groups/stakeholders

48 / 100 characters

5.6.3 Description of the group of activities

Work in this GoA 1.3 will be based on experiences, outputs, lessons learned and developments from Co2mmunity and Energize Co2mmunity BSR projects. Previously mapped, established, analysed and operated the regional RENCOPs (Renewable Energy Cooperation Partnerships) in Finland, Denmark, Sweden, Estonia and Lithuania will be used as a base for consolidation work in this GoA. Understanding of specifics in different types of RENCOPs - rural vs. urban, experts- vs. citizens-driven - will be utilized. Also, already existing knowledge on regional status quos related to RE and EC (energy community) is giving possibility to start in the new RE3Heat project with solid fundamental experience. New RE3Heat meta-RENCOP will be established and further developed to be a more consolidated force to develop new heating solutions. Regional RENCOP coordinators (RCs) will be appointed in the following PPs: Middelfart (PP7/DK), GNF (PP2/FIN), TREA (PP4/EST), LINNAEUS (PP6/SE), LEI (PP5/LT). Each RENCOP will attempt to have a diverse composition representing different types of stakeholders. Each RC will interact with defined target groups by approaching and reaching out to them via kick-off meeting, established for the purpose of this project Facebook and Linkedin accounts in national languages. For interregional communication will be established a Linkedin account managed by LP/HAMK. Among other matters, the proceeding of consolidation work will be discussed internally on a regular basis (once a month) during partner Monday morning skype meetings. RC's will meet and discuss relevant to the RE3Heat topics with AO's representatives and other relevant stakeholders in order to engage them into solutions development work. As an approaching strategy to reach/engage citizens/natural persons will be utilized intermediary organisations, e.g. real estate/management federations/associations/cooperatives etc. Outcomes of those interactions will be shared with partners.
The kick-off meetings of the regional RENCOPs will be organized and facilitated by the RCs till the end of the first reporting period. Composition of the meta-RENCOP and development focus will be summarized into a separate deliverable/report (responsible for template and compiling is GoA 1.3 leader, RC's are responsible for their regional content). The work of this GoA 1.3 will be followed by GoA 2.5.

2,376 / 3,000 characters

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

D 1.3

Title of the deliverable

Map of meta-RENCOP stakeholders for co-development of solutions

63 / 100 characters

Description of the deliverable

Summary on overall composition of stakeholder groups from participating into the RE3Heat regions will be formalized into a separate report RE3Heat Stakeholders Map. Overall composition will be presented by categorizing stakeholders/target groups according to BSR' types of organisations. General public or citizens are planned to be engaged and categorized into additional group citizens-prosumers. Composition of this group includes e.g. such Interest Groups as voluntary groups of villagers as examples of rural RENCOP and additionally representatives of housing associations or housing companies of block of flats/terraced residential buildings as examples of urban RENCOPs.

681 / 2,000 characters

Which output does this deliverable contribute to?

O.3.2 Interactions with meta-RENCOP stakeholders

48 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.3: Consolidation of the target groups/stakeholders						
D.1.3: Map of meta-RENCOP stakeholders for co-development of solutions						

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 - Häme University of Applied Sciences (HAMK)

Work package leader 2 PP 4 - Tartu Regional Energy Agency

5.4 Work package budget

Work package budget 40%

5.4.1 Number of pilots

Number of pilots 4

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Interest group Citizens (private owners of apartments and houses), housing associations in which natural persons are members, Real Estate Federation, etc. This target group is important in all partner countries of the project. They are very important in e.g. DK pilot B. 257 / 500 characters	Citizens play a significant role as a target group in all WP2 GoAs. A2.1 - A2.4 each focus on one B-pilot and all of them target citizens as one target group. Citizens will be involved in each B-pilot as part of the solution presented in the pilot. They are involved through Stakeholder Groups and Associate Partners as well as invited to site visits, separate meetings and workshops. According to the location of each B-pilot, local citizens are invited to develop the pilot and the pilot's communication in the planning and implementation phase (WP2) is regionally focused. All target groups are informed about the pilot solutions made in all WPs through many different channels (see WP3). 693 / 1,000 characters
2	Small and medium enterprise Real estate companies and companies who own real estates. Industrial areas with SME companies, willingness and resources to obtain lower energy costs and green sustainable energy. These target groups appear in all partner countries, and are important e.g. in the FIN and EST pilot B. 284 / 500 characters	SMEs play a significant role as a target group in A2.1 and A2.4. SMEs will be involved in A2.1 and A2.4 as part of the solution presented in the pilot. They are involved through Stakeholder Groups and Associate Partners as well as invited to site visits, separate meetings and workshops. According to the location of each B-pilot, local SMEs are invited to develop the pilot and the pilot's communication in the planning and implementation phase (WP2) is regionally focused. All target groups are informed about the pilot solutions made in all WPs through many different channels (see WP3). 592 / 1,000 characters
3	Infrastructure and public service provider Utility company of heat provider (Energy company, owned by municipalities). These target groups appear in all partner countries, but especially in SE, FIN and EST. 164 / 500 characters	Energy companies are target group especially in A2.1 and A2.4 where this target group takes part of the planning of technological solutions in these B-pilots. They are involved through Stakeholder Groups and Associate Partners as well as invited to site visits, separate meetings and workshops. Energy companies are informed about all the pilot (A-pilots, B-pilots, C-pilots) solutions made through many different channels (see WP3). 436 / 1,000 characters
4	Local public authority Cities and municipalities, National assembly of municipalities, Municipalities in DK2020 climate planning. These target groups are very important in FIN, EST, LT and DK. 170 / 500 characters	Municipalities play a significant role as a target group in all WP1 GoAs. A2.1 - A2.4 each focus on one B-pilot and all of them target municipalities as one target group. They are involved through Stakeholder Groups and Associate Partners as well as invited to site visits, separate meetings and workshops. The workshops will be held where together with communities and other target groups will find solutions how to accelerate green investments and how municipalities could help these processes. According to the location of each B-pilot, local municipalities are invited to develop the pilot and the pilot's communication in the planning and implementation phase (WP2) is regionally focused. All target groups are informed about the pilot solutions made in all WPs through many different channels (see WP3). 811 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
2.1	**Pilot B1, Finland**
2.2	**Pilot B2, Denmark**
2.3	**Pilot B3, Sweden**
2.4	**Pilot B4, Estonia**
2.5	**Co-evaluation and co-adjustment of solutions by meta-RENCOP**

WP 2 Group of activities 2.1

5.6.1 Group of activities leader

Group of activities leader PP 1 - Häme University of Applied Sciences (HAMK)

A 2.1

5.6.2 Title of the group of activities

Pilot B1, Finland

17 / 100 characters

5.6.3 Description of the group of activities

A2.1 concentrates on B-pilot in Finland, Kanta-Häme region. In A2.1 we will develop a solution to change the heating system in the municipality owned buildings currently heated by fossil fuels to the best available heating source using renewable local energy and forming “a heating community” between different buildings and building owners. Beside the technical solution, this pilot concentrates on clarifying financial motivation of green local energy systems to communities. Beside technological solutions, the objective of this pilot is to find ways to accelerate the processes of municipal green energy investments, taking into account the taxonomy and available financial alternatives for making the investment. The activities in A2.1 does not involve investments or actual procurement of the heating solution, but in this project as a result of A2.1, we will write a report (D2.1) where solution development is described.
The activities in A2.1 will include:
- baseline mapping (starting point, input values of the energy consumption, current heating system, etc) and mapping of potential partners in local heating solution
- comparison of technological solutions for renewable local heating system for this pilot (partner PP6 assisting)
- comparison of co-operation models or business models for local heating systems for this pilot (partners PP2 and PP4 assisting)
- workshops with municipality how to accelerate green transition (zoning and planning processes etc)
- involving target groups with stakeholder group meetings and workshops in different steps of the pilot as well as possible site visits.

The results of the A2.1 will be described in D2.1 which will report the technical and co-operation model of the solution developed in the A2.1 as well as communities and decisions makers' role to accelerate green transition. D2.1 will contribute to outputs in WP3 (O3.1, O3.2 and O3.5).
The transnational setting is taken into account by learnings and best available solutions from partner countries, which will be presented to the target groups. The responsible partner in A2.1 is PP1 and other partners are involved with their experties.

2,167 / 3,000 characters

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

D 2.1

Title of the deliverable

Solution development study of the local heating system for Pilot B1

67 / 100 characters

Description of the deliverable

The results of the A2.1 will be described in D2.1. D2.1 will report following themes:
- technological solutions of the pilot
- financial motivation to renewable local heating systems to communities, example from the pilot
- co-operation models of local heating systems, possible models from the pilot
- the role of municipality as a accelerator in green transition investments

The results reported in D2.1 will help reaching outputs in WP3 (O3.1, O3.2 and O3.5)

466 / 2,000 characters

Which output does this deliverable contribute to?

O3.1, O3.2 and O3.5

19 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.1: Pilot B1, Finland						
D.2.1: Solution development study of the local heating system for Pilot B1						

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 7 - Municipality of Middelfart

A 2.2

5.6.2 Title of the group of activities

Pilot B2, Denmark

17 / 100 characters

5.6.3 Description of the group of activities

A2.2 concentrates on B-pilot in Denmark, Municipality of Middelfart. In A2.2 the objective is to develop and execute local heating system in residential area with Thermonet (5. generation district heating). The solution rests heavily in citizen engagement and participation. Traditional district heating will most likely not be a possibility due to distances between houses, and individual heatpumps could disturb the village's heritage values. Therefor feasibility study and implementation is needed i cooperation

The activities in A2.2 will include:
- baseline mapping
- planning of thermonet solution
- procurement and execution of the heating solution
- involving target groups with stakeholder group meetings and workshops in different steps of the pilot as well as possible site visits

A2.2 will include equipment investments. This activity is important for finding feasible ways to ease investments in green heating solutions. Even if the investments are done in DK, other partner countries will learn from investment process.

The results of the A2.2 will be described in D2.2 which will report the technical and co-operation model of the solution developed in the A2.2. D2.2 will contribute to outputs in WP3 (O3.1, O3.2 and O3.5).
The transnational setting is taken into account by learnings and best available solutions from partner countries, which will be presented to the target groups.
The lead partner in A2.2 is PP7. From the partner group in this project, A2.2 will utilize especially knowledge and help from PP5 and PP6 (technological advisor), PP3 (financial motivation and Spatial planning, land use permissions etc.).

1,652 / 3,000 characters

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

D 2.2

Title of the deliverable

Solution description and lessons learnt from Pilot B2

53 / 100 characters

Description of the deliverable

The results of the A2.2 will be described in D2.2. D2.2 will report following themes:
- technological solutions, implementation of the pilot, lessons learnt
- financial motivation to renewable local heating systems to citizens
- co-operation models of local heating systems, lessons learnt
- learnings from the role of municipality as a accelerator in green transition investments

The results reported in D2.1 will help reaching outputs in WP3 (O3.1, O3.2 and O3.5).

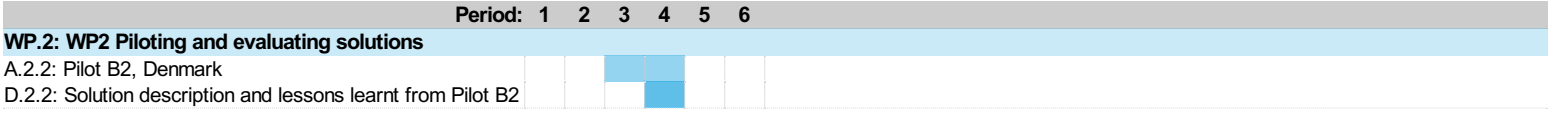
472 / 2,000 characters

Which output does this deliverable contribute to?

O3.1, O3.2 and O3.5

19 / 100 characters

5.6.6 Timeline



5.6.7 This deliverable/output contains productive or infrastructure investment ☑

	Investment no.	I2.2_1	

Title
Renewable energy system, A2.2 B-pilot, Denmark
46 / 100 characters

Description
The plan is to involve many citizens (>100) to a common energy solution.
The investments needed: Multiple shallow geothermal drillings, A 100 kW heat pump, Control devices for some village houses and a public buildings (approx. 20 Kamstrup meters), Data collection, 100 m2 solar PV, Project management of B-pilot
314 / 500 characters

Country
Denmark

Responsible project partner(s)
PP 7 - Municipality of Middelfart

Justification
The investment (A2.2) is important to provide experimental information of green energy investments that can be applied in cross border context.
143 / 500 characters

Transitional relevance
B-pilot A2.2 (Denmark) has a sound basis based on the successful work in earlier projects (Co2mmunity).
104 / 500 characters

Benefits
Citizens, local public authorities / municipalities, Associated organizations, Thermonet
88 / 500 characters

Location
Village Fjelsted Harndrup
25 / 250 characters
Fyn

Location ownership
tbd
3 / 250 characters

Ownership
Private house owners / common solution such as energy community
63 / 500 characters

Maintenance
tbd
3 / 500 characters

Climate proofing
☑ Ensured ☐ N/A

WP 2 Group of activities 2.3

5.6.1 Group of activities leader

Group of activities leader PP 6 - Linnaeus University

A 2.3

5.6.2 Title of the group of activities

Pilot B3, Sweden

16 / 100 characters

5.6.3 Description of the group of activities

A2.3 concentrates on B-pilot in Sweden, Växjö (southest part of the country). Pilot B3 concentrates on two locations: one already existing residential area and one new-built residential area. In these locations, the target is to solution development and feasibility study of low-temperature district heating (LTDH) network to residential areas and within existing DH network. Low temperature DH-systems (LTDH) give new opportunities for existing DH systems to optimize production resulting in more electricity and lower fuel consumption.The benefit of LTDH systems for local heating solutions is that the integration between these two energy systems (eg. two-way district heating systems) is more feasible.

The activities in A2.3 will include:
- baseline mapping
- network simulations and solution development to Pilot B3
- cost-benefit calculations: investment changes and effects to the existing DH production facility
- customer view: DH suppliers and users
- options and solutions to design and connect LTDH subnetwork in to an existing DH network

The objectives of A2.3 have been successful when the activities have been completed (D2.3) and the target groups have been successfully communicated about them. In addition, we have found suitable targets for similar types of solutions (C-pilots, WP3). Target groups (municipality-owned utility company, energy companies) are actively participating to activities in A2.3 as as technological advisor (such as providing input data).
Transnational setting is used while taking learnings from A-pilots with similar solutions already existing than this and located in other partner countries. In addition, the results are actively shared with international stakeholder groups.
The lead partner in A2.3 is PP6. From the partner group in this project, A2.3 will utilize especially knowledge and help from PP1, PP3 and PP5 (technological advisor), PP3 (financial motivation), PP8 (social aspects).

1,951 / 3,000 characters

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

D 2.3

Title of the deliverable

Solution development study of the local heating system from Pilot B3

68 / 100 characters

Description of the deliverable

The results of the A2.3 will be described in D2.3. D2.3 will report following themes:
- technological solutions of the pilot (including: results in terms of changes in distribution heat loss, pressure loss, pipe dimensions for the case study LTDH networks in comparison to that in conventional ones and recommendation for existing DH systems: costs and benefits of having LTDH it its network, effects toward a LTDH systems)
- financial motivation to LTDH (customer's viewpoint), regarding pilot B3
- co-operation models of local heating systems and larger energy systems (district heating), possible models from the pilot regarding pilot B3
- the role of municipality as a accelerator in green transition investments regarding pilot B3

The results reported in D2.3 will help reaching outputs in WP3 (O3.1, O3.2 and O3.5)

826 / 2,000 characters

Which output does this deliverable contribute to?

O3.1, O3.2 and O3.5

19 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.3: Pilot B3, Sweden						
D.2.3: Solution development study of the local heating system from Pilot B3						

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 4 - Tartu Regional Energy Agency

A 2.4

5.6.2 Title of the group of activities

Pilot B4, Estonia

17 / 100 characters

5.6.3 Description of the group of activities

A2.4 concentrates on B-pilot in Estonia, Tallinn. In A2.4 we will develop a solution of low-temperature district heating (LTDH) system utilizing sea water as a heat source to residential area and forming “a heating community” between different buildings and building owners. Beside the technical solution, this pilot concentrates on clarifying financial motivation of green local energy systems to communities. Beside technological solutions, the objective of this pilot is to find ways to accelerate the processes of municipal green energy investments. The activities in A2.4 does not involve investments or actual procurement of the heating solution, but in this project as a result of A2.4, we will write a report (D2.4) where solution development is described.

The activities in A2.4 will include:
- baseline mapping (starting point, input values of the energy consumption, current heating system, etc)
- utilizing learnings from A-pilots where heat from sea water is utilized for local heating systems (transnational learnings from partner countries)
- description of technological solutions for renewable local heating system for this pilot
- involving target groups with stakeholder group meetings and workshops in different steps of the pilot as well as possible site visits.

The results of the A2.4 will be described in D2.4 which will report the technical solution developed in the A2.4 as well as communities and decisions makers' role to accelerate green transition. D2.4 will contribute to outputs in WP3 (O3.1, O3.2, O3.5).
The transnational setting is taken into account by learnings and best available solutions from partner countries, which will be presented to the target groups. From the partner group in this project, A2.4 will utilize especially knowledge and help from PP6 and PP5 (technological advisor and simulations), PP5 (financial motivation), PP8 (social aspects).

1,904 / 3,000 characters

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

D 2.4

Title of the deliverable

Solution development study of the local heating system from Pilot B4

68 / 100 characters

Description of the deliverable

The results of the A2.4 will be described in D2.4. D2.4 will report following themes:
- technological solutions of the pilot utilizing heat source from sea water to local heating system
- financial motivation to renewable local heating systems to communities, example from the pilot
- co-operation models of local heating systems, possible models from the pilot
- the role of municipality as a accelerator in green transition investments

The results reported in D2.4 will help reaching outputs in WP3 (O3.1, O3.2 and O3.5)

527 / 2,000 characters

Which output does this deliverable contribute to?

O3.1, O3.2 and O3.5

19 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.4: Pilot B4, Estonia						
D.2.4: Solution development study of the local heating system from Pilot B4						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 2 Group of activities 2.5

5.6.1 Group of activities leader

Group of activities leader PP 2 - Green Net Finland

A 2.5

5.6.2 Title of the group of activities

Co-evaluation and co-adjustment of solutions by meta-RENCOP

59 / 100 characters

5.6.3 Description of the group of activities

The work of this GoA 2.5 is following from GoA 1.3 and focusing on co-evaluation and co-adjustment of solutions. The information flow for this work will be provided from the pilots (GoA 2.1-2.4). Set of meetings of the regional RE3Heat RENCOPs will be organized, which will go through status quos in the pilot developments. Project external experts from relevant initiatives/projects will be invited to support validation and co-evaluation and co-adjustment process. Modes of the regional meetings/interactions will be adjusted to preferences of the target groups (e.g. face-to-face or online meeting/event, phone and email conversation, communication in social media). For the interregional/transnational external dimension of the work will be utilized the RE3Heat Linkedin account and transnational/meta-RENCOP meetings (online or physical). Among other matters, the proceeding of co-development, co-evaluation and co-adjustment work will be discussed internally on a regular basis (once a month) during partner Monday morning Teams meetings. The summarizing meeting of the pilots development work will be held latest after two years of the implementation. If feasible, the summarizing meeting of the pilots' development or transnational meta-RENCOP meeting will be organised as a physical event, in connection to a partner meeting at the end of the fourth reporting period. Site-visit to the pilot area would give a deeper understanding of the pilot and provide more matters for transferring work in GoA 3.2. PP2/GNF will be responsible for practicalities related to this meeting.

1,586 / 3,000 characters

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

D 2.5

Title of the deliverable

Analysis of stakeholders and summarizing results of the B-pilots

65 / 100 characters

Description of the deliverable

This deliverable is going further and deeper from the RE3Heat Stakeholders Map (D.1.3). The Analysis of stakeholders and summarizing of the B-pilots results will be formalized into a separate .pdf report based on information flow from GoA:s 2.1-2.4 and/or D.2.1-2.4. Analysis of the meta-RENCOP stakeholders will be structured according to thematic focuses of the pilots. The regional RENCOP coordinators and the pilot leaders will jointly contribute to this deliverable. The main responsible for this report/editor is PP2/GNF. The report will be delivered at the end of the fourth reporting period.

602 / 2,000 characters

Which output does this deliverable contribute to?

O.3.2 Interactions with meta-RENCOP stakeholders

48 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.5: Co-evaluation and co-adjustment of solutions by meta-RENCOP						
D.2.5: Analysis of stakeholders and summarizing results of the B-pilots						

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 5 - Lithuanian Energy Institute

Work package leader 2 PP 3 - Sykli Environmental School of Finland

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	Interest group Citizens (private owners of apartments and houses), housing associations in which natural persons are members, Real Estate Federation, etc. This target group is important in all partner countries of the project. They are very important in e.g. DK pilot B. 257 / 500 characters	Citizens play a significant role as a target group in WP3 GoAs' and WP3 will succeed in its goals if this target group is reached on the themes of the project. The project actively maintains websites and social media channels (O3.1), and in these ways citizens can reach out to the project both during and after the project. Project will collect a catalog of A- and B-pilots (solutions, learnings, etc) in website, and during the project an online video course on the project themes (in the teaching style) will be produced, taking into account different target groups (O3.1). Citizens will receive invitations to events (seminars, webinars, meta-RENCOP groups) and stakeholder groups. 686 / 1,000 characters
2	Small and medium enterprise Real estate companies and companies who own real estates. Industrial areas with SME companies, willingness and resources to obtain lower energy costs and green sustainable energy. These target groups appear in all partner countries, and are important e.g. in the FIN and EST pilot B. 284 / 500 characters	The project actively maintains websites and social media channels (O3.1), and in these ways SMEs can reach out to the project both during and after the project. Project will collect a catalog of A- and B-pilots (solutions, learnings, etc) in website and together with SMEs the locations of C-pilots will be discussed (O3.4). During the project an online video course on the project themes (in the teaching style) will be produced, taking into account different target groups (O3.1). SMEs will participate to local, national and international events (seminars, webinars, Meta-RENCOP groups) and stakeholder groups. 614 / 1,000 characters
3	Infrastructure and public service provider Utility company of heat provider (Energy company, owned by municipalities). These target groups appear in all partner countries, but especially in SE, FIN and EST. 164 / 500 characters	The project actively maintains websites and social media channels (O3.1), and in these ways infrastructure and public service providers can reach out to the project both during and after the project. Project will collect a catalog of A- and B-pilots (solutions, learnings, etc) in website and together with public service providers, the locations of C-pilots will be discussed (O3.4). During the project an online video course on the project themes (in the teaching style) will be produced, taking into account different target groups (O3.1). This target group will participate to local, national and international events (seminars, webinars, Meta-RENCOP groups) and stakeholder groups. 687 / 1,000 characters
4	Local public authority Cities and municipalities, National assembly of municipalities, Municipalities in DK2020 climate planning. These target groups are very important in FIN, EST, LT and DK. 170 / 500 characters	The project actively maintains websites and social media channels (O3.1), and in these ways municipalities can reach out to the project both during and after the project. Project will collect a catalog of A- and B-pilots (solutions, learnings, etc) in website and together with municipalities, the locations of C-pilots will be discussed. During the project an online video course on the project themes (in the teaching style) will be produced, taking into account different target groups (O3.1). This target group will participate to local, national and international events (seminars, webinars, Meta-RENCOP groups) and stakeholder groups. 641 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
3.1	**Online communication material**
3.2	**Transnational results dissemination via meta-RENCOP**
3.3	**Events**
3.4	**Finding suitable locations for C-pilots**
3.5	**Recommendations and final report**

WP 3 Group of activities 3.1

5.6.1 Group of activities leader

Group of activities leader PP 3 - Sykli Environmental School of Finland

A 3.1

5.6.2 Title of the group of activities

Online communication material

30 / 100 characters

5.6.3 Description of the group of activities

A3.1 is an extensive and project-wide Group of activity that includes the activities, such as:
- creation of project websites to which project news and results are actively updated. The deliverables and reports created in the project are collected on the website.
- short online video courses on the themes of the project (financial motivation, authorities and municipalities role, co-operation models (social) and technological solutions)
- establishing social media channels for the project and actively updating them throughout the project
- writing newsletter and blogs regularly to the stakeholder groups of the project (also available from the website)
All the online material will be available also after the project ends.

All the material described above will available in English (project language) and depending on the material, also in partner countries' language depending on the need. This way we will reach and engage as many target groups transnationally as possible. A3.1 will lead to an output O3.1.

1,024 / 3,000 characters

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

O 3.1

Title of the output

Transnational web-site and Online short course with different topics

68 / 100 characters

Description of the output

The goal of O3.1 is that the project and its results will reach the widest possible group, taking into account the different target groups and BSR countries. The aim is to provide informative information to different target groups about the project's extensive data bank and the pilots and lessons learned from them.
O3.1 includes website, social media, newsletters and blogs, short online course and all these will be available after project ends.

449 / 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 Interest group Citizens (private owners of apartments and houses), housing associations in which natural persons are members, Real Estate Federation, etc. This target group is important in all partner countries of the project. They are very important in e.g. DK pilot B.	In O3.1 (all the material online) there will be informative educational material available on the A-, B- and C-pilots (themes such as technology, social, financial, ways to accelerate the green transition) and it covers website (reports and deliverables, short online courses). This output is informative for citizens evaluating green and cost-effective energy solutions. 371 / 1,000 characters
Target group 2 Small and medium enterprise Real estate companies and companies who own real estates. Industrial areas with SME companies, willingness and resources to obtain lower energy costs and green sustainable energy. These target groups appear in all partner countries, and are important e.g. in the FIN and EST pilot B.	In O3.1 (all the material online) there will be informative educational material available on the A-, B- and C-pilots (themes such as technology, social, financial, ways to accelerate the green transition) and it covers website (reports and deliverables, short online courses). This output is informative for SMEs evaluating green and cost-effective energy solutions. 368 / 1,000 characters
Target group 3 Infrastructure and public service provider Utility company of heat provider (Energy company, owned by municipalities). These target groups appear in all partner countries, but especially in SE, FIN and EST.	In O3.1 (all the material online) there will be informative educational material available on the A-, B- and C-pilots (themes such as technology, social, financial, ways to accelerate the green transition) and it covers website (reports and deliverables, short online courses). This output is informative for public service provider companies evaluating green and cost-effective energy solutions. 396 / 1,000 characters
Target group 4 Local public authority Cities and municipalities, National assembly of municipalities, Municipalities in DK2020 climate planning. These target groups are very important in FIN, EST, LT and DK.	In O3.1 (all the material online) there will be informative educational material available on the A-, B- and C-pilots (themes such as technology, social, financial, ways to accelerate the green transition) and it covers website (reports and deliverables, short online courses). This output is informative for municipalities evaluating green and cost-effective energy solutions. 377 / 1,000 characters

Durability of the output

The website and short online courses will be found online on our project website maintained by HAMK and will be available also after the project. HAMK is the project leader and it is a University of Applied Sciences located in Finland. All partners will be actively involved in A3.1 and O3.1 by reporting regularly project's activities, results, pilots etc.

358 / 1,000 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.1: Online communication material			■	■	■	■
O.3.1: Transnational web-site and Online short course with different topics						■

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 2 - Green Net Finland

A 3.2

5.6.2 Title of the group of activities

Transnational results dissemination via meta-RENCOP

52 / 100 characters

5.6.3 Description of the group of activities

The work of this GoA 3.2 is following from GoA 2.5 and focusing on the dissemination of the B-pilots results and summaries on those. As basis materials for this work will be used deliverables D.2.1-D.2.4. If feasible, this work will be started already before compiling D.2.5, e.g. in such status quo, if some of the pilots will proceed with development faster and provide results before the end of the second year of the project. In this GoA 3.2 meetings of the regional RE3Heat RENCOPs and other interaction types with stakeholders will be dedicated to taking up or/and upscaling solutions. Modes of the regional meetings/interactions will be adjusted to the preferences of the target groups. For the interregional/transnational external dimension of the work will be utilized the RE3Heat Linkedin account and transnational/meta-RENCOP meetings (online or physical). Results and lessons learned of the meta-RENCOP will be integrated into the final report of the project and also disseminated during the final event.

1,020 / 3,000 characters

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

O 3.2

Title of the output

Interactions with meta-RENCOP stakeholders

42 / 100 characters

Description of the output

Deliverables D.1.1 (learnings from A-pilot), D 1.2 (survey on existing decision making processes in municipalities, questionnaires to communities), D.1.3 (map of meta-RENCOP stakeholders for co-development of solutions) and D.2.5 (analysis of stakeholders and summarizing results of the B-pilots after two years of the project) will contribute to this output by presenting the introduction and the main part of the story of the interactions with meta-RENCOP stakeholders. A new part of the story - a summary of interactions of the regional RENCOP managing organizations and organizations participating in those - will be added as the final part. PP2/GNF will be responsible for making structure and compiling the story/report. All RC:s will contribute with their own regional input. The output O.3.2 will be delivered at the end of the project. This output will be formalized as a separate .pdf report Story of RE3Heat meta-RENCOP.

933 / 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 Interest group Citizens (private owners of apartments and houses), housing associations in which natural persons are members, Real Estate Federation, etc. This target group is important in all partner countries of the project. They are very important in e.g. DK pilot B.	Outcomes from interactions with representatives from other sectors and types of organizations will be utilized by this target group as a solid base for decision-making related to planned/needed investments. Knowledge and information based on diverse and neutral dialogue could be considered more trustable for the target group as e.g. given by a fully commercial solution provider. Knowledge will be used by the target group for finding a balance between their own and e.g. local public authorities and/or energy companies. Understanding of motivations of other target groups is also critical. 594 / 1,000 characters
Target group 2 Small and medium enterprise Real estate companies and companies who own real estates. Industrial areas with SME companies, willingness and resources to obtain lower energy costs and green sustainable energy. These target groups appear in all partner countries, and are important e.g. in the FIN and EST pilot B.	Outcomes from interactions with representatives from other sectors and types of organizations will be utilized by this type of SMEs as a solid base for an understanding of motivations and willingness of e.g. citizens and public service sector/municipalities to make investments into energy systems. Knowledge and information based on diverse and neutral dialogue could be considered more trustable for the target group as e.g. given by a fully commercial technology/installation services providers. Knowledge will be used by the target group for finding the best solution in technical, economic, environmental and societal terms. 631 / 1,000 characters
Target group 3 Infrastructure and public service provider Utility company of heat provider (Energy company, owned by municipalities). These target groups appear in all partner countries, but especially in SE, FIN and EST.	Outcomes from interactions with representatives from other sectors and types of organizations will be utilized by energy companies as a solid base for an understanding of the status quos in the real estate and housing sector. They will apply these understandings in e.g. planning of a new heating networks and estimating readiness of citizens owners of private houses and shareowners/members in housing companies/associations/cooperatives to be connected to already existing networks. Or they can also take into account these understandings when consider building a new type of heating network of a smaller scale with lower heating carrier temperatures based on heat pumps. 674 / 1,000 characters
Target group 4 Local public authority Cities and municipalities, National assembly of municipalities, Municipalities in DK2020 climate planning. These target groups are very important in FIN, EST, LT and DK.	Outcomes from interactions with representatives from other sectors and types of organizations will be utilized by the local public authorities (e.g. construction controlling, urban planning and climate/environment departments) in developing e.g. geothermal heating permission aspects and practices. They will also have access to opinions and views from e.g. energy technical/service solutions providers (SMEs) on how green transition could be accelerated e.g. in municipalities-owned public service buildings, assembly buildings, owned by municipalities housing properties (e.g. apartment rental services providers for citizens with low income). Cities/municipalities will also utilize outcomes and knowledge sharing in their own development/innovation projects and climate actions planning. 792 / 1,000 characters

Durability of the output

Three .pdf reports - stakeholder map, analysis of stakeholders and summarizing results of the B-pilots as well as story of RE3Heat meta-RENCOP - will be available online on the RE3Heat project website (managed by LP HAMK) as well as on the website of PP2/GNF also after the project. Developed further in the RE3Heat from the previous Co2mmunity BSR project meta-RENCOP model and managing process of this kind of cross-sector and cross-border partnership will serve different types of the target groups in the partner regions (FIN, EST, DK, SE and LT) by enhancing their capacities to participate into dialogue, co-create, co-evaluate and co-adjust solutions for tackling challenges related to financial, environmental/climate and societal issues of community heating systems. Partners RENCOP managers/coordinators will utilize accumulated experience and skills in facilitating process of interactions also after the project.

925 / 1,000 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.2: Transnational results dissemination via meta-RENCOP						
O.3.2: Interactions with meta-RENCOP stakeholders						

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 5 - Lithuanian Energy Institute

A 3.3

5.6.2 Title of the group of activities

Events

6 / 100 characters

5.6.3 Description of the group of activities

In A3.3, the aim is to organize project events throughout the project (starting from the 2nd period). Events include local events, seminars and webinars. Seminars and webinars are held nationally and for an international audience depending on the event. Events are organized for all target groups of the project and the goal is to organize events so that different target groups meet at the events and we get a valuable exchange of ideas.
The events will present the pilots, the results of the project, and the exchange of ideas on these.
A3.3 results are presented in D3.3 where events are analyzed (e.g., set of participants, participant surveys, etc.).
The A3.3 responsible partner is PP5 but all partners are involved in organizing an event.

746 / 3,000 characters

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

D 3.3

Title of the deliverable

Analysis of events

19 / 100 characters

Description of the deliverable

This report summarizes the events in Activity A3.3 and reports the results of the event analyzes. The number of participants involved and the results of a short feedback survey on the events are analyzed from the events. Based on the feedback survey, it is possible to develop events in the desired direction already during the project.

336 / 2,000 characters

Which output does this deliverable contribute to?

O3.1 Transnational web-site and Online short course with different topics

73 / 100 characters

5.6.6 Timeline

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 3 - Sykli Environmental School of Finland

A 3.4

5.6.2 Title of the group of activities

Finding suitable locations for C-pilots

39 / 100 characters

5.6.3 Description of the group of activities

The goal of the RE3 Heat project is that renewable cost-effective local heating solutions become more widespread as quickly as possible. In A3.4, together with the target groups and stakeholder groups, the results of the project results in A- and B-pilots will be analyzed and the following sites will be searched for future similar investments. These sites will be best available locations that would benefit from technological solutions implemented in B-Pilots and learned from A-Pilots and in this project they are called C-pilots.
A3.4 includes following activities:
- meetings and workshops with target groups and stakeholder groups
- planning of locations for C-pilot sites including transnational co-operation and learnings from partner countries internationally. The target is to find 10-15 C-pilots and all the target groups will be considered.
- catalog of best locations and short descriptions with arguments for C-pilots' solutions and locations (available online O3.1)

987 / 3,000 characters

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

D 3.4

Title of the deliverable

Catalog with recommendations of C-pilots

41 / 100 characters

Description of the deliverable

In D3.4 the recommendations for the best locations to implement next sustainable, cost-effective local heating solutions will be given. The form of D3.4 is a catalog with short descriptions and arguments and this will be available in project's website (O3.1). Transnational co-operation with partners and stakeholder groups will be hosted and learnings from transnational pilots will be utilized.

399 / 2,000 characters

Which output does this deliverable contribute to?

O3.1 Transnational web-site and Online short course with different topics, O3.5

80 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.4: Finding suitable locations for C-pilots						
D.3.4: Catalog with recommendations of C-pilots						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 3 Group of activities 3.5

5.6.1 Group of activities leader

Group of activities leader PP 5 - Lithuanian Energy Institute

A 3.5

5.6.2 Title of the group of activities

Recommendations and final report

32 / 100 characters

5.6.3 Description of the group of activities

A3.5 focus on the final recommendations of the project. This includes summarizing everything learned in the project in a form that is understandable to the target groups. Here the focus is on the main issue of the project: how to accelerate the green transition of heating systems. The work will be done transnationally with partners. An international project team is of great value so that we can transfer good practices from one country to another. The themes to be addressed for each target group and through the pilots learned are:
- technological solutions of green, sustainable and cost-effective heating solutions
- co-operation models and social aspects
- financial motivation of green, sustainable and cost-effective heating solutions
- the role of municipalities on how to accelerate green transition.

A3.5 is the grande finale of the project and A3.5 mainly concentrate on the work done by the partners. All other work is already done in other activities throughout the project. The recommendations will be presented in the final event (O3.1 and O3.3).

1,068 / 3,000 characters

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

O 3.5

Title of the output

Recommendations and final report - Accelerating green transition

64 / 100 characters

Description of the output

O3.5 summarizes the final recommendations of the project as a form of report, short online video (educational) as well as presented in events (ie. seminars, webinars). This includes summarizing everything learned in the project in a form that is understandable to the target groups. As a form of output, O3.5 will be part of O3.1.
The themes to be addressed for each target group and through the pilots learned are:
- technological solutions of green, sustainable and cost-effective heating solutions
- co-operation models and social aspects
- financial motivation of green, sustainable and cost-effective heating solutions
- the role of municipalities on how to accelerate green transition.

696 / 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 Interest group Citizens (private owners of apartments and houses), housing associations in which natural persons are members, Real Estate Federation, etc. This target group is important in all partner countries of the project. They are very important in e.g. DK pilot B.	O3.5 summarizes the final recommendations of the project. This includes summarizing everything learned in the project in a form that is understandable to the target groups. 173 / 1,000 characters
Target group 2 Small and medium enterprise Real estate companies and companies who own real estates. Industrial areas with SME companies, willingness and resources to obtain lower energy costs and green sustainable energy. These target groups appear in all partner countries, and are important e.g. in the FIN and EST pilot B.	O3.5 summarizes the final recommendations of the project. This includes summarizing everything learned in the project in a form that is understandable to the target groups. 173 / 1,000 characters
Target group 3 Infrastructure and public service provider Utility company of heat provider (Energy company, owned by municipalities). These target groups appear in all partner countries, but especially in SE, FIN and EST.	O3.5 summarizes the final recommendations of the project. This includes summarizing everything learned in the project in a form that is understandable to the target groups. 173 / 1,000 characters
Target group 4 Local public authority Cities and municipalities, National assembly of municipalities, Municipalities in DK2020 climate planning. These target groups are very important in FIN, EST, LT and DK.	O3.5 summarizes the final recommendations of the project. This includes summarizing everything learned in the project in a form that is understandable to the target groups. 173 / 1,000 characters

Durability of the output

O3.5 will be available online in project's website (part of O3.1). The website will be hosted and updated by project leader HAMK, which is a University of Applied Sciences located in Finland.

191 / 1,000 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.5: Recommendations and final report						
O.3.5: Recommendations and final report - Accelerating green transition						

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	4	N/A	N/A	**RCR 104 - Solutions taken up or up-scaled by organisations**	3	Partnership internal Associates and other external organizations will upscale/take up each of the developed solutions in B-pilots: - Developed in B-pilot low-temperature district heating (LTDH) system utilizing seawater as a heat source to residential area and forming “a heating community” between different buildings and building owners as well as clarified financial motivation of green local energy systems to communities in Estonia will be taken up by local public authorities and urban environments developers in other seashore cities/municipalities of BSR. - Developed in B-pilot in Kanta-Häme region of Finland the solution to change the heating system in the municipality-owned buildings currently heated by fossil fuels to the best available heating source using renewable local energy and forming “a heating community” between different buildings and building owners as well as clarified financial motivation of green local energy systems to communities and taking into account the taxonomy will be taken by municipalities of other BSR. - Solution developed in B-pilot and implemented investment in a local heating system 5G LTDH “Thermonet” in a rural residential area in Denmark is based heavily on the citizen engagement and participation with respect of the village's heritage and target group values. This pilot solution will be taken up by citizens and municipalities of other rural areas of BSR. -Developed in B-pilot in Växjö in the southeast part of Sweden LTDH solutions in two locations - already existing residential area and one new-built residential area - give new opportunities for existing DH systems to optimize production targeting in more available electricity and lower fuel consumption. The benefit of LTDH systems for local heating solutions is that the integration between these two energy systems (e.g., two-way district heating systems) is more feasible. This solution will be taken by energy infrastructure providers of BSR. 1,976 / 2,000 characters
RCO 116 – Jointly developed solutions	3	O.3.1: Transnational web-site and Online short course with different topics	The website (reports, newsletters, online short course, pilot descriptions and learnings) is significant because it will serve the target groups also after the end of project. All target groups can utilize these. O3.1 makes a long-term impact in the green transition since all the material in O3.1 will be available online also after project ends. 348 / 1,000 characters			
		O.3.2: Interactions with meta-RENCOP stakeholders	The Meta-RENCOP process serves the target groups in a way that it utilizes cross-border and cross sector target groups at the same time. This is important to create this kind of dialogue. The Meta-RENCOP process serves as a tool for finding a balance between interest of different target groups, as well as adds understanding of the motivation of green investments of target groups. 383 / 1,000 characters			
		O.3.5: Recommendations and final report - Accelerating green transition	O3.5 combines the essential results of the project by answering the core challenges for all target groups and wider dissemination in all BSR countries. Recommendations are based on concrete pilots (A-, B- and C-pilots). They serve as best practices of green solutions, investments and their implementation. O3.5 makes a long-term impact in the green transition since all the material in O3.5 will be available online also after project ends. 442 / 1,000 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	26	**PSR 1 - Organisations with increased institutional capacity due to their participation in cooperation activities across borders**	100	Project partners and associated organisations	The project has already involved 25 organisations. They represent citizens who are interested in green energy projects, municipalities, infrastructure and services providers, energy agencies, universities and education / training school, business support organization, other interest group (associations), SMEs and national public organisations. 349 / 1,500 characters
				Other organisations	We have already preliminary planned to invite real estate federations, property management associations, other municipalities of the project regions, business support companies, research and education organization, as well as national authorities to our meta-RENCOP groups. 273 / 1,500 characters

7. Budget

7.0 Preparation costs

Preparation Costs

Would you like to apply for reimbursement of the preparation costs?	Yes

Other EU support of preparatory cost

Did you receive any other EU funds specifically designated to the development of this project application?	No

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

No. & role	Partner name	Partner status	CAT0 - Preparation costs	CAT1 - Staff	CAT2 - Office & administration
1 - LP	Häme University of Applied Sciences (HAMK)	Active 22/09/2022	12,000.00	484,032.00	72,604.80
2 - PP	Green Net Finland	Active 22/09/2022	12,000.00	213,625.00	32,043.75
3 - PP	Sykli Environmental School of Finland	Active 22/09/2022	0.00	197,000.00	29,550.00
4 - PP	Tartu Regional Energy Agency	Active 22/09/2022	0.00	239,703.00	35,955.45
5 - PP	Lithuanian Energy Institute	Active 22/09/2022	0.00	188,640.00	28,296.00
6 - PP	Linnaeus University	Active 22/09/2022	0.00	200,000.00	30,000.00
7 - PP	Municipality of Middelfart	Active 22/09/2022	0.00	180,000.00	27,000.00
Total			24,000.00	1,703,000.00	255,450.00

No. & role	Partner name	CAT3 - Travel & accommodation	CAT4 - External expertise & services	CAT5 - Equipment	CAT6 - Infrastucture & works
1 - LP	Häme University of Applie	72,604.80	25,000.00	0.00	0.00
2 - PP	Green Net Finland	32,043.75	8,000.00	0.00	0.00
3 - PP	Sykli Environmental Scho	29,550.00	0.00	3,900.00	0.00
4 - PP	Tartu Regional Energy A	35,955.45	50,200.00	4,000.00	0.00
5 - PP	Lithuanian Energy Institut	28,296.00	11,500.00	4,240.00	0.00
6 - PP	Linnaeus University	30,000.00	70,000.00	0.00	0.00
7 - PP	Municipality of Middelfart	27,000.00	16,000.00	374,000.00	0.00
Total		255,450.00	180,700.00	386,140.00	0.00

No. & role	Partner name	Total partner budget
1 - LP	Häme University of Applied Sciences (HAMK)	666,241.60
2 - PP	Green Net Finland	297,712.50
3 - PP	Sykli Environmental School of Finland	260,000.00
4 - PP	Tartu Regional Energy Agency	365,813.90
5 - PP	Lithuanian Energy Institute	260,972.00
6 - PP	Linnaeus University	330,000.00
7 - PP	Municipality of Middelfart	624,000.00
Total		2,804,740.00

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. Häme University	Specialist support	CAT4-PP1-E-0	Technical expertise to B-pilot in Finland (A2.1) specifying technical solution. 79 / 100 characters	No	2.1	25,000.00
6. Linnaeus Universi	Specialist support	CAT4-PP6-E-0	Technical expertise to B-pilot. dissemination of results, facilitation of regional meta-RENCOP. 96 / 100 characters	No	1.3 2.3 2.5 3.2	70,000.00
7. Municipality of Mi	Specialist support	CAT4-PP7-E-0	Technical expertise to B-pilot (A2.2). 38 / 100 characters	No	2.2	16,000.00
2. Green Net Finlan	Specialist support	CAT4-PP2-E-0	External experts in A2.5 are invited to co-evaluation and co-adjustment of the B-pilots. 88 / 100 characters	No	2.5	5,000.00
4. Tartu Regional E	Specialist support	CAT4-PP4-E-0	Technical expertise to B-pilot (A2.4). 38 / 100 characters	No	2.4	50,200.00
5. Lithuanian Energ	Events/meetings	CAT4-PP5-A-0	Organizing the final event (A3.3), final report 47 / 100 characters	No	3.3 3.5	11,500.00
2. Green Net Finlan	Events/meetings	CAT4-PP2-A-0	Summarizing of WP2, transnational meta-RENCOP meeting. 54 / 100 characters	No	2.5	3,000.00
	Total					180,700.00

7.1.2 Equipment

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
7. Municipality of Mi	Other specific equip	CAT5-PP7-H-0	Specific equipments for B-pilot in Denmark in A2.2 50 / 100 characters	Yes	I2.2_1	374,000.00	
3. Svkli Environmen	Other specific equip	CAT5-PP3-H-0	Specific equipment for online video course (A3.1) 49 / 100 characters	No	3.1	3,900.00	
4. Tartu Regional E	Other specific equip	CAT5-PP4-H-0	Specific equipment for B-pilot in Estonia in A2.4 49 / 100 characters	No	2.4	4,000.00	
5. Lithuanian Energ	Other specific equip	CAT5-PP5-H-0	Specific equipment 19 / 100 characters	No	3.5	4,240.00	
	Total					386,140.00	

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	

7.1.4 Investment summary

Investment item no.	Investment title	Total planned value
I2.2_1	Renewable energy system, A2.2 B-pilot, Denmark	374,000.00

Investment no. I2.2_1 - Renewable energy system, A2.2 B-pilot, Denmark

Contracting partner	Planned contract value
7. Municipality of Middelfart	374,000.00

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	Häme University of Applied Sciences (HAMK)	Active 22/09/2022	FI	ERDF	80.00 %	666,241.60	532,993.28	133,248.32	For each partner, the State aid relevance and applied aid measure are defined in the **State aid section**
2-PP	Green Net Finland	Active 22/09/2022	FI	ERDF	80.00 %	297,712.50	238,170.00	59,542.50	
3-PP	Sykli Environmental School of Finland	Active 22/09/2022	FI	ERDF	80.00 %	260,000.00	208,000.00	52,000.00	
4-PP	Tartu Regional Energy Agency	Active 22/09/2022	EE	ERDF	80.00 %	365,813.90	292,651.12	73,162.78	
5-PP	Lithuanian Energy Institute	Active 22/09/2022	LT	ERDF	80.00 %	260,972.00	208,777.60	52,194.40	
6-PP	Linnaeus University	Active 22/09/2022	SE	ERDF	80.00 %	330,000.00	264,000.00	66,000.00	
7-PP	Municipality of Middelfart	Active 22/09/2022	DK	ERDF	80.00 %	624,000.00	499,200.00	124,800.00	
Total ERDF						2,804,740.00	2,243,792.00	560,948.00	
Total						2,804,740.00	2,243,792.00	560,948.00	

7.3 Spending plan per reporting period

	EU partners (ERDF)		Total	
	Total	Programme co-financing	Total	Programme co-financing
Preparation costs	24,000.00	19,200.00	24,000.00	19,200.00
Period 1	387,165.00	309,732.00	387,165.00	309,732.00
Period 2	410,115.00	328,092.00	410,115.00	328,092.00
Period 3	814,065.00	651,252.00	814,065.00	651,252.00
Period 4	402,965.00	322,372.00	402,965.00	322,372.00
Period 5	394,288.00	315,430.40	394,288.00	315,430.40
Period 6	372,142.00	297,713.60	372,142.00	297,713.60
Total	2,804,740.00	2,243,792.00	2,804,740.00	2,243,792.00