1. Identification

Call	Date of submission
C1	26/04/2022

1.1. Full name of the project

Comprehensive wood parity tool for policy makers to find balanced use of bioresources to reach energy independence and climate neutrality "WooP App"

148 / 250 characters

1.2. Short name of the project

COMPASS

7 / 20 characters

1.3. Programme priority

3. Climate-neutral societies

1.4. Programme objective

3.1 Circular economy

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

Project tackles the complexity of optimizing wood and wood residue use to promote their circularity and find a balance between use for energy and higher value-added products. To tackle the large-scale changes for economy transition to circular bioeconomy corresponding policies need to be developed. Nevertheless, it is hard to develop policies for such complex issues, as it is impossible to comprehend system interactions and response of actions as system delays are common in bioeconomy, making it harder to observe the implications. Nevertheless, policymakers demand that the effects of a complex system are depicted in a comprehensible way. This can be done by interactive application based on the system dynamics model. The lack of available data and information holds policy and decision-makers back. A user-friendly online application for policy planners and decision-makers will help them make more guided and evidence-based decisions. To develop a functioning online application, events on system dynamics modeling and online application development will take place. During these events, experts and end-users will work together to bring the solution to practice. As an outcome an online application will be developed, helping stakeholders evaluate scenario impact on their chosen criteria, e.g., determine how much CO2 is sequestered in higher-value products and whether remaining residues from logging and product manufacturing are sufficient to meet the country's energy needs.

1,490 / 1,500 characters

1.8. Summary of the partnership

Policymakers in the Baltic Sea region are under increasing pressure to move towards energy independence. Therefore, national ministries and municipalities will be involved as associate partners to develop a functional and practical tool to support the development of coherent and evidence-based policies. Partner Latgale Planning Region (LPR) will link local municipalities and entrepreneurs. The LPR will also be involved in all development and testing stages of the Wood parity online application, representing policymakers and regional public bodies.
Research institutions from Finland, Estonia, Latvia, and Poland, representing the countries with considerable forest and wood resources. Project coordinator RTU's Institute of Energy Systems and Environment (IESE) has extensive knowledge of sustainable and innovative use of forest resources, bioresource valuation and system dynamics modelling. IESE has experience in energy and renewable energy fields and works successfully with ministries, private and public forest owners. Another state research institution form Latvia - The Institute of Electronics and Computer Science (EDI) conducting fundamental and applied research is part of the consortium. One of the areas of EDI is ICT including Remote sensing (RS) and space data processing.
Involved partners will cover considerable geographical are of the Baltic Sea region with easily accessible forests and wood residues. Existing IESE's system dynamics models will be combined in a new model and supplemented with BioReg model developed by project partners from Poland – Institute of Soil Science and Plant Cultivation - State Research Institute (ISSPC). BioReg model includes wood waste from municipal waste, construction and demolition wood, waste wood from industry. BioReg sub-model will describes detailed flows of forest residues. In addition, ISSPC is working with Ministries on agricultural and forestry policy development, hence will ensure policy maker involvement in group model building and piloting of the online application.
The Natural Resources Institute of Finland (Luonnonvarakeskus, LUKE) will make use of its long experience with Life Cycle Assessment to ensure adequate product inventories for the Wood parity online application. LUKE leads and participates in a number of projects related to the transition to sustainable development. There is also a long-established close collaboration between LUKE and forest owners and other actors in the forestry value chains. Estonian University of Life Sciences has forest management expertise, ensuring relevant expert inputs into system dynamics model. The Estonian University of Life Sciences has been studying carbon storage in forest ecosystems and forest stock in BSR.
Łukasiewicz - Poznański Instytut Technologiczny (LPT) will cover industry experts from "Interest group". LPT has established a strong collaboration with Poland's woodworking industry and will ensure expert involvement in group model building events.

2,998 / 3,000 characters

1.11. Project Budget Summary

Financial resources [in EUR]		Preparation costs	Planned project budget
ERDF	ERDF co-financing	0.00	1,380,462.17
	Own contribution ERDF	0.00	345,115.55
	ERDF budget	0.00	1,725,577.72
NO	NO co-financing	0.00	0.00
	Own contribution NO	0.00	0.00
	NO budget	0.00	0.00
NDICI	NDICI co-financing	0.00	0.00
	Own contribution NDICI	0.00	0.00
	NDICI budget	0.00	0.00
RU	RU co-financing	0.00	0.00
	Own contribution RU	0.00	0.00
	RU budget	0.00	0.00
TOTAL	**Total Programme co-financing**	0.00	1,380,462.17
	Total own contribution	0.00	345,115.55
	Total budget	0.00	1,725,577.72

2. Partnership

2.1. Overview: Project Partnership

2.1.1 Project Partners

No.	LP/PP	Organisation (English)	Organisation (Original)	Country	Type of partner	Legal status	Partner budget in the project	Active/inactive	
								Status	from
1	LP	Riga Technical University	Rīgas Tehniskā universitāte	LV	Higher education and research institution	a)	448,439.32 €	Active	22/09/2022
2	PP	Natural Resources Institute Finland	Luonnonvarakeskus (LUKE)	FI	Higher education and research institution	a)	243,649.60 €	Active	22/09/2022
3	PP	INSTITUTE OF SOIL SCIENCE AND PLANT CULTIVATION RESEARCH STATE INSTITUTE	INSTYTUT UPRAWY NAWOŻENIA I GLEBOZNAWSTWA – PAŃSTWOWY INSTYTUT BADAWCZY	PL	Higher education and research institution	a)	201,700.00 €	Active	22/09/2022
4	PP	Estonian University of Life Sciences	Eesti Maaülikool	EE	Higher education and research institution	a)	200,000.00 €	Active	22/09/2022
5	PP	Institute of Electronics and Computer Science	Elektronikas un datorzinātņu institūts	LV	Higher education and research institution	a)	240,340.80 €	Active	22/09/2022
6	PP	Latgale planning region	Latgales plānošanas reģions	LV	Regional public authority	a)	234,408.00 €	Active	22/09/2022
7	PP	ŁUKASIEWICZ RESEARCH NETWORK - POZNAŃ INSTITUTE OF TECHNOLOGY	Sieć Badawcza Łukasiewicz - Poznański Instytut Technologiczny	PL	Higher education and research institution	a)	157,040.00 €	Active	22/09/2022

2.1.2 Associated Organisations

No.	Organisation (English)	Organisation (Original)	Country	Type of Partner
AO 1	ALTUM	ALTUM	LV	Business support organisation
AO 2	Latvian Bioenergy Association	Latvijas Bioenerģijas asociācija	LV	Interest group
AO 3	Gulbene Municipality	Gulbenes pašvaldība	LV	Local public authority
AO 4	Preili Municipality	Preiļu pašvaldība	LV	Local public authority
AO 5	Riga Energy Agency	Rīgas Enerģētikas asociācija	LV	Sectoral agency
AO 6	Rezekne Business Association	Rēzeknes Biznesa asociācija	LV	Business support organisation
AO 7	Association of Producers of Wood-based Panels in Poland	Stowarzyszenie Producentów Płyt Drewnopochodnych w Polsce	PL	Interest group
AO 8	The Polish Economic Chamber of Wood Industry	Polska Izba Gospodarcza Przemysłu Drzewnego	PL	Business support organisation
AO 9	State Forest Management Centre	Riigimetsa majandamise keskus	EE	Interest group

2.2 Project Partner Details - Partner 1

LP/PP Lead Partner

Partner Status Active

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

Partner name:

Organisation in original language	Rīgas Tehniskā universitāte (27 / 250 characters)
Organisation in English	Riga Technical University (25 / 250 characters)
Department in original language	Vides aizsardzības un siltuma sistēmu institūts (47 / 250 characters)
Department in English	Institute of Energy Systems and Environment (43 / 250 characters)

Partner location and website:

Address	Azenes Street 12/1 (18 / 250 characters)	**Country**	Latvia
Postal Code	LV-1048 (7 / 250 characters)	**NUTS1 code**	Latvija
Town	Riga (4 / 250 characters)	**NUTS2 code**	Latvija
Website	https://www.rtu.lv/ (19 / 100 characters)	**NUTS3 code**	Rīga

Partner ID:

Organisation ID type	Unified registration number (Vienotais reģistrācijas numurs)
Organisation ID	90000068977
VAT Number Format	LV + 11 digits
VAT Number	**N/A** ☐ LV90000068977 (13 / 50 characters)
PIC	(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)	72.19 - Other research and experimental development on natural sciences and engineering	

Partner financial data:

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

Role of the partner organisation in this project:

Rigs Technical University's Institute of Energy Systems and Environment has extensive experience on system dynamics modeling (SDM) in energy and bioeconomy. Close collaboration with local municipalities, and ministries will ensure success on involving actors from target groups in all three work packages. Partner will provide expertise on SDM to all the other partners to insure successful group modeling sessions in all partner countries. RTU IESE has project management experience in more than 26 international projects as a project coordinator, including seven Horizon 2020 projects and will ensure collaboration and excellent communication between project partners.

670 / 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	Luonnonvarakeskus (LUKE) (24 / 250 characters)
Organisation in English	Natural Resources Institute Finland (35 / 250 characters)
Department in original language	Biotalous ja ympäristö (22 / 250 characters)
Department in English	Bioeconomy and Environment (26 / 250 characters)

Partner location and website:

Address	Latokartanonkaari 9 (19 / 250 characters)	**Country**	Finland
Postal Code	00790 (5 / 250 characters)	**NUTS1 code**	Manner-Suomi
Town	Helsinki (8 / 250 characters)	**NUTS2 code**	Helsinki-Uusimaa
Website	www.luke.fi (11 / 100 characters)	**NUTS3 code**	Helsinki-Uusimaa

Partner ID:

Organisation ID type	Business Identity Code (Y-tunnus)
Organisation ID	0244629-2
VAT Number Format	FI + 8 digits
VAT Number	**N/A** ☐ FI02446292 (10 / 50 characters)
PIC	934887262 (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) 72.11 - Research and experimental development on biotechnology

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:

Life Cycle Assessment (LCA) for biobased material is essential to ensure a sustainable use of renewable resources. LUKE's SUST group specializes in bioeconomy assessment and developing the LCA framework for such products, including looking at the question of biogenic carbon and biodiversity impacts. Previous projects include LCA work on PackageHeroes, ValueBioMat (Academy of Finland), and Bio-LCA (BusinessFinland). Inputs from this PP2 will be crucial for product data normalization and system dynamics (SD) model supplementation with data, ensuring comprehensiveness of the SD model.

588 / 1,000 characters

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

○ Yes ○ No

State aid relevance

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

○ Yes ○ No

2.2 Project Partner Details - Partner 3

LP/PP Project Partner

Partner Status Active

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

Partner name:

Organisation in original language INSTYTUT UPRAWY NAWOŻENIA I GLEBOZNAWSTWA – PAŃSTWOWY INSTYTUT BADAWCZY

71 / 250 characters

Organisation in English INSTITUTE OF SOIL SCIENCE AND PLANT CULTIVATION RESEARCH STATE INSTITUTE

72 / 250 characters

Department in original language ZAKŁAD BIOGOSPODARKI I ANALIZ SYSTEMOWYCH

42 / 250 characters

Department in English DEPARTMENT OF BIOECONOMY AND SYSTEMS ANALYSIS

46 / 250 characters

Partner location and website:

Address CZARTORYSKICH 8

15 / 250 characters

Postal Code 00790

5 / 250 characters

Town PUŁAWY

6 / 250 characters

Website en.iung.pl

10 / 100 characters

Country Poland

NUTS1 code Makroregion wschodni

NUTS2 code Lubelskie

NUTS3 code Puławski

Partner ID:

Organisation ID type	Tax identification number (NIP)
Organisation ID	7160004281
VAT Number Format	PL + 10 digits
VAT Number	N/A ☐ PL7160004281 (12 / 50 characters)
PIC	998139604 (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:

The Institute (IUNG) has significantly contributed to agro-environmental science progress in Poland. IUNG provides policy support to the Ministry of Agriculture and Rural Development. The scope of Institute activities is directed both to scientific research and to the elaboration of integrated information systems and decision support systems for farmers and policymakers. Previous research on production potential and logistics of wood-based products will be implemented in this project.
The Department of Bioeconomy and Systems Analysis is co-creating regional bioeconomy development strategies linked to different initiatives at local, national, and Central and Eastern Europe level. Project COMPASS will benefit from the close collaboration with the Ministry of Agriculture and Rural Development as IUNG is working with the Ministry on preparing climate-smart agriculture policy. Close collaboration with the Ministry will ensure project results implementation in policy development.

989 / 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 4

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

Partner name:

Organisation in original language	Eesti Maaülikool (16 / 250 characters)
Organisation in English	Estonian University of Life Sciences (36 / 250 characters)

Department in original language	Metsanduse ja inseneeria instituut (34 / 250 characters)
Department in English	Institute of Forestry and Engineering (37 / 250 characters)

Partner location and website:

Address	Kreutzwaldi 1 (13 / 250 characters)	**Country**	Estonia
Postal Code	51006 (5 / 250 characters)	**NUTS1 code**	Eesti
Town	Tartu (5 / 250 characters)	**NUTS2 code**	Eesti
Website	www.emu.ee (10 / 100 characters)	**NUTS3 code**	Lõuna-Eesti

Partner ID:

Organisation ID type	Registration code (Registrikood)
Organisation ID	74001086
VAT Number Format	EE + 9 digits
VAT Number	**N/A** ☐ EE100018015 (11 / 50 characters)
PIC	999857280 (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

Role of the partner organisation in this project:

PP4 will cover forest management expertise, ensuring relevant expert inputs into system dynamics model. PP4 have been studying carbon storage in forest ecosystems and forest stock in BSR.

187 / 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	Elektronikas un datorzinātņu institūts (38 / 250 characters)
Organisation in English	Institute of Electronics and Computer Science (45 / 250 characters)
Department in original language	Kosmosa tehnoloģiju laboratorija (32 / 250 characters)
Department in English	Space technology laboratory (27 / 250 characters)

Partner location and website:

Address	Dzerbenes street 14 (19 / 250 characters)	**Country**	Latvia
Postal Code	LV1006 (6 / 250 characters)	**NUTS1 code**	Latvija
Town	Riga (4 / 250 characters)	**NUTS2 code**	Latvija
Website	www.edi.lv (10 / 100 characters)	**NUTS3 code**	Rīga

Partner ID:

Organisation ID type	Unified registration number (Vienotais reģistrācijas numurs)
Organisation ID	90002135242
VAT Number Format	LV + 11 digits
VAT Number	N/A ☐ LV90002135242 (13 / 50 characters)
PIC	997829883 (9 / 9 characters)

Partner type:

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

Partner financial data:

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

Role of the partner organisation in this project:

PP 5 is a state research institute conducting fundamental and applied research. One of the areas is ICT including Remote sensing and space data processing. Starting from 2010, EDI is developing methods, algorithms and software for forest analysis from RS data including the identification of tree species and stock volume.

A part of the project involves processing remote sensing data to estimate the available wood biomass (WoodStock) that will improve the quality of information available to policymakers. Recently finished project "Satellite remote sensing-based forest stock estimation technology" was aimed at the development of a prototype technology for estimation of forest stock volume (FSV). As a result, software prototypes for tree species classification and FSV calculation were developed and can be used for estimation of FSV from publicly available data, namely laser scanning data of the territory, Sentinel-2 satellite images and sparse forest inventory data available for the area.

1,000 / 1,000 characters

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

○ Yes ○ No

State aid relevance

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

○ Yes ○ No

2.2 Project Partner Details - Partner 6

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

Partner name:

Organisation in original language	Latgales plānošanas reģions (27 / 250 characters)
Organisation in English	Latgale planning region (23 / 250 characters)
Department in original language	Latgales uzņēmējdarbības centrs, Attīstības, plānošanas un projektu ieviešanas nodaļa (85 / 250 characters)
Department in English	Latgale Entrepreneurship Centre, Development, Planning and Project Implementation Department (92 / 250 characters)

Partner location and website:

Address	Atbrivosanas avenue 95 (22 / 250 characters)	**Country**	Latvia
Postal Code	LV-4601 (7 / 250 characters)	**NUTS1 code**	Latvija
Town	Rezekne (7 / 250 characters)	**NUTS2 code**	Latvija
Website	lpr.gov.lv (10 / 100 characters)	**NUTS3 code**	Latgale

Partner ID:

Organisation ID type	Unified registration number (Vienotais reģistrācijas numurs)
Organisation ID	90002181025
VAT Number Format	LV + 11 digits
VAT Number	N/A ☑
	0 / 50 characters
PIC	
	0 / 9 characters

Partner type:

Legal status	a) Public	
Type of partner	Regional public authority	Regional council, 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:

The Latgale planning region is involved in the project as a project partner and will be responsible for project activities in the Latgale region. Latgale planning region will link local municipalities and entrepreneurs by organising meetings, seminars and study trips. The Latgale planning region will also be involved in all development and testing stages of the Wood parity online application "WooP App", representing policymakers and regional public bodies. One of the roles will be the dissemination of project results, informing target groups - "National public bodies", "Regional public bodies", and "Interest groups" by organising regional events and preparing a video.

676 / 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 7

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

Partner name:

Organisation in original language	Sieć Badawcza Łukasiewicz - Poznański Instytut Technologiczny
	61 / 250 characters
Organisation in English	ŁUKASIEWICZ RESEARCH NETWORK - POZNAŃ INSTITUTE OF TECHNOLOGY
	61 / 250 characters
Department in original language	Sieć Badawcza Łukasiewicz - Poznański Instytut Technologiczny
	61 / 250 characters
Department in English	ŁUKASIEWICZ RESEARCH NETWORK - POZNAŃ INSTITUTE OF TECHNOLOGY
	61 / 250 characters

Partner location and website:

Address	ul. Ewarysta Estkowskiego 6 27 / 250 characters	**Country**	Poland
Postal Code	61-755 6 / 250 characters	**NUTS1 code**	Makroregion północno-zachodni
Town	Poznań 6 / 250 characters	**NUTS2 code**	Wielkopolskie
Website	pit.lukasiewicz.gov.pl 22 / 100 characters	**NUTS3 code**	Miasto Poznań

Partner ID:

Organisation ID type	Tax identification number (NIP)
Organisation ID	7831822694
VAT Number Format	PL + 10 digits
VAT Number	**N/A** ☐ PL7831822694 12 / 50 characters
PIC	892369446 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:

Łukasiewicz - PIT will play a role in collecting and processing data from various wood processing plants, including mechanical wood processing plants, wood-based panels plants, plants producing wooden windows and doors, floors, furniture, packaging wooden, and elements of garden architecture, as well as from plants processing various types of wood to generate energy. The Institute will also ensure collaboration with many companies from the wood industry (producers of wood-based panels, construction wood, doors, windows, floors, wooden packaging, and other wood products). It will be involved in group model-building sessions. In addition, the Institute will arrange experience exchange for woodworking industries from project countries. It will organize the meetings (sessions) during which the group model will be discussed and built based on the experience gained.

872 / 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

2.3 Associated Organisation Details - AO 1

Associated organisation name and type:

Organisation in original language: ALTUM (5 / 250 characters)

Organisation in English: ALTUM (5 / 250 characters)

Department in original language: Uzņēmumu energoefektivitātes daļa (33 / 250 characters)

Department in English: Enterprise Energy Efficiency Division (37 / 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: Doma laukums 4 (14 / 250 characters)

Country: Latvia

Postal Code: LV-1050 (7 / 250 characters)

Town: Riga (4 / 250 characters)

Website: www.altum.lv (12 / 100 characters)

Role of the associated organisation in this project:

ALTUM is a state-owned development finance institution, which offers state aid for various target groups with the help of financial tools (such as loans, credit guarantees, investing in venture capital funds, etc.). ALTUM develops and implements state aid programmes to compensate for the market's shortcomings that can't be solved by private financial institutions. ALTUM will represent Business support organization's target group.

433 / 1,000 characters

2.3 Associated Organisation Details - AO 2

Associated organisation name and type:

Organisation in original language: Latvijas Bioenerģijas asociācija
32 / 250 characters

Organisation in English: Latvian Bioenergy Association
29 / 250 characters

Department in original language: Valde
5 / 250 characters

Department in English: Board
5 / 250 characters

Legal status: b) Private

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

Associated organisation location and website:

Address: Skaistkalnes street 1
21 / 250 characters

Country: Latvia

Postal Code: LV-1004
7 / 250 characters

Town: Riga
4 / 250 characters

Website: epc.bioenergyeurope.org
23 / 100 characters

Role of the associated organisation in this project:

Association will provide expert assistance during group model building sessions. In addition, this AP will contribute as a contact point for association members and cooperation partners;
- advising consortium partners in developing and testing the Wood parity online application;
- help promote the Wood parity online application within the project to association members and cooperation partners for testing and feedback to improve the application;
- providing informational support for seminars and workshops organised by project partners on the use of bioresources to create higher value-added products and the transition to a circular economy;
- participate in stakeholder activities during the time of the project.

719 / 1,000 characters

2.3 Associated Organisation Details - AO 3

Associated organisation name and type:

Organisation in original language: Gulbenes pašvaldība
19 / 250 characters

Organisation in English: Gulbene Municipality
21 / 250 characters

Department in original language: Novada dome
11 / 250 characters

Department in English: Municipality council
20 / 250 characters

Legal status: a) Public

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

Associated organisation location and website:

Address: Abelu street 2
14 / 250 characters

Country: Latvia

Postal Code: LV-4401
7 / 250 characters

Town: Gulbene
7 / 250 characters

Website: www.gulbene.lv
14 / 100 characters

Role of the associated organisation in this project:

Gulbene Municipality supports the "Comprehensive tool for policy makers to find balanced use of bioresources to reach energy independence and climate neutrality "Wood parity online application" (COMPASS)" project proposal as we are the main target group, whom project results will be necessary further. We will:
- contribute to as a contact point within the Gulbene Municipality;
- advising consortium partners in developing and testing of the Wood parity online application;
- help promote the Wood parity online application within the project to local authorities for testing and feedback to improve the application;
- providing informational support for seminars organised by project partners on the use of bioresources to create higher value-added products and the transition to a circular economy;
- participate in stakeholder activities during the time of the project.

876 / 1,000 characters

2.3 Associated Organisation Details - AO 4

Associated organisation name and type:

Organisation in original language: Preiļu pašvaldība (17 / 250 characters)

Organisation in English: Preili Municipality (19 / 250 characters)

Department in original language: Novada dome (11 / 250 characters)

Department in English: Municipality council (20 / 250 characters)

Legal status: a) Public

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

Associated organisation location and website:

Address: Raiņa bulvāris 19 (17 / 250 characters)

Country: Latvia

Postal Code: LV-5301 (7 / 250 characters)

Town: Preili (6 / 250 characters)

Website: www.preili.lv (13 / 100 characters)

Role of the associated organisation in this project:

Preili Municipality supports the "Comprehensive tool for policy makers to find balanced use of bioresources to reach energy independence and climate neutrality "Wood parity online application" (COMPASS)" project proposal as we are the main target group, whom project results will be necessary further. We will:
- contribute to as a contact point within the Preili Municipality;
- advising consortium partners in developing and testing of the Wood parity online application;
- help promote the Wood parity online application within the project to local authorities for testing and feedback to improve the application;
- providing informational support for seminars organised by project partners on the use of bioresources to create higher value-added products and the transition to a circular economy;
- participate in stakeholder activities during the time of the project.

874 / 1,000 characters

2.3 Associated Organisation Details - AO 5

Associated organisation name and type:

Organisation in original language: Rīgas Enerģētikas asociācija
28 / 250 characters

Organisation in English: Riga Energy Agency
18 / 250 characters

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

Department in English: n/a
3 / 250 characters

Legal status: a) Public

Type of associated organisation: Sectoral agency

Local or regional development agency, environmental agency, energy agency, employment agency, etc.

Associated organisation location and website:

Address: Mazā Jauniela 5
15 / 250 characters

Country: Latvia

Postal Code: LV - 1050
10 / 250 characters

Town: Riga
4 / 250 characters

Website: rea.riga.lv
11 / 100 characters

Role of the associated organisation in this project:

Riga Municipal Agency “Riga Energy Agency” (further – REA), established by the Riga City Council, is the first local energy agency in Latvia. REA is an independent, non-profit municipal establishment, founded in 2007 for the purpose of planning, management, monitoring and coordination of sustainable energy supply and consumption, promotion of energy efficiency and renewable energy sources in Riga City Municipality, enhancing the shift to sustainable transport modes and solutions, promotion of energy efficient renovation of city’s housing stock and public buildings, as well as, rising awareness amongst the local population on sustainability issues and ensuring public awareness and public involvement within its core activities. As AP REA will provide COMPASS consortium partners with expert assistance and feedback on developed SD model and WooP App.

858 / 1,000 characters

2.3 Associated Organisation Details - AO 6

Associated organisation name and type:

Organisation in original language
Rēzeknes Biznesa asociācija
27 / 250 characters

Organisation in English
Rezekne Business Association
28 / 250 characters

Department in original language
n/a
3 / 250 characters

Department in English
n/a
3 / 250 characters

Legal status
a) Public

Type of associated organisation
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
Atbrīvošanas aleja 155
22 / 250 characters

Country
Latvia

Postal Code
LV-4604
7 / 250 characters

Town
Rezekne
7 / 250 characters

Website
www.reub.lv
11 / 100 characters

Role of the associated organisation in this project:

Rezekne Business Association with this expresses supports
the "Comprehensive tool for policy makers to find balanced use of
bioresources to reach energy independence and climate neutrality "Wood
parity online application" (COMPASS)" project proposal as we are the main target
group, whom project results will be necessary further. We will:
- participate in the development and testing of the Wood parity online application
during group model-building activities, and provide feedback and practical
suggestions for its improvement;
- participate and provide, where possible, informational support to seminars
organized by project partners on the use of the Wood parity online application;
- participate in other stakeholder activities during the time of the project.

765 / 1,000 characters

2.3 Associated Organisation Details - AO 7

Associated organisation name and type:

Organisation in original language
Stowarzyszenie Producentów Płyt Drewnopochodnych w Polsce
57 / 250 characters

Organisation in English
Association of Producers of Wood-based Panels in Poland
55 / 250 characters

Department in original language
Stowarzyszenie Producentów Płyt Drewnopochodnych w Polsce
57 / 250 characters

Department in English
Association of Producers of Wood-based Panels in Poland
55 / 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
Wojska Polskiego Street 38/42 (p. 419)
38 / 250 characters

Country
Poland

Postal Code
60-627
6 / 250 characters

Town
Poznań
6 / 250 characters

Website
https://sppd.pl/
16 / 100 characters

Role of the associated organisation in this project:

The project is of particular interest as a project results end-user, target group since the Association of Producers of Wood-based Panels in Poland represents Polish producers of wood-based materials (especially wood-based panels) mainly from forest wood and wood biomass of forest origin, for which wood obtained in the forest is a strategic raw material.
Participation in online and in-person meetings, participation in discussions, reviewing reports and evaluating project results, acknowledging the results, and possible transfer of solutions developed in the project.

600 / 1,000 characters

2.3 Associated Organisation Details - AO 8

Associated organisation name and type:

Organisation in original language
Polska Izba Gospodarcza Przemysłu Drzewnego
43 / 250 characters

Organisation in English
The Polish Economic Chamber of Wood Industry
44 / 250 characters

Department in original language
Polska Izba Gospodarcza Przemysłu Drzewnego
43 / 250 characters

Department in English
The Polish Economic Chamber of Wood Industry
44 / 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
ul. Gronowa 22 / 1301
21 / 250 characters

Country
Poland

Postal Code
61-655
6 / 250 characters

Town
Poznań
6 / 250 characters

Website
https://pigpd.pl/kontakt/
25 / 100 characters

Role of the associated organisation in this project:

Project results end-user, target group since the Polish Economic Chamber of Wood Industry represents Polish producers of wood materials mainly from forest wood and wood biomass of foreign origin, for which wood obtained in the forest is a strategic raw material.
Participation in online and in-person meetings, participation in discussions, reviewing reports and evaluating project results, acknowledging the results, and possible transfer of solutions developed in the project.

478 / 1,000 characters

2.3 Associated Organisation Details - AO 9

Associated organisation name and type:

Organisation in original language: Riigimetsa majandamise keskus
29 / 250 characters

Organisation in English: State Forest Management Centre
30 / 250 characters

Department in original language: Juhatus
7 / 250 characters

Department in English: Management Board
16 / 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: Lääne-Viru County
17 / 250 characters

Country: Estonia

Postal Code: 45403
5 / 250 characters

Town: Sagadi Village
14 / 250 characters

Website: www.rmk.ee
10 / 100 characters

Role of the associated organisation in this project:

Around 45% of Estonian forests belong to the Estonian state. Estonia is one of the most forest-rich countries in the world – approximately half of our land area or 2.3 million hectares are covered with forest. During COMPASS project implementation, experts from State Forest Management Centre will provide and validate data on wood biomass and forest management data. AO9 will serve as a valuable extension to COMPASS consortium providing information and serving as a hub for other target groups like Interest group, Business support organization.

548 / 1,000 characters

3. Relevance

3.1 Context and challenge

Recent geopolitical events underline the importance of energy independence. But the climate neutrality presents a dilemma for policymakers: on the one hand, the Baltic Sea region is a forest-rich region, which makes wood an accessible energy resource; on the other hand, wood is an essential bioeconomic resource with the potential to store CO2 in high value-added products, thus contributing to both circular bioeconomy and carbon neutrality.
The joint Baltic Sea Region (BSR) challenge is to optimise the sustainable use of wood while simultaneously increasing prosperity and carbon neutrality. The energy and circular bioeconomy dilemma shouldn't lead to prioritising one or the other. Instead, a systemic solution must be found that balances the use of wood and its residues between energy production, high value-added products, and CO2 sequestration.
Approaches such as circular economy, resource efficiency and responsible management encourage stakeholders to seek alternatives that maximise sustainability and circularity or introduce the cascading use of wood resources. In practice, however, wood supply chains are market-driven and sustainability, high added-value applications, and CO2 neutrality aren't always prioritized when selecting wood resource applications.
To ensure the selection of sustainable and circular solutions, stakeholders, such as national policymakers, local municipalities, forest owners, should base their decisions on science-based evaluation. Due to the scale and complexity of this problem, a decision support application is required to supply the stakeholders with the outcomes of the science-based analysis in an easily comprehensible form.

1,682 / 2,000 characters

3.2 Transnational value of the project

The energy and circular bioeconomy dilemma for wood resource use is significant for all countries represented within this project. Connecting the region and cooperating for new regional knowledge development is especially important for all partners as each country has its strengths and weaknesses. E.g., the bioeconomy development level in the involved countries differs - if considering the value-added per person employed in biomass producing and converting sectors in 2019 [JRC]. Sweden and Finland are far above the EU27 average, while Latvia, Lithuania, Estonia, and Poland are below the average. Regarding CO2 emissions accounts, Poland is the highest overall emitter in this group, but Estonia and Finland follow closely [Eurostat] considering the per capita emissions. Latvia has the lowest per capita CO2 emissions in this group but at the expense of underdeveloped high value-added sectors of the bioeconomy. Cooperating and complementary rather than competing development of circular bioeconomy in all our countries will increase the competitiveness and prosperity of the Baltic Sea Region.
Energy independence is also currently a pressing topic in our region. At this point, we need to rethink our energy supply and security sources. The Baltic Sea countries need to consider possible solutions to replace natural gas. Improvements in all energy production systems need to be implemented to use local renewable resources, especially woody biomass, fully.
The implemented data gathering via "Satellite remote sensing-based forest stock estimation technology" will provide new information and knowledge for all involved countries and analyzed municipalities. The project's approach to pilot test the developed "Wood parity online application" both at the policymaker and municipality level will provide strong connection and feedback from local stakeholders in all countries and help improve their decision capabilities.

1,933 / 2,000 characters

3.3 Target groups

Target group	Sector and geographical coverage	Its role and needs
Business support organisation	Investment planning; economic sector: production, services, energy. Latvia state-owned development finance institution ALTUM offers state aid for various target groups with the help of financial tools (such as loans, credit guarantees, investing in venture capital funds, etc.) in Latvia. 288 / 500 characters	COMPASS outcome is an online application for policymakers for mid-and long-term policy development. LIAA in Latvia is responsible for investment planning and innovation boost, experts from LIAA would provide valuable input regarding investment tools. ALTUM offers state aid. Achieving sustainable wood biomass use requires not only policy planning in line with current data but also the mobilization of funding to implement the objectives set out in the policy documents. LIAA is an intermediary between investors and regional public authorities and has intensive knowledge in business supporting instruments. Cooperation with this target group in all consortium countries would benefit the model and its final application for policymakers. 741 / 1,000 characters

Target group	Sector and geographical coverage	Its role and needs
National public authority	National policy planning, policymaker National ministries manage policy planning regarding some or all of the topics related to forestry and wood production: climate change, environmental protection, regional and local development, spatial planning, industrial, energy, construction consumer, and trade policy planning and implementation. 338 / 500 characters	Ministries are directly responsible for policy planning and implementation. The “Wood parity online application” (WooP App) would allow policymakers to make more accurate and evidence-based decisions on the strategic use of forests and wood biomass. The app for policymakers is one of the main outputs of this project; accordingly, national public authorities will be crucial for the piloting phase of the WooP App. To work and serve as a tool for policymakers to develop mid-and long-term policies, WooP App must represent necessary readings and indicators that would be useful. Hence, experts from national public authorities would provide crucial input in WooP App’s interface development. Experts representing national public authorities will have a manual to use the WooP App and early access to its beta version. Their feedback will be used to improve the system dynamics model and app. 892 / 1,000 characters
Regional public authority	Regional policy planning and implementation Under the procedure laid down by law, national governments have delegated certain functions to regions and municipalities. Regional public authorities e.g. Latgale Planning Region in Latvia has a coordination function – to ensure collaboration between local municipalities and national public authorities and represent regional interests on the national level. 405 / 500 characters	WooP App for policymakers is one of the main outputs of this project; hence regional public authorities will be important for developing and testing the WooP App. In order to work and serve as a tool for policymakers to create mid-and long-term policies, WooP App must display necessary readings and indicators that would be useful for policymakers. Regional public authorities serve as a bridge for National policymakers and interest groups; therefore, experts from regional public authorities would provide crucial input during the developing and piloting phase of the project. In addition, regional public bodies will be essential for WooP App implementation. Experts from regional public authorities will work together with system dynamics modelers to develop the WooP App and its manual. Regional public authorities will be responsible for addressing external experts from interest groups during the WooP App development stage. 933 / 1,000 characters
Interest group	Multiple fields of responsibility: forestry planning and woodworking logistics, investment in innovations, new technologies. Many woodworking enterprises are operating in the BSR. Groups are represented by the most popular wood product producers: lyocell, particleboard, cross-laminated timber, and woodchip. Includes all the stakeholders interested in forestry and wood-working industry development: e.g., municipalities, private forest owners and cooperatives, SMEs from the woodworking industry. 499 / 500 characters	The interest group consists of wood industry enterprises covering the timber use competencies, hence will be able to provide accurate data on various technological aspects, like yield and residues and production efficiency. Experts from local municipalities will be able to give feedback on local policy instruments and indicators. Interest group experts will be advising consortium partners on the system dynamics model loops and the convenience of the WooP App. Experts will be able to give their input to the system dynamics model and WooP App on a voluntary basis. Stakeholders from interest groups will be given a platform in a workshop or similar event in at least three partner countries, ensuring geographical coverage, to receive their feedback. 754 / 1,000 characters

Target group	Sector and geographical coverage	Its role and needs
Higher education and research instituti	Research institutions participate in the COMPASS consortium to ensure essential responsibilities regarding forest biomass, higher value-added products, product life cycle assessments, system dynamics modeling, and energy use. Bringing together 3 of the 4 BSR countries with more than 60% forest cover. In addition, the research institution from Poland could provide expertise on the use of forest and wood residues, thus bringing a valuable addition to the model on the circular use of wood biomass. 499 / 500 characters	This target group is vital for solving the identified problem. Policymakers have limited time and capacity to identify all opportunities regarding wood-based higher value-added products and their potential positive impact. Research institutions will ensure information gathering, analysis, and transformation into one easy-to-understand online application for policymakers. Cover previously described responsibilities to ensure the development of the WooP App. Determine as precisely as possible the available biomass stock of main tree species, the calorific value of wood biomass, and corresponding sequestered carbon in wood biomass and wood-based products. These aspects are time-consuming to gather and evaluate, even so to detect their interactions and impact on the economy. Hence one system dynamics model that will combine all the abovementioned aspects should be built. Combine and supplement previously gained knowledge on the subject to ease the decision-making for the whole BSR. 993 / 1,000 characters

3.4 Project objective

Your project objective should contribute to:

Circular economy

The project's objective is to identify complex solutions to optimise and decarbonise energy systems while increasing the circularity of wood sustainably and innovatively, i.e., balancing the use of wood for energy production and value-added products in a knowledge-based approach. This project will deliver a system dynamics model and a user-friendly online application to quantify CO2 sequestered in higher value-added products and determine whether the residues from logging and manufacturing are sufficient to meet the regional or national energy needs.
The main target groups of the project will be eligible to use it for policy planning and strategic development. The WooP App will provide them with an innovative and digital decision-making possibility that represents the complexity of the wood bioresource application system and allows them to develop alternative scenarios and observe the expected outcomes.
Another target group includes stakeholders of the forestry sector. The WooP App would be a handy tool for forest managers and logging companies to forecast local and BSR market demand for specific timber resources and plan the planting of new forests and tree species. Knowledge gained from the modelling and development of the WooP App on the current situation at the national and international level will be helpful information for the future growth and management of the region's timber resources.
Besides solutions related to forestry and energy sectors, this project also concerns innovative businesses by promoting the transition to a circular bioeconomy, particularly by research on high-added value products from wood and wood residues.
Through the involvement of local municipalities in the WooP App, public awareness and understanding will be raised regarding innovative high value-added use of wood and wood residue bioresources and shift to a circular economy.

1,891 / 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 Bio-economy

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

The Compass project contributes to Action 3 of the PA Bioeconomy to accelerate the development of a sustainable circular bioeconomy. It is done by providing the policy makers with a scientific research based decision support solution in the form of user friendly app. Through the use of this app as well as the transnational policy maker communication realized through, among other, the project workshops, the bioeconomy related capabilities, competences and awareness of BSR policy makers and the national forestry and wood processing stakeholders will be improved. Novel approach to policy planning and the science based decision support (the app) will enhance valorisation of wood biomass to increase BSR region prosperity, circularity and resource efficiency.
The project will also deliver on Action 1 of PA Bioeconomy by increasing the public awareness regarding bioeconomy (publicly available podcast episodes) and strengthening its importance by involvement of a multitude of regional and national policy planners. The developed product database and evaluations will foster further development of high-added value bioeconomy and its productivity.
The implemented transnational cooperation is aimed at the fusion of the specific knowledge of the project partners (regional, national public authorities) and the involved researchers to increase the knowledge based added value of Baltic Sea region forests and biomass while also considering the climate change adaptation and carbon neutrality.

1,500 / 1,500 characters

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

Project implementation also delivers complementary on Actions 1 and 3 of Policy Area Innovation. By focusing on challenge-driven innovation (climate change challenge, as well as, biomass use balance dilemma – a resource efficiency challenge) the project will provide new scientific knowledge for forestry and wood processing industry stakeholders that will promote innovation in their fields, including product innovation towards carbon neutrality and company collaboration innovation (by-product reuse, i.e., industrial symbiosis). With the intentional addition of several scientific institutes as project partners, the project partner consortium is strategically build in a way that promotes innovation creation via cooperation, SMEs are one group of the knowledge recipients in this project. Promoting of high added value products from wood biomass will aid prosperity increase and improving of global competitiveness of Baltic Sea region.
The project contribution extends to Policy Area Energy (Action 4) as the research of complete use of biomass and the biomass use balance dilemma (energy versus products) will aid increasing the share renewable energy (while also considering and balancing the industry biomass needs), and therefore also contribute to energy independence increase which is crucially important nowadays at the whole EU level. Also the project is aimed directly at delivering solutions to strive towards carbon neutrality.

1,445 / 1,500 characters

3.6 Other political and strategic background of the project

Strategic documents

EU Green Deal (GD) moving towards climate neutrality and reducing GHG emissions is a major challenge, especially in the current geopolitical context. The transition from fossil fuels is more important and challenging. Wood is an excellent alternative to fossil resources, as well as a widely used bio-resource that plays a huge role in achieving the GD objectives. A status quo of available wood resources needs to be determined, from which the strategic use and CO2 storage should be planned.

493 / 500 characters

European Bioeconomy Strategy (EBS) knowledge-based and sustainable forest management will play a significant role in the green transition. Objectives of COMPASS are directly linked to 3 of the 5 objectives of the EBS – "managing natural resources sustainably; reducing dependence on non-renewable resources and mitigating and adapting to climate change". Will contribute to the objective of "creating jobs and keeping Europe competitive" and is closely linked to the 3 lines of action set in 2018.

497 / 500 characters

The new EU forest strategy for 2030 – COMPASS aims to improve the quantity and quality of EU forests and strengthen their protection, restoration and resilience by strategic planning of wood. COMPASS will reinforce the strategy's objective to promote a sustainable forest bioeconomy for long-lived wood products and ensure the sustainable use of wood resources for bioenergy, as well as raise awareness of forest management for climate change adaptation and forest resilience.

476 / 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
Satellite remote sensing-based forest stock estimation technology (WoodStock) 77 / 200 characters	EU European Regional Development Fund 37 / 200 characters	Software prototypes for tree species classification and forest stock volume (FSV) calculation were developed and will be used for estimation of FSV from publicly available data, namely laser scanning data of the territory, Sentinel-2 satellite images and sparse forest inventory data available for the area. Will be used in COMPASS for data input for the system dinamics model. 377 / 1,000 characters
BioReg Project : Absorbing the Potential of Wood Waste in EU Regions and Industrial Bio-based Ecosystems 104 / 200 characters	European Union's Horizon 2020 29 / 200 characters	BioReg model includes wood waste from municipal waste, construction and demolition wood, and waste wood from the industry. BioReg sub-model describes detailed flows of forest residues. BioReg model will be combined with the system dynamics model developed by RTU IESE. 268 / 1,000 characters
"Process-based modeling of forest carbon storage potential dependent on forest ecosystem growth for the implementation of climate-conscious forest management" 159 / 200 characters	Estonian Research Agency Foundation 35 / 200 characters	Results from the project will be implemented in the system dynamics model. Specifically, data will be used in A1.2 to specify stored carbon in the wood biomass. With the combination of remote sensing and analysis the Pilot region of Latgale Planning Region more precise carbon storage up-to-date situation will represented in the system dynamics model. 352 / 1,000 characters
BIO-CLIMATE, BIOEASTsUP - Central and Eastern European initiative for knowledge-based agriculture, aquaculture and forestry in the bioeconomy 142 / 200 characters	EEA grant project, Within Horizon 2020 project 46 / 200 characters	The existing tool is based on system dynamic (SD) model that was developed in project BIO-CLIMATE. In BIOEASTsUP project SD model was updated with data, also it is transferred from interface in Powersim Studio to – Stella Architect, that provided an opportunity to make an interactive tool platform for stakeholders and decision makers. Tool was developed to transfer existing complex bioeconomy model available for stakeholders and policy makers in more easy to understand way with main parameters as output and changeable parameters for opportunity to see the impact on them. During COMPASS, the existing SD model will be complemented with information on available wood resources and, in later phases of the project, wood products. BIOEASTsUP has established a successful collaboration between RTU IESE and IUNG in the development and adaptation of SD model, so the model developed within COMPASS would be an excellent continuation of this collaboration. 956 / 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	neutral

4. Management

Allocated budget 10%

4.1 Project management

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

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

0 / 500 characters

4.2 Project financial management

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

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

0 / 500 characters

4.3 Input to Programme communication

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

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

0 / 500 characters

4.4 Cooperation criteria

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

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

5. Work Plan

Number	Work Package Name
1	WP1 Preparing solutions

Number	Group of Activity Name
1.1	Gathering information on products from wood biomass to prepare solution
1.2	Gather information on wood biomass
1.3	Developing system dynamics model for sustainable use of wood biomass
1.4	Wood parity online application and its manual development

Number	Work Package Name
2	WP2 Piloting and evaluating solutions

Number	Group of Activity Name
2.1	Pilot the model to experts
2.2	Parity tool piloting to policy makers
2.3	Evaluation of piloting activities
2.4	Updating system dynamics model and parity tool "WooP App"

Number	Work Package Name
3	WP3 Transferring solutions

Number	Group of Activity Name
3.1	Capacity building of policy makers
3.2	Increase knowledge and skills of scientific community to support data based decision-making
3.3	Elucidate civil society, NGOs and other target groups

Work plan overview

Period:	1	2	3	4	5	6	Leader
WP.1: WP1 Preparing solutions							**PP1**
A.1.1: Gathering information on products from wood biomass to prepare solution							PP1
D.1.1: Data inventory of wood based products			D				
A.1.2: Gather information on wood biomass							PP5
D.1.2: Data inventory of available wood biomass			D	D			
A.1.3: Developing system dynamics model for sustainable use of wood biomass							PP1
D.1.3: Feedback from field experts		D	D				
A.1.4: Wood parity online application and its manual development							PP1
WP.2: WP2 Piloting and evaluating solutions							**PP6**
A.2.1: Pilot the model to experts							PP1
O.2.1: System dynamics model				O			
A.2.2: Parity tool piloting to policy makers							PP3
A.2.3: Evaluation of piloting activities							PP1
D.2.3: Report on required improvements on system dynamics model					D		
A.2.4: Updating system dynamics model and parity tool "WooP App"							PP1
O.2.4: Finalized system dynamics model and Parity tool as WooP App					O		
WP.3: WP3 Transferring solutions							**PP1**
A.3.1: Capacity building of policy makers							PP6
D.3.1: Report on Capacity building of policy makers						D	
A.3.2: Increase knowledge and skills of scientific community to support data based decision-making							PP1
D.3.2: Session of International Scientific conference CONECT Riga					D		
A.3.3: Elucidate civil society, NGOs and other target groups							PP3
D.3.3: Five podcast episodes on project results				D	D	D	

Outputs and deliverables overview

Code	Title	Description	Contribution to the output	Output/ deliverable contains an investment
D 1.1	Data inventory of wood based products	As a result of GoA 1.1 data inventory on various wood-based products will be created and further used for data input into the system dynamics model (GoA 1.3.)	O.2.4	
D 1.2	Data inventory of available wood biomass	As a result of GoA 1.2 data inventory on available wood biomass in partner countries and methodology for inventory in other Baltic Sea Region countries will be created and further used for data input into the system dynamics model (GoA 1.3.)	O.2.4	
D 1.3	Feedback from field experts	During GMB sessions, feedback from field experts will serve as a basis for WooP App development.	O.2.4	
O 2.1	System dynamics model	Comprehensive system dynamics model on the wood biomass use will be developed by combining SD models from LP, PP3 and PP4. SD model will be supplemented according to feedback and findings during piloting.		
D 2.3	Report on required improvements on system dynamics model	All project partners responsible for piloting events will deliver a report on required improvement for O.2.1.System dynamics model and O.2.4. Finalized system dynamics model and parity tool "WooP App". Reports will include expert interviews and questioners.	O.2.1., O.2.4.	
O 2.4	Finalized system dynamics model and Parity tool as WooP App	Final improvements to system dynamics model for sustainable use of wood biomass along with WooP App and it's manual will be made according to A2.3 deliverables. Final WooP App will be available on the the isee Exchange™ platform for free.		
D 3.1	Report on Capacity building of policy makers	The Parity tool will be available online for all interested parties. Knowledge transfer to policy makers will be ensured by the direct communication.	O.2.4	
D 3.2	Session of International Scientific conference CONECT Riga	Session on the wood biomass optimization use in international scientific conference will provide a platform to the project team to disseminate project result on a broader geographical coverage. CONECT has been chosen for result dissemination due to geographical coverage, according to data from previous venues, participants from around 20 countries are expected to participate.	O.2.1.	
D 3.3	Five podcast episodes on project results	Podcast episodes will be recorded involving all project partners interchangeably ensuring topicality in all project partner countries.	O.2.4.	

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 1 - Riga Technical University

Work package leader 2 PP 5 - Institute of Electronics and Computer Science

5.4 Work package budget

Work package budget 20%

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Business support organisation Investment planning; economic sector: production, services, energy. Latvia state-owned development finance institution ALTUM offers state aid for various target groups with the help of financial tools (such as loans, credit guarantees, investing in venture capital funds, etc.) in Latvia. 288 / 500 characters	Interviews with experts from business support organizations will be conducted. Meetings with business support organizations will be held online and in person if necessary. 171 / 1,000 characters

	Target group	How do you plan to reach out to and engage the target group?
2	National public authority National policy planning, policymaker National ministries manage policy planning regarding some or all of the topics related to forestry and wood production: climate change, environmental protection, regional and local development, spatial planning, industrial, energy, construction consumer, and trade policy planning and implementation. 338 / 500 characters	National policy makers will be involved in the development and improvement of the System dynamics model. Input gathering from policy makers will be coordinated by Latgale Planning Region. Inputs will be gathered in form of questioners and more complex subject will be addressed in meetings. 290 / 1,000 characters
3	Regional public authority Regional policy planning and implementation Under the procedure laid down by law, national governments have delegated certain functions to regions and municipalities. Regional public authorities e.g. Latgale Planning Region in Latvia has a coordination function – to ensure collaboration between local municipalities and national public authorities and represent regional interests on the national level. 405 / 500 characters	Regional public authorities will be involved in the development and improvement of the System dynamics model by providing feedback on regular basis. Regional public authorities will be coordinating data collection and feedback gathering from corresponding local municipalities. Collected data and feedback will be transferred to project partners from research institutions involved in the development of system dynamics model and WooP App. 440 / 1,000 characters
4	Interest group Multiple fields of responsibility: forestry planning and woodworking logistics, investment in innovations, new technologies. Many woodworking enterprises are operating in the BSR. Groups are represented by the most popular wood product producers: lyocell, particleboard, cross-laminated timber, and woodchip. Includes all the stakeholders interested in forestry and wood-working industry development: e.g., municipalities, private forest owners and cooperatives, SMEs from the woodworking industry. 499 / 500 characters	SME's that have experience in production of wood products (i.e. Wood working enterprises), individual forest managers and state forest managers will be addressed directly for data collection and model validation purposes. During the WP1 GoA 1.1. and GoA 1.2. data gathering phase this interest group will be interviewed in free and questioner form, but for the tool system dynamics and parity tool development phase during GoA 1.3 and 1.4 feedback will be gathered in group and, if necessary, individual meetings. 513 / 1,000 characters
5	Higher education and research institution Research institutions participate in the COMPASS consortium to ensure essential responsibilities regarding forest biomass, higher value-added products, product life cycle assessments, system dynamics modeling, and energy use. Bringing together 3 of the 4 BSR countries with more than 60% forest cover. In addition, the research institution from Poland could provide expertise on the use of forest and wood residues, thus bringing a valuable addition to the model on the circular use of wood biomass. 499 / 500 characters	Leading partner will be responsible for information gathering from project partners and data normalization methodology. To ensure data gathering consistency, three project meetings will be held amongst research institutions during WP1.: 1st to present and discuss in detail previously done work. Begin inventory merging and agree on data normalization approach; 2nd follow up meeting to discuss progress on data inventories; 3rd final WP1 inventory meeting. 458 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
1.1	Gathering information on products from wood biomass to prepare solution
1.2	Gather information on wood biomass
1.3	Developing system dynamics model for sustainable use of wood biomass
1.4	Wood parity online application and its manual development

WP 1 Group of activities 1.1

5.6.1 Group of activities leader

Group of activities leader PP 1 - Riga Technical University

A 1.1

5.6.2 Title of the group of activities

Gathering information on products from wood biomass to prepare solution

71 / 100 characters

5.6.3 Description of the group of activities

Wood biomass and products from wood biomass has extensively been studied for the last century – there are plenty of innovative products in addition to well-known products like particleboards and other wood composites. Today, wood-based products are becoming more popular as alternatives to fossil-based products and carbon sequesters, but the market uptake of sustainable wood products is insufficient. Project partners (PP1, PP2, PP3, PP4) have worked on wood-based product analysis. During this GoA 1.1 previously done work by project partners on innovative products will be reviewed, in addition literature analysis conducted on existing and innovative cost-effective products from wood biomass (timber and various residues from timber industry) to supplement the existing information and normalize the results. Data on production costs, yields and value-added will be fed into system dynamics model. System dynamics modelling allows to comprehend the complex interactions in a dynamic system like economy, by plotting relevant data into the model, it can help to understand and predict consequences of chosen actions. The more precise is the input data, the more accurate are the results depicted.
Innovative product market is growing and there are many options of wood biomass utilization, nevertheless policy makers and other decision makers are lacking information of these options. Hence, the Wood biomass and energy parity online application (WooP App) developed in this project will provide target groups with missing information. GoA 1.1. will be devoted to data gathering for the system dynamics model. Previous work on wood biomass use have been done by project partners from Latvia, Poland, Estonia and Finland, nevertheless all the data can not directly be fed into system dynamics model, hence during GoA 1.1. data will be normalized. In addition, information on new products will be gathered ensuring products from all categories:(1) fine chemicals, (2) food and feed, (3) polymer materials, (4) bulk chemicals, and (5) energy.
Information provided by interest groups will validate the information gathered during literature analysis and provide data on those aspects that might be lacking in the literature. In addition, data from new producers of innovative value-added products (i.e. small enterprises or start-ups) is not yet in the literature and is most valuable to be gathered from empirical sources to include such product types in the model—collaboration in the GoA1.1. Woodworking SMEs will enhance the precision of the successive calculations and thus the input data for the System dynamics model.

2,625 / 3,000 characters

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

D 1.1

Title of the deliverable

Data inventory of wood based products

38 / 100 characters

Description of the deliverable

As a result of GoA 1.1 data inventory on various wood-based products will be created and further used for data input into the system dynamics model (GoA 1.3.)

158 / 2,000 characters

Which output does this deliverable contribute to?

O.2.4

5 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.1: Gathering information on products from wood biomass to prepare solution						
D.1.1: Data inventory of wood based products						

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 5 - Institute of Electronics and Computer Science

A 1.2

5.6.2 Title of the group of activities

Gather information on wood biomass

34 / 100 characters

5.6.3 Description of the group of activities

Using developed wood species analysis from remote sensing data, estimate the total available wood stock in Finland, Estonia, Latvia and Poland. Available wood stock will be determined for coniferous and deciduous trees. Deciduous trees will be broken down into birch stock, aspen stock, and alder stock. Literature data on analysed species calorific values will be conducted, and biomass inventory will be supplemented accordingly.
An important aspect of wood biomass will be sequestered carbon per timber unit. Multiple sequestered carbon calculation methods used in the partner countries will be compared and analysed to ensure the consistency of the model. Only one method will be chosen, and sequestered carbon data will be normalised for all species.

756 / 3,000 characters

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

D 1.2

Title of the deliverable

Data inventory of available wood biomass

40 / 100 characters

Description of the deliverable

As a result of GoA 1.2 data inventory on available wood biomass in partner countries and methodology for inventory in other Baltic Sea Region countries will be created and further used for data input into the system dynamics model (GoA 1.3.)

243 / 2,000 characters

Which output does this deliverable contribute to?

O.2.4

5 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.2: Gather information on wood biomass						
D.1.2: Data inventory of available wood biomass						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 1 Group of activities 1.3

5.6.1 Group of activities leader

Group of activities leader PP 1 - Riga Technical University

A 1.3

5.6.2 Title of the group of activities

Developing system dynamics model for sustainable use of wood biomass

68 / 100 characters

5.6.3 Description of the group of activities

The system dynamics model will be built based on previously developed models by Riga Technical University's Institute of Energy Systems and Environment and the Institute of Soil Science and Plant Cultivation. The model will be built based on system dynamic principles. Stocks, flows, internal feedback loops, table functions and time delays will be used in modelling the behaviour of the complex non-linear system of the energy and woodworking sectors over time to support data-based decision-making and sustainable use of biomass.
The current Riga Technical University Bioeconomy model, which includes forest and agriculture sectors, will be transformed and improved to meet the project's needs. Normalised data from GoA 1.1 and 1.2 will be fed into the model to enhance the robustness of the final product.
This activity is responsible for including the relevant parties in the model building process to facilitate a shared understanding of the relevant factors and causalities in the system and allow for improvement and fine-tuning of the model.
The group model building (GMB) method facilitates a common understanding of structures and relationships that determine the system behaviour. The GMB aims to identify the relevant factors and build causal maps of factors influencing the forestry and bioeconomy development in local settings. Perceived strengths of the GMB process are a representation of diverse stakeholder viewpoints and complex system synthesis in a visual causal pathway, the process inclusivity, development of shared understanding, new idea generation and momentum building. Creating a shared mental model in the GMB session allows model builders to improve the initial model. Hence, partners from industry and regional public bodies will participate in GMBs to ensure a shared understanding of wood parity.
Several GMB sessions will be carried out to fine-tune the model. Each session will include discussions with target groups and mental exercises to receive valuable feedback. Feedback from each session will be analysed and incorporated into the model and presented in the next model building session.
This activity is an integral part of the model building and validation because the inclusion of the experts in the field allows a better understanding of the details of the system's underlying structure and allows to complete one step of model validation.

2,387 / 3,000 characters

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

D 1.3

Title of the deliverable

Feedback from field experts

27 / 100 characters

Description of the deliverable

During GMB sessions, feedback from field experts will serve as a basis for WooP App development.

97 / 2,000 characters

Which output does this deliverable contribute to?

O.2.4

5 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.3: Developing system dynamics model for sustainable use of wood biomass						
D.1.3: Feedback from field experts						

5.6.7 This deliverable/output contains productive or infrastructure investment ☐

WP 1 Group of activities 1.4

5.6.1 Group of activities leader

Group of activities leader PP 1 - Riga Technical University

A 1.4

5.6.2 Title of the group of activities

Wood parity online application and its manual development

57 / 100 characters

5.6.3 Description of the group of activities

Based on the deliverable from GoA 1.3 front-end of system dynamics model will be developed in a form of the Parity tool. Parity tool's aim is to understandably reflect the dynamical processes in balancing the use of wood biomass in all its lifetime from forest to recycling and energy regeneration. Hence, Parity tool will serve policy makers who are responsible for forest management, economic and territorial policies to evaluate the predictable effects of their policies. To make the Parity tool easy to use corresponding manual will be developed.

550 / 3,000 characters

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

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.4: Wood parity online application and its manual development						

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 6 - Latgale planning region

Work package leader 2 PP 3 - INSTITUTE OF SOIL SCIENCE AND PLANT CULTIVATION RESEARCH STATE INSTITUTE

5.4 Work package budget

Work package budget 35%

5.4.1 Number of pilots

Number of pilots 2

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?

	Target group	How do you plan to reach out to and engage the target group?
1	Business support organisation Investment planning; economic sector: production, services, energy. Latvia state-owned development finance institution ALTUM offers state aid for various target groups with the help of financial tools (such as loans, credit guarantees, investing in venture capital funds, etc.) in Latvia. 288 / 500 characters	Experts form business support organisations will be contacted directly (accordingly to their specific areas, i.e., value added production, innovative products, niche products, business development in national context) and enabled with access to Draft parity tool and it User Manual, so that they can test the tool and verify its logic and compliance with industry experience. Expert feedback will be incorporated into the upgraded System dynamics model and Parity tool. 469 / 1,000 characters
2	National public authority National policy planning, policymaker National ministries manage policy planning regarding some or all of the topics related to forestry and wood production: climate change, environmental protection, regional and local development, spatial planning, industrial, energy, construction consumer, and trade policy planning and implementation. 338 / 500 characters	National policy makers based on previous communication and establishment of contacts accordingly to their scope will be approached to act as external experts for model pilot testing. Expert feedback will be incorporated into the upgraded System dynamics model and Parity tool. National policy makers will be provided with first hand opportunity to impact the development of the Parity tool and the underlying System dynamics by involving them in the tool piloting process. During the GoA 2.2. National policy makers in each involved country will receive online access to draft Parity tool solution and the prepared Draft Tool Manual. They will be able to test the solution and their feedback will be used to upgrade the Parity tool to its final version. 753 / 1,000 characters
3	Regional public authority Regional policy planning and implementation Under the procedure laid down by law, national governments have delegated certain functions to regions and municipalities. Regional public authorities e.g. Latgale Planning Region in Latvia has a coordination function – to ensure collaboration between local municipalities and national public authorities and represent regional interests on the national level. 405 / 500 characters	Regional policy makers based on previous communication and establishment of contacts accordingly to their scope will be approached to act as external experts for model pilot testing. Expert feedback will be incorporated into the upgraded System dynamics model and Parity tool. Regional public authorities will be able to test and suggest improvements to the Parity tool during the tool piloting to policy makers stage (GoA2.2.). Representatives of the regional public authorities will receive online access to draft tool and the prepared Draft Tool Manual. After testing of the tool they will prepare a summary of their feedback regarding the use of the tool and necessary improvements. This feedback will be summarized and used to upgrade the Parity tool to its final version. 777 / 1,000 characters
4	Interest group Multiple fields of responsibility: forestry planning and woodworking logistics, investment in innovations, new technologies. Many woodworking enterprises are operating in the BSR. Groups are represented by the most popular wood product producers: lyocell, particleboard, cross-laminated timber, and woodchip. Includes all the stakeholders interested in forestry and wood-working industry development: e.g., municipalities, private forest owners and cooperatives, SMEs from the woodworking industry. 499 / 500 characters	Expert researchers with experience in building System dynamics models, LCA assessment experience, and emission modelling experience will all be involved in testing of the Patiry tool appropriateness and logic. Expert feedback will be incorporated into the upgraded System dynamics model and Parity tool. Experts form SME's will be contacted directly (and also based (but not limited to) on previous communication in GoA 1.1.) and enabled with access to Draft parity tool and it User Manual, so that they can test the tool and verify its logic and compliance with industry experience. Expert feedback will be incorporated into the upgraded System dynamics model and Parity tool. 677 / 1,000 characters

	Target group	How do you plan to reach out to and engage the target group?
	Higher education and research institution Research institutions participate in the COMPASS consortium to ensure the essential competences regarding forest biomass, higher value-added products, product life cycle assessments, system dynamics modeling, and energy use. Bringing together 3 of the 4 BSR countries with more than 60% forest cover. In addition, the research institution from Poland could provide expertise on the use of forest and wood residues, thus bringing a valuable addition to the model on the circular use of wood biomass. 409 / 500 characters	

5.6 Activities, deliverables, outputs and timeline

No.	Name
2.1	**Pilot the model to experts**
2.2	**Parity tool piloting to policy makers** Project partners from research organizations will support piloting events by providing feedback for participants and developing reports on pilots (1) for Polish policy makers, and woodworking entrepreneurs (2) for Latvian policy makers and business support organizations. 276 / 1,000 characters
2.3	**Evaluation of piloting activities**
2.4	**Updating system dynamics model and parity tool "WooP App"**

WP 2 Group of activities 2.1

5.6.1 Group of activities leader

Group of activities leader PP 1 - Riga Technical University

A 2.1

5.6.2 Title of the group of activities

Pilot the model to experts

26 / 100 characters

5.6.3 Description of the group of activities

Critically assess the developed system dynamics model and find logic errors. System dynamics model will be piloted to experts from all partner countries. At this stage, experts on energy, forestry, circular bioeconomy and system dynamics modelling will be joining one GMB session for the whole model. Expert opinions will be further used for the final improvements.

365 / 3,000 characters

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

O 2.1

Title of the output

System dynamics model

21 / 100 characters

Description of the output

Comprehensive system dynamics model on the wood biomass use will be developed by combining SD models from LP, PP3 and PP4. SD model will be supplemented according to feedback and findings during piloting.

204 / 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 Higher education and research institution Research institutions participate in the COMPASS consortium to ensure essential responsibilities regarding forest biomass, higher value-added products, product life cycle assessments, system dynamics modeling, and energy use. Bringing together 3 of the 4 BSR countries with more than 60% forest cover. In addition, the research institution from Poland could provide expertise on the use of forest and wood residues, thus bringing a valuable addition to the model on the circular use of wood biomass.	Combined system dynamics model will be shared among research institutions who participated on the model building - LP, PP3 and PP4. All these partners will work together along all project partners and external experts to develop the front-end "WooP App" interface of the SD model. 280 / 1,000 characters

Durability of the output

LP, PP3 and PP4 will be able to further develop and build on top of this combined model. In lines with this project, WooP App will be developed on the basis of this model, but after the COMPASS implementation, partners will be able to apply for other funding to develop the Wood parity SD model even further if relevant needs would emerge.

339 / 1,000 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.1: Pilot the model to experts						
O.2.1: System dynamics model						

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 3 - INSTITUTE OF SOIL SCIENCE AND PLANT CULTIVATION RESEARCH STATE INSTITUTE

A 2.2

5.6.2 Title of the group of activities

Parity tool piloting to policy makers

37 / 100 characters

5.6.3 Description of the group of activities

During piloting, policy maker target group will be provided with WooP App and its corresponding manual. Firstly, intuitiveness of manual will be evaluated in order to improve the manual and better explain “hard to understand” features of the Parity tool during WP3. Secondly, WooP App functionality will be tested in piloting hackathon where participants will be tasked with improving local, regional or national policies to reach specified growth indicators.

460 / 3,000 characters

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

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.2: Parity tool piloting to policy makers						

WP 2 Group of activities 2.3

5.6.1 Group of activities leader

Group of activities leader PP 1 - Riga Technical University

A 2.3

5.6.2 Title of the group of activities

Evaluation of piloting activities

33 / 100 characters

5.6.3 Description of the group of activities

Results from piloting activities will be gathered and analysed according to chosen criteria, in addition user feedback will be gathered by questioners and open interviews from project partners

192 / 3,000 characters

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

D 2.3

Title of the deliverable

Report on required improvements on system dynamics model

57 / 100 characters

Description of the deliverable

All project partners responsible for piloting events will deliver a report on required improvement for O.2.1.System dynamics model and O.2.4. Finalized system dynamics model and parity tool "WooP App". Reports will include expert interviews and questioners.

257 / 2,000 characters

Which output does this deliverable contribute to?

O.2.1., O.2.4.

15 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.3: Evaluation of piloting activities						
D.2.3: Report on required improvements on system dynamics model						

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 1 - Riga Technical University

A 2.4

5.6.2 Title of the group of activities

Updating system dynamics model and parity tool "WooP App"

57 / 100 characters

5.6.3 Description of the group of activities

D 2.3 will be used for implementing relevant corrections to system dynamics model and its Parity tool "WooP App". Changes made to system dynamics model will improve the WooP Apps ability to represent actual situation.

217 / 3,000 characters

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

O 2.4

Title of the output

Finalized system dynamics model and Parity tool as WooP App

59 / 100 characters

Description of the output

Final improvements to system dynamics model for sustainable use of wood biomass along with WooP App and it's manual will be made according to A2.3 deliverables. Final WooP App will be available on the the isee Exchange™ platform for free.

238 / 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 National public authority National policy planning, policymaker National ministries manage policy planning regarding some or all of the topics related to forestry and wood production: climate change, environmental protection, regional and local development, spatial planning, industrial, energy, construction consumer, and trade policy planning and implementation.	According to open access principles, project outcome WooP App will be available for fee on the isee Exchange™ online platform, ensuring its availability not only to policy and decision makers in BSR ensuring broader geographical coverage. National policy makers will be equipped with WooP App providing them with opportunity to evaluate potential impact of various policies before their implementation. Hence policy makers will be empowered to make evidence-based decisions on energy independence and climate neutrality. 520 / 1,000 characters
Target group 2 Interest group Multiple fields of responsibility: forestry planning and woodworking logistics, investment in innovations, new technologies. Many woodworking enterprises are operating in the BSR. Groups are represented by the most popular wood product producers: lyocell, particleboard, cross-laminated timber, and woodchip. Includes all the stakeholders interested in forestry and wood-working industry development: e.g., municipalities, private forest owners and cooperatives, SMEs from the woodworking industry.	Accessibility of the WooP App will ensure the ease of use all interested parties. Local municipalities like Gulbene, Preiļi and Riga (Latvia) have already expressed interest in project results. Institutions like Riga Energy Agency will be able to determine most sustainable way of local wood stock. 298 / 1,000 characters
Target group 3 Business support organisation Investment planning; economic sector: production, services, energy. Latvia state-owned development finance institution ALTUM offers state aid for various target groups with the help of financial tools (such as loans, credit guarantees, investing in venture capital funds, etc.) in Latvia.	According to open access principles, project outcome WooP App will be available for fee on the isee Exchange™ online platform, business support organizations from BSR will be provided with the WooP App and its manual, ensuring the availability of the outcome. Experts from business support organizations will be equipped with WooP App providing them with opportunity to evaluate potential impact of various support mechanisms. Hence investment planning could be based on scenario analysis. 490 / 1,000 characters
Target group 4 Regional public authority Regional policy planning and implementation Under the procedure laid down by law, national governments have delegated certain functions to regions and municipalities. Regional public authorities e.g. Latgale Planning Region in Latvia has a coordination function – to ensure collaboration between local municipalities and national public authorities and represent regional interests on the national level.	Accessibility of the WooP App will ensure the longevity of this tool. Latgale Planning Region along with other Regional public authorities will be empowered in everyday work related wood parity optimization. 208 / 1,000 characters

Durability of the output

According to open access principles, project outcome WooP App will be available for free on the isee Exchange™ online platform, ensuring its availability on a broader geographical coverage for the relevant decision makers and planners in and outside BSR. Link to the WooP App will be available on LP, PP2, PP3, PP4, PP6 and PP7 sites.

334 / 1,000 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.2: WP2 Piloting and evaluating solutions						
A.2.4: Updating system dynamics model and parity tool "WooP App"						
O.2.4: Finalized system dynamics model and Parity tool as WooP App						

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 1 - Riga Technical University

Work package leader 2 PP 6 - Latgale planning region

5.4 Work package budget

Work package budget 35%

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	Business support organisation Investment planning; economic sector: production, services, energy. Latvia state-owned development finance institution ALTUM offers state aid for various target groups with the help of financial tools (such as loans, credit guarantees, investing in venture capital funds, etc.) in Latvia. 288 / 500 characters	Experts and decision makers from the Business support organization target group will be invited to project events and manual of WooP App will be sent to relevant organizations in all BSR. 189 / 1,000 characters
2	National public authority National policy planning, policymaker National ministries manage policy planning regarding some or all of the topics related to forestry and wood production: climate change, environmental protection, regional and local development, spatial planning, industrial, energy, construction consumer, and trade policy planning and implementation. 338 / 500 characters	As the main target group of the project national public authority representatives will be reached through targeted communication which will be maintained throughout the project implementation (the input form national policy makers is sought also in GoA 1.3. and 2.2.). Their continuous involvement will ensure that at the end of the project they are familiar with the capabilities of the Parity tool and the tool is also adjusted as much as possible to the needs of policy makers. Technically, the information dissemination to the national public authority representatives will be carried out through informative events (seminars) and a dedicated workshop (including training on tool use). 690 / 1,000 characters
3	Regional public authority Regional policy planning and implementation Under the procedure laid down by law, national governments have delegated certain functions to regions and municipalities. Regional public authorities e.g. Latgale Planning Region in Latvia has a coordination function – to ensure collaboration between local municipalities and national public authorities and represent regional interests on the national level. 405 / 500 characters	As one of the main target groups of the project regional public authority representatives will be reached through targeted communication which will be maintained throughout the project implementation (the input form national policy makers is sought also in GoA 1.3. and 2.2.). Their continuous involvement will ensure that at the end of the project they are familiar with the capabilities of the Parity tool and understand the benefits of its application for their planning needs. Technically, the information dissemination to the regional public authority representatives will be carried out through informative events (seminars), a dedicated workshop (including training on tool use), and international experience exchange events. 735 / 1,000 characters

	Target group	How do you plan to reach out to and engage the target group?
4	Interest group Multiple fields of responsibility: forestry planning and woodworking logistics, investment in innovations, new technologies. Many woodworking enterprises are operating in the BSR. Groups are represented by the most popular wood product producers: lyocell, particleboard, cross-laminated timber, and woodchip. Includes all the stakeholders interested in forestry and wood-working industry development: e.g., municipalities, private forest owners and cooperatives, SMEs from the woodworking industry. 499 / 500 characters	Increasing public awareness regarding carbon neutrality, circular economy and energy independence is an important aim of this project. Project results will be disseminated to the public by using target group specific measures- an online cartoon about the vast applications of wood and its by-products would be targeted at school children to deliver an educational and captivating content to enhance their interest on this topic. On the other hand, public podcast will be targeted at adults to provide science based and practically approbated information about the novelties regarding the topics covered within this project. Practitioners and entrepreneurs of woodworking sector will be informed during educational workshop including the state of art information regarding wood product market opportunities and, as well, with an emphasis on the information about value added production carbon neutrality options within this sector. 930 / 1,000 characters
5	Higher education and research institution Research institutions participate in the COMPASS consortium to ensure essential responsibilities regarding forest biomass, higher value-added products, product life cycle assessments, system dynamics modeling, and energy use. Bringing together 3 of the 4 BSR countries with more than 60% forest cover. In addition, the research institution from Poland could provide expertise on the use of forest and wood residues, thus bringing a valuable addition to the model on the circular use of wood biomass. 499 / 500 characters	The international scientific community is a significant target group of the project as the outcomes and insights (forest data inventory, wide application of remote sensing technologies, system dynamics model, developed wood application solutions) of this project will be valuable also for the continuous development of carbon neutrality, circular economy and energy independence research worldwide. The international scientific community will be informed on the scientific results through preparation of scientific research papers that will be published in high impact peer reviewed scientific journal, as well through participation, communication and interaction through presenting the outcomes of the research in international scientific conferences. One module of international scientific conference in Riga will be devoted to wood use optimization in Eastern European countries and Nordic countries. 903 / 1,000 characters

5.6 Activities, deliverables, outputs and timeline

No.	Name
3.1	**Capacity building of policy makers**
3.2	**Increase knowledge and skills of scientific community to support data based decision-making**
3.3	**Elucidate civil society, NGOs and other target groups**

WP 3 Group of activities 3.1

5.6.1 Group of activities leader

Group of activities leader PP 6 - Latgale planning region

A 3.1

5.6.2 Title of the group of activities

Capacity building of policy makers

34 / 100 characters

5.6.3 Description of the group of activities

Regional and National policy makers as the main target groups will be informed in multiple ways, hence A3.1 will be the most time-consuming part of WP3. Multiple tasks are included in A 3.1:
• Conduct at least 3 informative and interactive thematic seminars on system dynamics model and wood parity tool “WooP App” as a useful tool for facilitating circular economy and energy independence
• Organize and conduct 4 Workshops on Parity tool use in each partner country
• Organize final Conference bringing together target groups around the Baltic Sea, including from countries not in the partnership (e.g. Sweden, Lithuania etc.).

630 / 3,000 characters

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

D 3.1

Title of the deliverable

Report on Capacity building of policy makers

44 / 100 characters

Description of the deliverable

The Parity tool will be available online for all interested parties. Knowledge transfer to policy makers will be ensured by the direct communication.

150 / 2,000 characters

Which output does this deliverable contribute to?

O.2.4

5 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.1: Capacity building of policy makers					■	■
D.3.1: Report on Capacity building of policy makers						■

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 1 - Riga Technical University

A 3.2

5.6.2 Title of the group of activities

Increase knowledge and skills of scientific community to support data based decision-making

92 / 100 characters

5.6.3 Description of the group of activities

To ensure knowledge transfer to scientific community, at least two scientific publications will be published in high impact (at least Q2) peer reviewed journal and scientific discussions carried out within online seminars. In addition, module of international scientific conference will be devoted to project topics to promote further international collaboration and result dissemination.

388 / 3,000 characters

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

D 3.2

Title of the deliverable

Session of International Scientific conference CONECT Riga

58 / 100 characters

Description of the deliverable

Session on the wood biomass optimization use in international scientific conference will provide a platform to the project team to disseminate project result on a broader geographical coverage. CONECT has been chosen for result dissemination due to geographical coverage, according to data from previous venues, participants from around 20 countries are expected to participate.

378 / 2,000 characters

Which output does this deliverable contribute to?

O.2.1.

6 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.2: Increase knowledge and skills of scientific community to support data based decision-making						
D.3.2: Session of International Scientific conference CONECT Riga						

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 3 - INSTITUTE OF SOIL SCIENCE AND PLANT CULTIVATION RESEARCH STATE INSTITUTE

A 3.3

5.6.2 Title of the group of activities

Elucidate civil society, NGOs and other target groups

53 / 100 characters

5.6.3 Description of the group of activities

To ease the public acceptance of project results, society will be informed on the potential of wood biomass in circular economy. Communication methods will be chosen according to target audience e.g.:
Podcast “Sustainable worlds” for age group 34-54
Online video for school age and groups without previous knowledge on circular economy will be created by Riga Technical University, In addition, Latgale Planning Region will develop video for woodworking industry.
Seminars for wood working industry will take place in Latvia and Poland. PP3 as A3.3 leader will inform and educate society and NGOs in Poland's Science festival.

627 / 3,000 characters

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

D 3.3

Title of the deliverable

Five podcast episodes on project results

41 / 100 characters

Description of the deliverable

Podcast episodes will be recorded involving all project partners interchangeably ensuring topicality in all project partner countries.

134 / 2,000 characters

Which output does this deliverable contribute to?

O.2.4.

6 / 100 characters

5.6.6 Timeline

Period:	1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.3: Elucidate civil society, NGOs and other target groups						
D.3.3: Five podcast episodes on project results						

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	2	N/A	N/A	**RCR 104 - Solutions taken up or up-scaled by organisations**	2	The developed WooP App (based on System Dynamics modelling, LCA and Carbon accounting and is provided to users as an online simulation interface) is intended for national and regional policy makers as weall as other target groups, like business support organizations, and other interest groups. By taking into account the availability of specific woody biomass and the preferences of the timber industry (depending on the region and the scale of the investigation), the WooP App will allow intuitive scenario analysis - without the need for policy makers to have in-depth knowledge of the structural composition of the system dynamics model. Therefore the developed WooP App is intended as user friendly web-app, not only for the target organizations involved in the project during development of the app, but also for other target group's stakeholders that will gain value from it. With the user friendly interface and the provided user manuals it will be easy for policy makers to take it up and examine various development scenarios by adjusting the inputs of the simulation to the values representing their region. The App outputs will provide compiled scenario results, including amount of mitigated CO2 and required portfolio of actions (biomass use alternatives). The app built-in alternatives for various scenarios will meet needs of policy makers from all BSR and beyond. The results of forestry and wood policy modelling will include wood product groups and certain additional values, so that investments in R&D can be planned to balance the use of wood and the amount of CO2 sequestered on the national level and in municipalities as well. WooP App will impower business support institutions and companies to anticipate future trends and adapt more quickly to changes in wood use and demand. Provide an incentive to reorient the wood-based manufacturing sector towards higher value-added products and the circular economy. 1,933 / 2,000 characters
RCO 116 – Jointly developed solutions	2	O.2.1: System dynamics model	The system dynamics (SD) model will integrate an immense set of data on wood resources, residues and further uses of wood, as well as stored CO2. SD model is the most appropriate method for mathematical representation of complex systems. In the future, the model can be easily updated with up-to-date information and additional products to ensure the model's continuity. 372 / 1,000 characters			
		O.2.4: Finalized system dynamics model and Parity tool as WooP App	By transposing complex circular bioeconomy and energy problems onto computer screen with simple interface and required indicators, policy makers and other decision makers from identifies target groups will be impowered with a tool that allows them to evaluate the implications of their planned actions. 302 / 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	16	**PSR 1 - Organisations with increased institutional capacity due to their participation in cooperation activities across borders**	20	Project partners and associated organisations	Most active policy and decision maker will be Latgale Planning region, as a pilot region they will be strongly involved in WooP App development, piloting and result dissemination. All project partners and associated partners will serve as hub for expert involvement and result dissemination. Although some private enterprises have expressed interest in the WooP App use, it will mostly be targeted to decision makers and policy actors e.g. energy associations, State forest managers and business support organizations. In addition to WooP App development, more precise method for wood stock tracking will be promoted, elucidating target groups on the importance of bioresource tracking. Hence, it is planned that all target groups will not only be more impowered in evidence-based decision making and policy development, but also more knowledgeable on circularity of bioresources. 880 / 1,500 characters
				Other organisations	Representatives from institutions like Latvia Investment and Development Agency, The Ministry of Climate and Environment of Poland, The Marshall's Office of Lubelskie Voivodeship, General Directorate of the State Forests of Poland, Ministry of Agriculture and Forestry of Finland have expressed their interest in project results. It is expected that representatives from such organizations will participate in project events and learn on WooP App capabilities, hence they will further serve as ambassadors for WooP App to other interested parties from identified target groups. 577 / 1,500 characters

7. Budget

7.0 Preparation costs

Preparation Costs

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

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

No. & role	Partner name	Partner status	CAT1 - Staff	CAT2 - Office & administration	CAT3 - Travel & accommodation
1 - LP	Riga Technical University	Active 22/09/2022	323,507.16	48,526.07	48,526.07
2 - PP	Natural Resources Institute Finland	Active 22/09/2022	132,192.00	19,828.80	19,828.80
3 - PP	INSTITUTE OF SOIL SCIENCE AND PLANT CULTIVATION RESEARCH STATE INSTITUTE	Active 22/09/2022	124,000.00	18,600.00	18,600.00
4 - PP	Estonian University of Life Sciences	Active 22/09/2022	142,307.69	21,346.15	21,346.15
5 - PP	Institute of Electronics and Computer Science	Active 22/09/2022	184,877.54	27,731.63	27,731.63
6 - PP	Latgale planning region	Active 22/09/2022	134,160.00	20,124.00	20,124.00
7 - PP	ŁUKASIEWICZ RESEARCH NETWORK - POZNAŃ INSTITUTE OF TECHNOLOGY	Active 22/09/2022	103,800.00	15,570.00	15,570.00
Total			1,144,844.39	171,726.65	171,726.65

No. & role	Partner name	CAT4 - External expertise & services	CAT5 - Equipment	Total partner budget
1 - LP	Riga Technical University	27,880.02	0.00	448,439.32
2 - PP	Natural Resources Institute Finland	71,800.00	0.00	243,649.60
3 - PP	INSTITUTE OF SOIL SCIENCE AND PLANT CULTIVATION RESEARCH STATE INSTITUTE	40,500.00	0.00	201,700.00
4 - PP	Estonian University of Life Sciences	15,000.01	0.00	200,000.00
5 - PP	Institute of Electronics and Computer Science	0.00	0.00	240,340.80
6 - PP	Latgale planning region	57,000.00	3,000.00	234,408.00
7 - PP	ŁUKASIEWICZ RESEARCH NETWORK - POZNAŃ INSTITUTE OF TECHNOLOGY	22,100.00	0.00	157,040.00
Total		234,280.03	3,000.00	1,725,577.72

7.1.1 External expertise and services

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value
6. Latgale planning	Communication	CAT4-PP6-C-0	3 Seminars about circular economy. (34 / 100 characters)	No	3.1 3.2 3.3	9,000.00
6. Latgale planning	Events/meetings	CAT4-PP6-A-0	18 Meetings with local target group in each municipality (56 / 100 characters)	No	2.1 2.2 2.3	9,000.00
6. Latgale planning	Events/meetings	CAT4-PP6-A-0	Organizing of meetings with wood scientists/wood institutes in LV (65 / 100 characters)	No	1.1 1.2 1.3 2.1 2.2 2.3	4,000.00
6. Latgale planning	Events/meetings	CAT4-PP6-A-0	Organizing Study visit to Poland Wood Technology Institute (10 persons) (72 / 100 characters)	No	3.1 3.2 3.3	10,000.00
6. Latgale planning	Events/meetings	CAT4-PP6-A-0	Organizing regional event for representing elaborated tool for policy makers (76 / 100 characters)	No	3.1	20,000.00
6. Latgale planning	Communication	CAT4-PP6-C-0	Elaborating video about wood resources in region (48 / 100 characters)	No	3.3	5,000.00
3. INSTITUTE OF	Specialist support	CAT4-PP3-E-0	Expert support (14 / 100 characters)	No	1.1 2.1	5,000.00
3. INSTITUTE OF	Events/meetings	CAT4-PP3-A-0	Organisation of event (21 / 100 characters)	No	1.1 1.2 1.3 1.4 2.1 2.2 2.3 2.4 3.1 3.2 3.3	11,000.00
	Total					234,280.03

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value
3. INSTITUTE OF	Specialist support	CAT4-PP3-E-0	Travel of external expert 25 / 100 characters	No	1.3 2.1 2.2 3.1 3.3	1,500.00
3. INSTITUTE OF	Communication	CAT4-PP3-C-1	Promotional activities 22 / 100 characters	No	3.1 3.2 3.3	15,000.00
3. INSTITUTE OF	Other	CAT4-PP3-G-1	Market analysis 15 / 100 characters	No	1.1 2.1	8,000.00
1. Riga Technical U	Communication	CAT4-PP1-C-1	Training material printed versions (User manual) 48 / 100 characters	No	2.4	4,000.00
1. Riga Technical U	Communication	CAT4-PP1-C-1	User manual video version 25 / 100 characters	No	2.4 3.1	5,000.00
1. Riga Technical U	Events/meetings	CAT4-PP1-A-1	Educational events 18 / 100 characters	No	3.1 3.2 3.3	1,000.00
1. Riga Technical U	Events/meetings	CAT4-PP1-A-1	Workshop (group model building) 31 / 100 characters	No	1.3 2.1	500.00
1. Riga Technical U	Communication	CAT4-PP1-C-1	Opening conference 18 / 100 characters	No	3.1	2,000.00
1. Riga Technical U	Communication	CAT4-PP1-C-1	Podcasts 8 / 100 characters	No	3.1 3.3	800.00
1. Riga Technical U	Communication	CAT4-PP1-C-1	Communication video for students 32 / 100 characters	No	3.2	2,000.00
1. Riga Technical U	Communication	CAT4-PP1-C-1	Printed informative material 28 / 100 characters	No	3.1 3.2 3.3	2,000.00
1. Riga Technical U	Communication	CAT4-PP1-C-2	Scientific communication CONECT conference 42 / 100 characters	No	3.2	1,500.00
	Total					234,280.03

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
1. Riga Technical U	Specialist support	CAT4-PP1-E-2	Translating and editing for training material printed versions (User manual) 76 / 100 characters	No	2.4 3.1	500.00	
1. Riga Technical U	Other	CAT4-PP1-G-2	2 Project banners 17 / 100 characters	No	2.1 2.2 3.1 3.2 3.3	80.02	
1. Riga Technical U	Communication	CAT4-PP1-C-2	Participation in scientific conference, and publishing. 55 / 100 characters	No	3.2	4,000.00	
1. Riga Technical U	Events/meetings	CAT4-PP1-A-2	3 Social dinner project partners 32 / 100 characters	No	1.3 1.4 2.1 2.2 2.3 3.1 3.2 3.3	4,500.00	
2. Natural Resource	Events/meetings	CAT4-PP2-A-2	Workshop costs 14 / 100 characters	No	1.1 1.2 1.3 1.4 2.1 2.2	10,000.00	
2. Natural Resource	Specialist support	CAT4-PP2-E-2	Translating costs 17 / 100 characters	No	2.4	1,800.00	
2. Natural Resource	Communication	CAT4-PP2-C-2	Participation in scientific conference 38 / 100 characters	No	3.2	20,000.00	
2. Natural Resource	Events/meetings	CAT4-PP2-A-2	Participation in event, Registration fee 40 / 100 characters	No	1.1 1.2 1.3 1.4 2.1 2.2 2.3 2.4 3.1	30,000.00	
	Total					234,280.03	

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
2. Natural Resource	Other	CAT4-PP2-G-2	Study and survey 16 / 100 characters	No	1.3 1.4 2.1 2.2	10,000.00	
4. Estonian Universi	Events/meetings	CAT4-PP4-A-3	Workshop costs 14 / 100 characters	No	1.3 1.4 2.1 2.2 3.1 3.2 3.3	10,000.00	
4. Estonian Universi	Communication	CAT4-PP4-C-3	Scientific conference organization 34 / 100 characters	No	3.2	1,500.00	
4. Estonian Universi	Specialist support	CAT4-PP4-E-3	Manual translating costs 24 / 100 characters	No	2.4 3.1	500.01	
4. Estonian Universi	Events/meetings	CAT4-PP4-A-3	Events for municipalities 25 / 100 characters	No	1.4 2.1 2.2 3.1	3,000.00	
7. ŁUKASIEWICZ	Specialist support	CAT4-PP7-E-3	Expert support 14 / 100 characters	No	1.3 1.4 2.1	5,000.00	
7. ŁUKASIEWICZ	Events/meetings	CAT4-PP7-A-3	Organization of event, experience exchange 43 / 100 characters	No	3.1 3.3	8,000.00	
7. ŁUKASIEWICZ	Other	CAT4-PP7-G-3	Travel of external experts 26 / 100 characters	No	1.3 1.4 2.1 2.2 3.1 3.3	1,500.00	
7. ŁUKASIEWICZ	Specialist support	CAT4-PP7-E-3	Market analysis 15 / 100 characters	No	1.1 1.2	5,000.00	
7. ŁUKASIEWICZ	Communication	CAT4-PP7-C-3	Promotional activities 22 / 100 characters	No	3.1 3.3	2,600.00	
	Total					234,280.03	

7.1.2 Equipment

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value	
6. Latgale planning	IT hardware and soft	CAT5-PP6-B-0	2 Laptops 9 / 100 characters	No	1.1 1.2 1.3 1.4 2.1 2.2 2.3 2.4 3.1 3.2 3.3	3,000.00	
	Total					3,000.00	

7.1.3 Infrastructure and works

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

7.2 Planned project budget per funding source & per partner

No. & role	Partner name	Partner status	Country	Funding source	Co-financing rate [in %]	Total [in EUR]	Programme co-financing [in EUR]	Own contribution [in EUR]	State aid instrument
1-LP	Riga Technical University	Active 22/09/2022	LV	ERDF	80.00 %	448,439.32	358,751.45	89,687.87	For each partner, the State aid relevance and applied aid measure are defined in the **State aid section**
2-PP	Natural Resources Institute Finland	Active 22/09/2022	FI	ERDF	80.00 %	243,649.60	194,919.68	48,729.92	
3-PP	INSTITUTE OF SOIL SCIENCE AND PLANT CULTIVATION RESEARCH STATE INSTITUTE	Active 22/09/2022	PL	ERDF	80.00 %	201,700.00	161,360.00	40,340.00	
4-PP	Estonian University of Life Sciences	Active 22/09/2022	EE	ERDF	80.00 %	200,000.00	160,000.00	40,000.00	
5-PP	Institute of Electronics and Computer Science	Active 22/09/2022	LV	ERDF	80.00 %	240,340.80	192,272.64	48,068.16	
6-PP	Latgale planning region	Active 22/09/2022	LV	ERDF	80.00 %	234,408.00	187,526.40	46,881.60	
7-PP	ŁUKASIEWICZ RESEARCH NETWORK - POZNAŃ INSTITUTE OF TECHNOLOGY	Active 22/09/2022	PL	ERDF	80.00 %	157,040.00	125,632.00	31,408.00	
Total ERDF						1,725,577.72	1,380,462.17	345,115.55	
Total						1,725,577.72	1,380,462.17	345,115.55	

7.3 Spending plan per reporting period

	EU partners (ERDF)		Total	
	Total	Programme co-financing	Total	Programme co-financing
Period 1	260,000.00	208,000.00	260,000.00	208,000.00
Period 2	260,000.00	208,000.00	260,000.00	208,000.00
Period 3	350,000.00	280,000.00	350,000.00	280,000.00
Period 4	285,000.00	228,000.00	285,000.00	228,000.00
Period 5	285,000.00	228,000.00	285,000.00	228,000.00
Period 6	285,577.72	228,462.17	285,577.72	228,462.17
Total	1,725,577.72	1,380,462.17	1,725,577.72	1,380,462.17