

1. Identification

Call

R2 - split

Date of submission

09/01/2020

1.1. Project name

Rural RDI milieus in transition towards smart Bioeconomy Clusters and Innovation Ecosystems

92 / 250 characters

1.2. Project acronym

RD12CluB

8 / 20 characters

1.3. Priority

1. Capacity for innovation

1.4. Programme specific objective

1.2 Smart specialisation: To enhance growth opportunities based on increased capacity of innovation actors to apply smart specialisation approach

1.5. Project duration

Contracting start	25/05/2017	Contracting end	30/09/2017
Implementation start	01/10/2017	Implementation end	30/09/2020
		Duration of implementation phase (months)	36
Closure start	01/10/2020	Closure end	31/12/2020

1.6. Summary of the project

Rural BSR areas have abundant natural resources, but have challenges to reach their full bioeconomy potential due to limited human capital and lack of agglomeration economies. Rural partner regions of RD12CluB may be called organizationally thin regional innovation systems (RIS) with low levels of firm clustering and a weak endowment with knowledge generation organizations. Due to few actors, regional knowledge exchange is limited and occurs mainly among local actors. SMEs in these regions are mostly in traditional, resource-based industries. Besides the possibilities provided by smart specialization (S3) processes, the regions need extraregional knowledge and networking pipelines to strengthen their competitiveness. In transnational cooperation the partner regions create organizationally thicker and more complete RIS. This transnational cooperation will support a renewal of existing path for business development, and a formation of new regional development paths for higher added value products and knowledge-based jobs and growth.

RD12CluB aims to develop bioeconomy in rural BSR by increasing capacity of innovation actors to apply S3 approach. RD12CluB unites the actors in regional and transnational cooperation to (a) build a shared vision on regional bioeconomy performances and potentials, (b) focus joint efforts to the most potential subsectors and interfaces, (c) increase innovation capacity, and (d) promote cross-cluster learning for enhancing innovation and smart bioeconomy businesses. The ultimate aim is to support smart, sustainable and inclusive growth in bioeconomy in rural BSR areas. Target groups are authorities working in S3, RDI institutes and business development bodies. End-users are SMEs in bioeconomy. Civil society, NGOs, consumers etc. are also invited to the process.

Main outputs of RD12CluB include for example

- (a) Regional Bioeconomy Profiles for five regions to support S3 in rural bioeconomy
- (b) Operation Model for Innovation management (OMIM) for a transnational hub of four Bioeconomy Clusters/Innovation Ecosystems (BC/BIEs)
- (c) Open Virtual BSR Biobusiness Hub (OVBH) to manage the hub of BC/BIEs and the OMIM, to support innovation and SME involvement in the hub, to publish the outputs and to secure their durability, and to expand the hub outside the RD12CluB regions.

Expected results include

- (1) Achieved institutional knowledge of target groups e.g. through transnational piloting of the OMIM and the OVBH to ensure their applicability to support S3 of bioeconomy in different bioregions, and
 - (2) Strengthened capacity of four BC/BIEs (in FI, NO, PL, LV) to apply S3 approach for enhancing innovation and sustainable growth of rural bioeconomies.
- Further, Estonian innovation actors gain new knowledge for developing S3 of bioeconomy in Estonia and act as a pilot for dissemination of new knowledge developed in the project. The impact of RD12CluB reaches outside the partner regions to enhance S3 of bioeconomy in rural BSR.

2,997 / 3,000 characters

1.7. Summary of the partnership

Partnership is based on TRIPLE-HELIX in each partner region: RDI - partner in bioeconomy-related fields, BU - business development body representing SMEs, AU - authority responsible for strategic planning in the region. Each partner has special expertise needed in RD12CluB and are in key roles in their region in one or more of the following fields: RDI work and entrepreneurship in various bioeconomy subsectors, sustainability issues, innovation management, business development, clustering, S3 planning & implementation, benchmarking, networking and cooperation from regional to transnational level.

PRIVATE SECTOR represented by BU partners is involved in all actions in RD12CluB, and leads the development of Bioeconomy Clusters/Innovation Ecosystems (WP3) and a group of pilot actions (WP4). Other SME stakeholders are actively involved in these activities, and some of them (Bitcomp Ltd and Latvian food cluster) support the project also as associated partners.

Bioeconomy is complex and cuts across sectors. The MAIN PARTNERS, 12 organizations come from five different bioeconomy regions (FI, NO, PL, LV, EE). The regions have more or less different strengths and specializations in bioeconomy and they implement bioeconomy and circular economy from their own starting points. The regions are at different stages of S3 work and have different performance levels in bioeconomy. Bioeconomy is identified as one of the S3 priorities in all partner regions and there is a common will to develop bioeconomy. This combination of partnership and bioregions, and all partners' common goal to jointly develop bioeconomy, form excellent base for knowledge exchange, mutual and cross-cluster learning, adopting good practices, and for identification of interfaces that are fruitful for innovation and new business development across BSR area.

In Estonia, the bioeconomy strategy work is done at national level and is delayed. The establishment of the Bioeconomy Competence Center (the planned BU partner) is also delayed. Estonian RDI partner, SEI Tallinn, supported by Estonian Ministry of Rural Affairs as an associated partner, have wide cooperation networks for disseminating the RD12CluB results. Although Estonia has not 3-helix partnership in RD12CluB, the knowledge and experience shared and enhanced in the project are valuable for Estonian stakeholders for developing S3 in bioeconomy.

Wageningen Economic Research - WUR (NL) is associated partner that has special expertise on Bio-based Economy with unique data, models and knowledge offering insights and integral advice for policy and decision-making processes. WUR coordinated FP7 project "BERST" that developed the unique tools for smart specialization in bioeconomy. Those tools are exploited in RD12CluB in WP2. Other associated partners, BSSSC - The Baltic Sea States Subregional Co-operation and Nordic Council of Ministers' Office in Latvia, provide sustainable platform, channels and wide networks for dissemination.

2,990 / 3,000 characters

1.8. Changes compared to Concept Note

There are a few changes in the partnership:

- One of the Polish BU partners, EPRD Office for Economic Policy and Regional Development Ltd, acting in consultancy business, decided to withdraw from the consortium due to State aid relevancy. However, the remaining Polish BU partner (PP9) guarantees the triple-helix of Polish partnership.

- Estonian BU partner of Bioeconomy Competence Center is no more mentioned in the consortium, because its establishment as a legal body (which was expected to be realized at the end of May 2016) has been postponed so far. The delay concerns also the bioeconomy strategy work in Estonia. As the strategy work is done at national level in Estonia and Estonian Ministries do not participate as partners in BSR projects, the only Estonian partner in the project is SEI Tallinn. However, the Estonian Ministry of Rural Affairs responsible of bioeconomy related strategy work in Estonia is an associated partner and supports the participation of SEI Tallinn especially in WP2. SEI Tallinn has wide cooperation networks of public and private organizations as well as NGOs for disseminating the RD12CluB results. Even if Estonia is not providing the 3-helix partnership in RD12CluB, the knowledge and experience shared and enhanced in the project are valuable for Estonian stakeholders for developing S3 in bioeconomy.

- Latvia is a new partner country for RD12CluB that has now five participating countries. Vidzeme Planning Region is representing the Latvian AU partner and Institute for Environmental Solutions is the Latvian RDI partner in the RD12CluB consortium. The Latvian high added value and healthy food cluster is an associated BU partner completing the Latvian 3-helix cooperation in RD12CluB.

- We are glad to have also the Baltic Sea States Subregional Co-operation, the Nordic Council of Ministers' Office in Latvia, and Bitcomp Ltd as new associated partners.

1,921 / 2,000 characters

1.9. Project Budget Summary

Financial resources [in EUR]		Preparation costs	Planned project budget
ERDF	ERDF co-financing	12,000.00	1,503,682.49
	Own contribution ERDF	4,000.00	376,040.61
	ERDF budget	16,000.00	1,879,723.10
NO	NO co-financing	3,000.00	388,593.12
	Own contribution NO	1,000.00	388,593.13
	NO budget	4,000.00	777,186.25
ENI	ENI co-financing	0.00	0.00
	Own contribution ENI	0.00	0.00
	ENI 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	15,000.00	1,892,275.61
	Total own contribution	5,000.00	764,633.74
	Total budget	20,000.00	2,656,909.35

1.10. Lead Applicant Declaration

By signing this application form we on behalf of all project partners confirm that:

- 1. the project, neither in whole nor in part, has received or will receive any other additional EU funds (except for the funds indicated in this application form) for any of the activities presented in the work plan during the whole duration of the project;
- 2. all organisations that will receive programme co-financing have been listed as project partners in this application form;
- 3. the project partners listed in the application form are committed to take part in the project's activities and financing;
- 4. the project is in line with and the entire project partnership will act according to the relevant EU legislation, rules of Interreg Baltic Sea Region, as well as national/regional legislation and policies;
- 5. the project respects equal opportunities and non-discrimination and has no harmful impact on the environment;
- 6. information in this application form is accurate and true to the best of our knowledge.

In case of approval of the application by the Interreg Baltic Sea Region Monitoring Committee our organisation will take the role of the lead partner with all the responsibilities assigned to it.

Signature of the Leadpartner

If applicable, stamp of the Lead Partner

Signatory's name

Jussi Halttunen

Place and date













Signatory's position

Rector, Managing Director

2. Partnership

2.1. Overview: Project Partnership

Project Partners and Reserved Project Partners

Role	Organisation (English)	Organisation (Original)	Country	Partner budget in the project	Preparation costs	Organisation Type
PP 1	JAMK University of Applied Sciences	Jyväskylän ammattikorkeakoulu (JAMK)	 FI	555,048.55 €	6,500.00 €	Higher education and research institution
PP 2	Regional Council of Central Finland	Keski-Suomen liitto	 FI	205,772.75 €	1,500.00 €	Regional public authority
PP 3	SSYP Kehitys Oy Ltd.	SSYP Kehitys Oy	 FI	180,000.00 €	1,500.00 €	Business support organisation
PP 4	Inland Norway University of Applied Sciences	Høgskolen i Innlandet	 NO	412,500.00 €	1,500.00 €	Higher education and research institution
PP 5	Hedmark County Council (SUCCEEDED by PP13 (01.01.2020))	Hedmark Fylkeskommune (SUCCEEDED by PP13 (01.01.2020))	 NO	96,016.09 €	1,000.00 €	Regional public authority
PP 6	Tretorget Ltd	Tretorget AS	 NO	245,000.00 €	1,500.00 €	Sectoral agency
PP 7	Regional Science and Technology Center	Regionalne Centrum Naukowo-Technologiczne	 PL	164,070.85 €	1,000.00 €	Business support organisation
PP 8	Świętokrzyskie Voivodeship	Województwo Świętokrzyskie	 PL	116,173.45 €	1,500.00 €	Regional public authority
PP 9	Foundation for Education and Social Dialogue PRO CIMS	Fundacja Edukacji i Dialogu Społecznego PRO CIMS	 PL	105,515.00 €	1,500.00 €	Interest groups including NGOs
PP 10	Institute for Environmental Solutions	Vides risinājumu institūts	 LV	240,000.00 €	500.00 €	Interest groups including NGOs
PP 11	Vidzeme Planning Region	Vidzemes plānošanas reģions	 LV	200,000.00 €	1,000.00 €	Regional public authority
PP 12	Stockholm Environment Institute Tallinn Center	Stockholmi Keskkonnainstituudi Tallinna Keskus	 EE	113,142.50 €	1,000.00 €	Higher education and research institution
PP 13	Inland County Council	Innlandet fylkeskommune	 NO	23,670.16 €	0.00 €	Regional public authority

Associated Organisations

Role	Organisation (English)	Organisation (Original)	Country	Organisation Type
AO 1	Estonian Ministry of Rural Affairs	Maaeluministeerium	 EE	National public authority
AO 2	WUR - Wageningen Economic Research	WUR - Wageningen Economic Research	 NL	Higher education and research institution
AO 3	Bitcomp Group	Bitcomp Group	 FI	Small and medium enterprise
AO 4	Latvian High Added Value and Healthy Food Cluster	-	 LV	Business support organisation
AO 5	BSSSC - The Baltic Sea States Subregional Co-operation	BSSSC - The Baltic Sea States Subregional Co-operation	 NO	EGTC
AO 6	Nordic Council of Ministers' Office in Latvia	Ziemeļu Ministru padomes birojs Latvijā	 LV	EGTC

2.2 Project Partner Details - Partner 1

Partner Information

Organisation in original language	Jyväskylän ammattikorkeakoulu (JAMK)	36 / 250 characters
Organisation in English	JAMK University of Applied Sciences	35 / 250 characters
Department in original language	Biotalousinstituutti	20 / 250 characters
Department in English	Institute of Bioeconomy	23 / 250 characters

Localisation

Address	Tuomalanatie 17	14 / 250 characters	Country	Finland
Postal Code	FI-43130	8 / 250 characters	NUTS1 code	MANNER-SUOMI
Town	Tarvaala	8 / 250 characters	NUTS2 code	Länsi-Suomi
Website	www.jamk.fi	11 / 100 characters	NUTS3 code	Keski-Suomi
Organisation identification No.	1006550-2	9 / 100 characters		
Type of register	Finnish Patent and Registration Office, Trade Register	54 / 250 characters		

Contact Information

Legal Representative		Contact Person			
Position	Rector, Managing Director	26 / 250 characters	Position	Project Manager	15 / 250 characters
Given name	Jussi	6 / 250 characters	Given name	Anna	4 / 250 characters
Family name	Halttunen	9 / 250 characters	Family name	Aalto	5 / 250 characters
Email	jussi.halttunen@jamk.fi	23 / 250 characters	Email	anna.aalto@jamk.fi	18 / 250 characters
Phone	+ 358 400 644 913		Phone	+ 358 406 402 346	
Mobile	+ 358 400 644 913		Mobile	+ 358 406 402 346	

Partner Description

Legal status

b) Bodies governed by public law

Source of contribution

public

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

No

Type of partner

Higher education and research institution

university faculty, college, research institution, RTD facility, research cluster, etc.

2.2 Project Partner Details - Partner 2

Partner Information

Organisation in original language	Keski-Suomen liitto	19 / 250 characters
Organisation in English	Regional Council of Central Finland	35 / 250 characters
Department in original language	-	1 / 250 characters
Department in English	-	1 / 250 characters

Localisation

Address	Cygnaeuksenkatu 1	17 / 250 characters	Country	Finland
Postal Code	FI-40100	8 / 250 characters	NUTS1 code	MANNER-SUOMI
Town	Jyväskylä	9 / 250 characters	NUTS2 code	Länsi-Suomi
Website	www.keskisuomi.fi	18 / 100 characters	NUTS3 code	Keski-Suomi
Organisation identification No.	FI08301553	10 / 100 characters		
Type of register	VAT (Tax authority)	19 / 250 characters		

Contact Information

Legal Representative		Contact Person	
Position	Acting Director	Position	Project Manager
	15 / 250 characters		16 / 250 characters
Given name	Pekka	Given name	Suvi
	6 / 250 characters		5 / 250 characters
Family name	Hokkanen	Family name	Bayr
	8 / 250 characters		4 / 250 characters
Email	pekka.hokkanen@keskisuomi.fi	Email	suvi.bayr@keskisuomi.fi
	28 / 250 characters		23 / 250 characters
Phone	+ 358 405 950 016	Phone	+ 358 406 523 848
Mobile	+ 358 405 950 016	Mobile	+ 358 406 523 848

Partner Description

Legal status	a) National (governmental), regional and local public authorities	
Source of contribution	public	
Is your organisation entitled to recover VAT related to the EU funded project activities?	No	
Type of partner	Regional public authority	regional council, etc.

2.2 Project Partner Details - Partner 3

Partner Information

Organisation in original language	SSYP Kehitys Oy	15 / 250 characters
Organisation in English	SSYP Kehitys Oy Ltd.	20 / 250 characters
Department in original language	-	1 / 250 characters
Department in English	-	1 / 250 characters

Localisation

Address	PL 13/Sivulantie 11	19 / 250 characters	Country	Finland
Postal Code	43100	5 / 250 characters	NUTS1 code	MANNER-SUOMI
Town	Saarijärvi	10 / 250 characters	NUTS2 code	Länsi-Suomi
Website	www.ssypkehitys.fi	18 / 100 characters	NUTS3 code	Keski-Suomi
Organisation identification No.	FI 2410366-1	12 / 100 characters		
Type of register	Business register	17 / 250 characters		

Contact Information

Legal Representative		Contact Person			
Position	CEO	3 / 250 characters	Position	Project Specialist	18 / 250 characters
Given name	Olavi	6 / 250 characters	Given name	Tiina	6 / 250 characters
Family name	Nolte	5 / 250 characters	Family name	Tarvainen	9 / 250 characters
Email	olavi.nolte@ssypkiinteistot.fi	30 / 250 characters	Email	tiina.tarvainen@ssypkehitys.fi	30 / 250 characters
Phone	+ 358 444 598 294		Phone	+ 358 442 305 042	
Mobile	+ 358 444 598 294		Mobile	+ 358 442 305 042	

Partner Description

Legal status	b) Bodies governed by public law	
Source of contribution	public	
Is your organisation entitled to recover VAT related to the EU funded project activities?	Yes	
Type of partner	Business support organisation	chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc.

2.2 Project Partner Details - Partner 4

Partner Information

Organisation in original language	Høgskolen i Innlandet	21 / 250 characters
Organisation in English	Inland Norway University of Applied Sciences	44 / 250 characters
Department in original language	Fakultet for anvendt økologi, jordbruksfag og bioteknologi	58 / 250 characters
Department in English	Faculty of Applied Ecology, Agricultural Sciences and Biotechnology	67 / 250 characters

Localisation

Address	P.O.Box 400	11 / 250 characters	Country	Norway
Postal Code	2418	4 / 250 characters	NUTS1 code	NORGE
Town	Elverum	7 / 250 characters	NUTS2 code	Hedmark og Oppland
Website	www.inn.no	10 / 100 characters	NUTS3 code	Hedmark
Organisation identification No.	918108467	9 / 100 characters		
Type of register	Register for legal entities	27 / 250 characters		

Contact Information

Legal Representative		Contact Person			
Position	Rector	6 / 250 characters	Position	Project Manager	16 / 250 characters
Given name	Kathrine	8 / 250 characters	Given name	Eirik	5 / 250 characters
Family name	Skretting	9 / 250 characters	Family name	Messelt	8 / 250 characters
Email	kathrine.skretting@inn.no	26 / 250 characters	Email	eirik.messelt@inn.no	20 / 250 characters
Phone	+ 4 762 430 000		Phone	+ 4 797 661 330	
Mobile	+ 4 792 493 041		Mobile	+ 4 797 661 330	

Partner Description

Legal status

b) Bodies governed by public law

Source of contribution

public

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

No

Type of partner

Higher education and research institution

university faculty, college, research institution, RTD facility, research cluster, etc.

2.2 Project Partner Details - Partner 5

Partner Information

Organisation in original language	Hedmark Fylkeskommune (SUCCEEDED by PP13 (01.01.2020))	54 / 250 characters
Organisation in English	Hedmark County Council (SUCCEEDED by PP13 (01.01.2020))	55 / 250 characters
Department in original language	-	1 / 250 characters
Department in English	-	1 / 250 characters

Localisation

Address	Parkgata 64	12 / 250 characters	Country	Norway
Postal Code	2325	4 / 250 characters	NUTS1 code	NORGE
Town	Hamar	6 / 250 characters	NUTS2 code	Hedmark og Oppland
Website	www.hedmark.org	16 / 100 characters	NUTS3 code	Hedmark
Organisation identification No.	942116217	9 / 100 characters		
Type of register	VAT registry	13 / 250 characters		

Contact Information

Legal Representative		Contact Person			
Position	County director	15 / 250 characters	Position	-	1 / 250 characters
Given name	Hanne	5 / 250 characters	Given name	Øyvind	7 / 250 characters
Family name	Varhaug-Søberg	15 / 250 characters	Family name	Nordstrand	11 / 250 characters
Email	hanne.søberg.varhaug@hedmark.org	32 / 250 characters	Email	oyvind.nordstrand@hedmark.org	29 / 250 characters
Phone	+ 4 762 544 469		Phone	+ 48 178 222	
Mobile	+ 4 762 544 469		Mobile	+ 48 178 222	

Partner Description

Legal status	a) National (governmental), regional and local public authorities	
Source of contribution	public	
Is your organisation entitled to recover VAT related to the EU funded project activities?	Yes	
Type of partner	Regional public authority	regional council, etc.

2.2 Project Partner Details - Partner 6

Partner Information

Organisation in original language	Tretorget AS	12 / 250 characters
Organisation in English	Tretorget Ltd	13 / 250 characters
Department in original language	–	2 / 250 characters
Department in English	-	1 / 250 characters

Localisation

Address	Box 368	7 / 250 characters	Country	Norway
Postal Code	2403	4 / 250 characters	NUTS1 code	NORGE
Town	Elverum	7 / 250 characters	NUTS2 code	Hedmark og Oppland
Website	www.tretorget.no	16 / 100 characters	NUTS3 code	Hedmark
Organisation identification No.	983375014	9 / 100 characters		
Type of register	VAT registry	12 / 250 characters		

Contact Information

Legal Representative		Contact Person			
Position	CEO	3 / 250 characters	Position	Project Manager	15 / 250 characters
Given name	Ola Erik	8 / 250 characters	Given name	Ingrid Hvidsten	15 / 250 characters
Family name	Rostad	6 / 250 characters	Family name	Gabrielsen	10 / 250 characters
Email	ola@tretorget.no	16 / 250 characters	Email	ingrid@tretorget.no	19 / 250 characters
Phone	+ 4 791 153 636		Phone	+ 4 793 097 495	
Mobile	+ 4 791 153 636		Mobile	+ 4 793 097 495	

Partner Description	
Legal status	f) Bodies having legal personality, but not fulfilling criteria i and/or iii under category b)
Source of contribution	private
Is your organisation entitled to recover VAT related to the EU funded project activities?	Yes
Type of partner	<div>Sectoral agency</div> <div>e.g. local or regional development agency, environmental agency, energy agency, employment agency, etc.</div>

2.2 Project Partner Details - Partner 7

Partner Information

Organisation in original language	Regionalne Centrum Naukowo-Technologiczne	41 / 250 characters
Organisation in English	Regional Science and Technology Center	38 / 250 characters
Department in original language	-	1 / 250 characters
Department in English	-	1 / 250 characters

Localisation

Address	Podzamcze 45	12 / 250 characters	Country	Poland
Postal Code	26-060	7 / 250 characters	NUTS1 code	REGION WSCHDNI
Town	Chęciny	7 / 250 characters	NUTS2 code	Świętokrzyskie
Website	www.rcnt.pl	11 / 100 characters	NUTS3 code	Kielecki
Organisation identification No.	959 18 66 812	13 / 100 characters		
Type of register	Tax identification number	25 / 250 characters		

Contact Information

Legal Representative		Contact Person			
Position	Director	8 / 250 characters	Position	Project Specialist	18 / 250 characters
Given name	Marcin	6 / 250 characters	Given name	Monika	6 / 250 characters
Family name	Zawierucha	10 / 250 characters	Family name	Malanowicz	10 / 250 characters
Email	marcin.zawierucha@rcnt.pl	25 / 250 characters	Email	monika.malanowicz@rcnt.pl	25 / 250 characters
Phone	+ 48 413 434 050		Phone	+ 48 413 434 050	
Mobile	+ 48 413 434 050		Mobile	+ 48 534 172 067	

Partner Description	
Legal status	a) National (governmental), regional and local public authorities
Source of contribution	public
Is your organisation entitled to recover VAT related to the EU funded project activities?	No
Type of partner	<div>Business support organisation</div> <div>chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc.</div>

2.2 Project Partner Details - Partner 8

Partner Information

Organisation in original language	Województwo Świętokrzyskie	26 / 250 characters
Organisation in English	Świętokrzyskie Voivodeship	26 / 250 characters
Department in original language	Gabinet Marszałka Województwa	29 / 250 characters
Department in English	Cabinet of the Marshal	22 / 250 characters

Localisation

Address	al. IX Wieków Kielc 3	21 / 250 characters	Country	Poland
Postal Code	25-516	6 / 250 characters	NUTS1 code	REGION WSCHODNI
Town	Kielce	6 / 250 characters	NUTS2 code	Świętokrzyskie
Website	www.sejmik.kielce.pl	20 / 100 characters	NUTS3 code	Kielecki
Organisation identification No.	REGON 291009337	15 / 100 characters		
Type of register	Business register	17 / 250 characters		

Contact Information

Legal Representative		Contact Person			
Position	Chief Specialist	17 / 250 characters	Position	Senior Specialist	17 / 250 characters
Given name	Magdalena	10 / 250 characters	Given name	Ewa	3 / 250 characters
Family name	Karpińska	9 / 250 characters	Family name	Walas	5 / 250 characters
Email	Magdalena.Karpinska@sejmik.kielce.pl	36 / 250 characters	Email	Ewa.Walas@sejmik.kielce.pl	26 / 250 characters
Phone	+ 48 413 421 370		Phone	+ 48 413 421 744	
Mobile	+ 48 790 798 498		Mobile	+ 48 667 565 810	

Partner Description

Legal status	a) National (governmental), regional and local public authorities	
Source of contribution	public	
Is your organisation entitled to recover VAT related to the EU funded project activities?	No	
Type of partner	Regional public authority	regional council, etc.

2.2 Project Partner Details - Partner 9

Partner Information

Organisation in original language	Fundacja Edukacji i Dialogu Społecznego PRO CIVIS	49 / 250 characters
Organisation in English	Foundation for Education and Social Dialogue PRO CIVIS	54 / 250 characters
Department in original language	Instytut Zarządzania Techniką i Technologią ITTM	48 / 250 characters
Department in English	Institute of Technics and Technology Management ITTM	53 / 250 characters

Localisation

Address	Szkolna 36A Street	18 / 250 characters	Country	Poland
Postal Code	25-604	6 / 250 characters	NUTS1 code	REGION WSCHODNI
Town	Kielce	6 / 250 characters	NUTS2 code	Świętokrzyskie
Website	www.procivils.org.pl	19 / 100 characters	NUTS3 code	Kielecki
Organisation identification No.	KRS 0000298129	14 / 100 characters		
Type of register	National Court Register	23 / 250 characters		

Contact Information

Legal Representative		Contact Person			
Position	President of the Board	22 / 250 characters	Position	Deputy Project Coordinator	26 / 250 characters
Given name	Tadeusz	7 / 250 characters	Given name	Ewelina	7 / 250 characters
Family name	Pęczek	6 / 250 characters	Family name	Piotrowska	10 / 250 characters
Email	office@procivils.org.pl	22 / 250 characters	Email	e.piotrowska@procivils.org.pl	28 / 250 characters
Phone	+ 48 413 453 271		Phone	+ 48 413 453 271	
Mobile	+ 48 602 183 263		Mobile	+ 48 413 453 271	

Partner Description	
Legal status	f) Bodies having legal personality, but not fulfilling criteria i and/or iii under category b)
Source of contribution	private
Is your organisation entitled to recover VAT related to the EU funded project activities?	No
Type of partner	<div>Interest groups including NGOs</div> <div>international organisation, trade union, foundation, charity, voluntary association, club, etc.</div>

2.2 Project Partner Details - Partner 10

Partner Information

Organisation in original language	Vides risinājumu institūts	26 / 250 characters
Organisation in English	Institute for Environmental Solutions	39 / 250 characters
Department in original language	-	1 / 250 characters
Department in English	-	1 / 250 characters

Localisation

Address	Lidlauks, Priekulji County, Priekulji Parish	42 / 250 characters	Country	Latvia
Postal Code	LV4101	6 / 250 characters	NUTS1 code	LATVIJA
Town	Priekulji	8 / 250 characters	NUTS2 code	Latvija
Website	www.videsinstituts.lv	21 / 100 characters	NUTS3 code	Vidzeme
Organisation identification No.	50008131571	11 / 100 characters		
Type of register	Register for legal entities	28 / 250 characters		

Contact Information

Legal Representative		Contact Person			
Position	Managing director	17 / 250 characters	Position	Project Manager	15 / 250 characters
Given name	Inese	5 / 250 characters	Given name	Roberts	7 / 250 characters
Family name	Suija-Markova	13 / 250 characters	Family name	Rotbergs	8 / 250 characters
Email	Inese.Suija@videsinstituts.lv	29 / 250 characters	Email	roberts.rotbergs@videsinstituts.lv	37 / 250 characters
Phone	+ 37 126 425 688		Phone	+ 37 126 392 616	
Mobile	+ 37 126 425 688		Mobile	+ 37 126 392 616	

Partner Description	
Legal status	f) Bodies having legal personality, but not fulfilling criteria i and/or iii under category b)
Source of contribution	private
Is your organisation entitled to recover VAT related to the EU funded project activities?	Partly
VAT explanation	<div>IES is entitled VAT from the commercial activities, and not from scientific, co-operation or dissemination activities. Therefore the BSR INTERREG funding will not be VAT-applicable.</div> <div>181 / 1,000 characters</div>
Type of partner	<div>Interest groups including NGOs</div> <div>international organisation, trade union, foundation, charity, voluntary association, club, etc.</div>

2.2 Project Partner Details - Partner 11

Partner Information

Organisation in original language	Vidzemes plānošanas reģions	27 / 250 characters
Organisation in English	Vidzeme Planning Region	23 / 250 characters
Department in original language	-	1 / 250 characters
Department in English	-	1 / 250 characters

Localisation

Address	Bērzaimes iela 5	16 / 250 characters	Country	Latvia
Postal Code	LV-4101	7 / 250 characters	NUTS1 code	LATVIJA
Town	Cēsis, Cēsu novads	18 / 250 characters	NUTS2 code	Latvija
Website	www.vidzeme.lv	14 / 100 characters	NUTS3 code	Vidzeme
Organisation identification No.	90002180246	11 / 100 characters		
Type of register	State Revenue Service	21 / 250 characters		

Contact Information

Legal Representative		Contact Person			
Position	Head of Administration	22 / 250 characters	Position	Project Manager	15 / 250 characters
Given name	Guna	4 / 250 characters	Given name	Santa	5 / 250 characters
Family name	Kalniņa-Priede	14 / 250 characters	Family name	Niedola	7 / 250 characters
Email	guna.kp@vidzeme.lv	18 / 250 characters	Email	santa.niedola@vidzeme.lv	24 / 250 characters
Phone	+ 37 164 116 008		Phone	+ 37 164 116 007	
Mobile	+ 37 129 477 997		Mobile	+ 37 126 674 261	

Partner Description			
Legal status	a) National (governmental), regional and local public authorities		
Source of contribution	public		
Is your organisation entitled to recover VAT related to the EU funded project activities?	No		
Type of partner	<table><tr><td>Regional public authority</td><td>regional council, etc.</td></tr></table>	Regional public authority	regional council, etc.
Regional public authority	regional council, etc.		

2.2 Project Partner Details - Partner 12

Partner Information

Organisation in original language	Stockholmi Keskkonnainstituudi Tallinna Keskus	46 / 250 characters
Organisation in English	Stockholm Environment Institute Tallinn Center	46 / 250 characters
Department in original language	-	1 / 250 characters
Department in English	-	1 / 250 characters

Localisation

Address	Erika 14	8 / 250 characters	Country	Estonia
Postal Code	10416	5 / 250 characters	NUTS1 code	EESTI
Town	Tallinn	7 / 250 characters	NUTS2 code	Eesti
Website	www.sei.ee; www.sei-international.org/tallinn	46 / 100 characters	NUTS3 code	Põhja-Eesti
Organisation identification No.	9000966	7 / 100 characters		
Type of register	Estonian Public Tax Register	28 / 250 characters		

Contact Information

Legal Representative		Contact Person			
Position	Director	8 / 250 characters	Position	-	1 / 250 characters
Given name	Lauri	5 / 250 characters	Given name	Kaja	4 / 250 characters
Family name	Tammiste	8 / 250 characters	Family name	Peterson	8 / 250 characters
Email	lauri.tammiste@sei.ee	22 / 250 characters	Email	kaja.peterson@sei.ee	21 / 250 characters
Phone	+ 3 726 276 102		Phone	+ 3 726 276 104	
Mobile	+ 3 725 257 978		Mobile	+ 3 725 022 578	

Partner Description

Legal status	<input type="text" value="b) Bodies governed by public law"/>	
Source of contribution	<input type="text" value="public"/>	
Is your organisation entitled to recover VAT related to the EU funded project activities?	<input type="text" value="No"/>	
Type of partner	<input type="text" value="Higher education and research institution"/>	<input type="text" value="university faculty, college, research institution, RTD facility, research cluster, etc."/>

2.2 Project Partner Details - Partner 13

Partner Information

Organisation in original language	Innlandet fylkeskommune	24 / 250 characters
Organisation in English	Inland County Council	21 / 250 characters
Department in original language	Næring og internasjonalt samarbeid	34 / 250 characters
Department in English	Business Development and International Relations	48 / 250 characters

Localisation

Address	Parkgata 64	11 / 250 characters	Country	Norway
Postal Code	2325	4 / 250 characters	NUTS1 code	NORGE
Town	Hamar	5 / 250 characters	NUTS2 code	Hedmark og Oppland
Website	www.innlandetfylke.no	22 / 100 characters	NUTS3 code	Hedmark
Organisation identification No.	920 717 152	11 / 100 characters		
Type of register	VAT registry	13 / 250 characters		

Contact Information

Legal Representative		Contact Person	
Position	County Councilor	Position	Advisor
	16 / 250 characters		8 / 250 characters
Given name	Trond	Given name	Øyvind
	5 / 250 characters		6 / 250 characters
Family name	Bamrud	Family name	Nordstrand
	6 / 250 characters		10 / 250 characters
Email	trond.bamrud@innlandetfylke.no	Email	oyvind.nordstrand@innlandetfylke.no
	30 / 250 characters		35 / 250 characters
Phone	+ 4 791 807 339	Phone	+ 4 748 178 222
Mobile	+ 4 791 807 339	Mobile	+ 4 748 178 222

Partner Description

Legal status	a) National (governmental), regional and local public authorities	
Source of contribution	public	
Is your organisation entitled to recover VAT related to the EU funded project activities?	Yes	
Type of partner	Regional public authority	regional council, etc.

3. Strategy

3.1. Challenge to be addressed

The authorities responsible for implementing S3 strategies for bioeconomy face challenges in bringing together the relevant actors, in mobilization the key stakeholders into actions, and convincing the businesses about opportunities of bioeconomy. Rural RDI institutes acting in the fields of bioeconomy need support for innovation management and new chances for transnational cross-sector learning. Business development bodies and SMEs in bioeconomy-related sectors have restricted possibilities for benchmarking, transnational cross-cluster learning, and for creating new connections between regions for business development. For instance, SMEs in bioeconomy businesses often generate organic waste in the production process, and are interested in process improvement for circular economy and in new processes for converting waste to valuable products. However SMEs have limited knowledge and capacities for new solutions development and for integrating circular economy principles in their business models. Therefore networking for knowledge sharing, specific expertise and learning is necessary for SMEs to allow them to use their untapped potential.

The main target groups are regional authorities working for S3, and rural RDI institutes and regional business development bodies operating in bioeconomy-related sectors. The end-users are SMEs in bioeconomy businesses. Other stakeholders are NGOs, consumers, etc. actors in civil society.

Despite abundant natural resources, rural BSR areas have challenges to reach their full bioeconomy potential. SMEs in these regions are mostly in traditional, resource-based industries. Due to few actors, regional knowledge exchange is limited and occurs mainly among local actors. Limited human capital, lack of agglomeration economies, low levels of firm clustering and a weak endowment with knowledge generation organizations are characteristic of organizationally thin regional innovation systems (RIS). The partner regions of RD2CluB may also be called thin RIS, and face similar challenges in their aspirations to develop bioeconomy. In addition to the possibilities provided by smart specialization (S3) processes, the RD2CluB regions need extraregional knowledge and networking pipelines to strengthen their competitiveness in bioeconomy.

Total bioeconomy or its subsectors are identified among S3 priorities in all regions participating in RD2CluB. The regions are in different development stages in developing and implementing S3 in bioeconomy.

- CENTRAL FINLAND is known for forest based bioeconomy. The region has ambitious goal to increase bioeconomy's added value from 1000ME in 2011 to 1800 ME in 2040 and labour from 15 000 in 2011 to 19000 in 2040. In the region with digital economy as another S3 priority, pilots for applying open ICT solutions to develop new local biomass supply value chains and their logistics are needed to enhance rural bioeconomy businesses and their profitability.
- INLAND COUNTY is home to a significant proportion of Norway's land-based biological resources, strong professional and expert environments and complete value chains for the management and development of a number of bio-based products. Inland region has a 'Bioeconomy Strategy for the Inland Region 2017-2024' guiding the smart specialisation in bioeconomy. Construction and wood building business is one area of priority, and pilots involving the whole value chain of wood to adapt to the circular economy, and responsible and sustainable business models would be needed as one option for boosting rural bioeconomy businesses and their profitability.
- ŚWIĘTOKRZYSKIE is a traditional rural area in central POLAND focused on bioeconomy. The region has defined several potential bioeconomy related sectors as S3 priorities e.g. food processing and sustainable energy. To implement S3 in the region, there is need to develop bioeconomy innovation ecosystem e.g. for the most potential cross-sectoral interfaces, and to involve also civil society to develop bioeconomy and to test innovations in practical pilots.
- VIDZEME PLANNING REGION in LATVIA has three specialization areas in bioeconomy: High value added wood products, production of healthy food and drinks, and biomass for chemical conversion and production of energy. Other specializations that may be related to bioeconomy are ICT and Recreation & sustainable tourism. Latvian actors are seeking for opportunities for transnational cooperation and cross-cluster learning. The small companies in healthy food business need help to identify not only technological opportunities, but also cost-efficient business models for circular economy.
- In ESTONIA the total production of 55 activity areas associated with bioeconomy was 11 billion euros in 2013, i.e. 1/3 of the total production of country's companies. Agricultural land per capita is twice as much in Estonia as in the rest of EU, and 50% of land is forest. The draft of Estonian development plan of Bioeconomy until 2030 stresses good bioeconomy potential, but identifying the goals and targets is still in preparation. For developing S3, the region needs help to identify the most potential bioeconomy subsectors and interfaces and to develop bioeconomy partnership.

RD2CluB aims to develop bioeconomy especially in rural BSR by uniting all innovation actors in regional and transnational cooperation to (a) build a shared vision on regional bioeconomy performances and potentials, (b) focus joint efforts to the most potential bioeconomy sectors and interfaces, (c) develop bioeconomy innovation ecosystems, (d) offer opportunities for transnational and cross-cluster learning to innovation actors and SMEs, and (e) pilot responsible and sustainable business models and newest technological applications for enhancing innovation for higher added value bioeconomy products and knowledge-based jobs and growth.

5,904 / 6,000 characters

3.2. Transnational value of the project

Rural BSR areas with abundant natural resources, but with limited human capital and lack of agglomeration economies, have challenges to reach their full bioeconomy potential. All partner regions of RD2CluB may be called organizationally thin regional innovation systems (RIS) with low levels of firm clustering and a weak endowment with knowledge generation organizations. Due to few actors, regional knowledge exchange is limited and occurs mainly among local actors. SMEs in these regions are mostly in traditional, resource-based industries. Besides the possibilities provided by smart specialization (S3) processes, the regions need extraregional knowledge and networking pipelines to strengthen their competitiveness. With transnational cooperation in RD2CluB, the partner regions create organizationally thicker and more complete RIS. That supports a renewal of existing path for business development, and a formation of new regional development paths for higher added value products and knowledge-based jobs and growth.

RD2CluB unites innovation actors in regions to transnational cooperation to (a) build a shared vision on regional bioeconomy performances and potentials, (b) focus joint efforts to the most potential bioeconomy sectors and interfaces, (c) increase innovation capacity, and (d) to promote cross-cluster learning for enhancing innovation and smart bioeconomy businesses in rural BSR areas. Transnational cooperation is necessary for joint cross-cluster learning process, benchmarking, creating new value chains and new opportunities for bioeconomy business, and on the whole, for improving the regional performance in bioeconomy. Transnational cooperation and benchmarking are necessary to produce the outputs and results of RD2CluB:

- (a) Creation and benchmarking of Regional Bioeconomy Profiles and Joint Action Plans to develop smart Bioeconomy Clusters/Innovation Ecosystems (BC/BIEs) in the partner regions, i.e. to support S3 implementation in rural bioeconomy in practice
- (b) Operation Model for Innovation Management (OMIM) for a transnational hub of four BC/BIEs
- (c) Open Virtual BSR Biobusiness Hub (OVBH) to support innovation management and SME involvement in the hub and to manage the hub, to publish the outputs of RD2CluB, and to secure the durability and the expansion of the hub and its membership to rural BSR outside the RD2CluB partner regions
- (d) The achieved institutional knowledge of the target groups through 1) transnational piloting of the above mentioned IMOM and OVBH, and 2) further testing them with local pilot cases to ensure applicability to support smart specialization of bioeconomy businesses in different bioregions
- (e) End-users, SMEs in bioeconomy businesses, will benefit by (i) improved support for developing new business ideas to innovations, (ii) facilitation of the commercialization process, and (iii) new opportunities for transnational cross-cluster learning and for building new business cooperation networks.

2,993 / 3,000 characters

3.3. Political and strategic background of the project

Europe 2020 strategy on smart and sustainable growth, EU Circular-economy and Bioeconomy strategies are background to RD2CluB project. Bioeconomy offers many opportunities for addressing all aspects of sustainability. RD2CluB is applying RIS3 approach to develop bioeconomy in rural BSR regions. Further, RD2CluB contributes to national and/or regional S3 strategies in the partner regions as follows.

Finland has set the course for a low-carbon and resource-efficient society and a sustainable economy. Sustainable bioeconomy plays a key role in reaching the goal. The objective of the Finnish Bioeconomy Strategy as well as of the Central Finland Strategy 2040 is to generate new economic growth and new jobs from an increase in the bioeconomy business and from high added value products and services while securing the operating conditions for the nature's ecosystems.

RD2CluB addresses those goals - common to all partner regions - by jointly developing smart Bioeconomy Clusters/Innovation Ecosystems (BC/BIEs) to enhance innovation for higher added value products & services for bioeconomy businesses especially in rural areas. Further, several RD2CluB partner regions (e.g. FI, LV, PL) have set ICT as one of the S3 priorities. RD2CluB pilots on open ICT solutions on new digital business opportunities and more efficient resource planning e.g. for forestry wood acquisition and logistics, air quality monitoring, or game population assessment, contribute to the regions' S3 priorities.

Inland County has a Bioeconomy Strategy for 2017-2024 that has a wide approach to related issues incl. circular economy and S3 methods. RD2CluB exploits different S3 methods for bioeconomy, and pilots the responsible and sustainable business models that maintain and improve ecological, social and cultural resources at the same time as business increases its market value. These pilots contribute to S3 strategies of several other RD2CluB regions, too.

Świętokrzyskie (PL) has set several bioeconomy related S3 priorities, and environmental protection especially local air pollution problem is cross-cutting all of them. RD2CluB pilot on innovative technologies reducing low altitude emissions with inclusion of civil society and businesses in the process is addressing to all S3 priorities. The pilot is a practical action responding to an Appeal of the Regional Council of Świętokrzyskie Voivodeship to all parties involved in the implementation of best environmental standards to maintain the high natural values of the region.

In Latvia, Vidzeme Planning Region's long term development strategy 2030 outlines three S3 priorities in bioeconomy: High value added wood products, production of healthy food and drinks, and biomass for chemical conversion and production of energy. RD2CluB pilots, e.g. drone applications for evaluation of forest food resources and the cost-efficient business models for circular economy address those priorities.

2,961 / 3,000 characters

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

The European Union Strategy for the Baltic Sea Region (EUSBSR) and its Action Plan are about joint problem-solving and taking advantage of the opportunities that greater cooperation provides. One of their main objectives is "Connect the region". RD12CluB brings all innovation actors together in the region and in transnational cooperation to meetings, workshops, benchmarking trips, joint planning, and implementation of e.g. pilot actions, thus taking advantage of a larger critical mass when it comes to knowledge, ideas and enterprise.

RD12CluB contributes to the main objective "Increase prosperity" including a sub-objective "Improved global competitiveness of the Baltic Sea Region" in several ways. RD12CluB focuses on rural BSR areas, which are often lagging behind compared to urban areas. Therefore the main thread of RD12CluB is to support the profitability and competitiveness of bioeconomy businesses in the most potential subsectors and interfaces relevant to rural areas. RD12CluB develops a joint Operation Model for Innovation Management (OMIM) for the hub of Bioeconomy Clusters/Innovation Ecosystems (BC/BIEs) to drive innovation for more competitive and higher added value bioeconomy products and related services. By creating an Open Virtual BSR Biobusiness Hub to manage the OMIM and the BC/BIEs, RD12CluB also provides SMEs opportunities to develop international partnerships and export markets in BSR area. RD12CluB also exploits the strong sectors in the BSR by piloting open ICT solutions for new digital business opportunities and more efficient resource planning e.g. in forestry wood acquisition and logistics, air quality monitoring or game population assessment by the newest technological innovations.

RD12CluB addresses the need to create a more integrated approach for the promotion of multi-functional utilization of timber and other forestry related products related to ecosystem services. RD12CluB pilots responsible, sustainable business models that maintain and improve the ecological, social and cultural resources at the same time as business increases its market value. The models will maintain cooperation between a network of value chains in forest environments such as the production of timber and forest based food, tourism and hunting activity. RD12CluB engages also the civil society in the project activities, which contributes to transformation towards more sustainable consumption patterns and to equal participation of women and men.

RD12CluB also addresses the climate change mitigation by piloting innovative technologies reducing low altitude emissions and involving civil society and businesses in the process to create environmentally sustainable and resource efficient solutions.

The RD12CluB project has been accepted as a Flagship project in Policy area of Bioeconomy in the 1st application stage. In case the project will be funded, the RD12CluB consortium is looking forward to cooperate to best contribute to the EUSBSR.

2,990 / 3,000 characters

3.5. Seed money support

Did you receive seed money support?

No, we have not received any seed money support from the EUSBSR Seed Money Facility/Baltic Sea Region Programme

3.6. Synergies with projects / other initiatives

Is your project based on any former or related to any current project/programme/initiative?

Yes

Details about former project

RD12CluB is not based on any former project/programme/initiative related to Baltic Sea region.

However, RD12CluB will screen the achievements of relevant earlier BSR projects especially such as Bioenergy Promotion projects (2008-2014) for possible exploitation in Regional Bioeconomy Profiles (A2.1.5), and especially for possible benchmarking of regional bioeconomy performance in bioenergy sector.

Further, RD12CluB will screen the existing transnational networks and platforms such as Baltic Sea region's biobusiness platforms and platforms created by earlier BSR projects for relevance to develop transnational cooperation in rural bioeconomy businesses. In case the relevant and suitable platforms are found, we plan to join to them. (A3.2.3)

Furthermore, RD12CluB will apply to BSR partner regions the bioeconomy profiling and benchmarking tools, as described in GoA2.1. These tools were developed by FP7 project BERST (2013 - 2015 (-2016), www.berst.eu). To our knowledge, these tools have not been earlier exploited, applied or disseminated in BSR regions.

1,072 / 2,000 characters

3.7. Level of cooperation

Joint development



Joint implementation



Joint staffing



Joint financing



3.8. Objectives and results

Programme Level

Programme specific objective

1.2 Smart specialisation: To enhance growth opportunities based on increased capacity of innovation actors to apply smart specialisation approach

Programme Result

1.2 Increased capacity of innovation actors (innovation intermediaries, authorities, research institutions, enterprises) to apply smart specialisation approach.

Project Level				
No.	Project Objective	Institutional Capacity Dimensions	No.	Project Result
PO1	<p>To strengthen the capacity of four Bioeconomy Clusters/Innovation Ecosystems (BC/BIEs) cooperating in rural environment (in FI, NO, PL, LV) to apply S3 approach to develop smart and sustainable bioeconomy businesses. To increase the knowledge of all innovation actors - authorities, research institutions, business development bodies and other innovation intermediaries, SMEs - about the most potential bioeconomy subsectors & promising interfaces in the participating regions (FI, NO, PL, LV, EE) for developing higher added value bioeconomy products and related services and knowledge-based jobs. To ensure more efficient innovation management in the hub of the participating BC/BIEs for enhancing innovation and smart business development. To improve the organizational structures of the participating BC/BIEs to better support the innovation management. To support inclusion and networking of all innovation actors in the hub to offer possibilities for transnational cooperation and cross-cluster learning. Including civil society in the discussion about objectives for developing and implementing the bioeconomy in the regions.</p>	<p>Enhanced institutionalised knowledge and competence <input checked="" type="checkbox"/></p> <p>Improved governance structures and organisational set-up <input checked="" type="checkbox"/></p> <p>More efficient use of human and technical resources (databases, technical solutions, small infrastructure etc.) <input type="checkbox"/></p> <p>Better ability to attract new financial resources <input type="checkbox"/></p> <p>Increased capability to work in transnational environment <input checked="" type="checkbox"/></p>	R1	<p>The target groups - authorities, research institutions, business development bodies and other innovation intermediaries - participating in the established hub of BC/BIEs have (a) better knowledge and understanding about effective innovation management for developing smart bioeconomy businesses especially for rural areas, and (b) better support systems to implement those activities in practice. All innovation actors - including the target groups and the end-user SMEs - have gained new knowledge about the most potential bioeconomy subsectors & promising interfaces in the participating regions (FI, NO, PL, LV, EE). The innovation actors and end-users participating in the hub are better prepared to cooperate with each other and in transnational cooperation, for exploiting the new knowledge in order to develop higher added value bioeconomy products and related services that will help to build more sustainable and profitable bioeconomy businesses and knowledge-based jobs for rural areas.</p>
	1,133 / 3,000 characters			1,000 / 3,000 characters

Horizontal principles and cross-cutting issues

Horizontal principles

Horizontal Principles	Level of Influence	Description
3.9. Sustainable development	positive	<p>Bioeconomy offers many opportunities for addressing all aspects of sustainability in BSR area. RD12CluB unites innovation actors to share information and to tackle common obstacles to generate new innovations for sustainable processes and businesses in bioeconomy. The project increases transnational cooperation in all triple-helix dimensions and involves also civil society in the activities.</p> <p>RD12CluB contributes to sustainable development by</p> <ul style="list-style-type: none"> (a) implementing and enriching bioeconomy strategies and identifying the most potential sectors and interfaces for sustainable bioeconomy businesses, (c) enhancing and optimizing the product value chains, from the use of bio-based natural resources to sustainable production processes and consumption (d) developing smart Bioeconomy Clusters/Innovation Ecosystems (e) supporting their innovation management for generating new innovations that focus on producing higher value products from valuable natural resources while cutting down the use of fossil resources and environmental effects of the value chains (f) pilot actions to test e.g. responsible and sustainable business models and newest technologies reducing low altitude emissions. <p>Recycling of waste from e.g. food processing for higher added value products is another issue included in RD12CluB.</p> <p>As to other BSR projects related to sustainable development, e.g. "Bioenergy promotion" (1&2, 2009-2014) projects offer some results on strategies and demos in the production of bioenergy in selected BSR areas. However, "Bioenergy promotion" was focused only on energy use of biomass (and on different regions than RD12CluB). Even though bioenergy is still considered as integrated element in effective use of resources in value chains, the scope of RD12CluB is wider and covers different bioeconomy sectors. Further, instead of bioeconomy strategy development, RD12CluB is focusing to implementation of S3 strategies to enhance innovation for smart and sustainable bioeconomy businesses.</p>
		1,998 / 2,000 characters
3.10. Equal opportunities and non-discrimination	neutral	n/a
		3 / 2,000 characters
3.11. Equality between men and women	neutral	n/a
		3 / 2,000 characters

3.12. Cross-cutting issues

Cross-cutting issue	Contribution
2. Multi-level governance	<p>RD12CluB contributes to implementing the Europe 2020 strategy on smart and sustainable growth, EU Circular-economy and Bioeconomy strategies, and applies RIS3 approach to develop bioeconomy in rural BSR regions. This way, RD12CluB is enhancing the role of regions in implementing those EU-level strategies. Correspondingly, the RD12CluB regions implement European Union Strategy for the Baltic Sea Region (EUSBSR) and its Action Plan.</p> <p>RD12CluB also enhances the role of regions to implement national level strategies, when addressing the goals in regional, bioeconomy related and smart specialization strategies, because the regional strategies are complementary to the national strategies.</p> <p>The associated partners BSSSC - The Baltic Sea States Subregional Co-operation and Nordic Council of Ministers' Office in Latvia provide the support and guidance of the subregional level. Another associated partner, Estonian Ministry of Rural Affairs is a representative of national level in the project.</p> <p>RD12CluB partnership is based on triple-helix in each partner region: RDI institution, business development body or cluster or a like representing SMEs, and authority responsible for strategic planning in the region, are acting in close cooperation in the region and across the regions in transnational cooperation. The multilevel governance is strengthened by involvement of civil society in the project activities, as well as by the Multiplier Group of stakeholders that is evaluating the project outputs, giving feed-back to the RD12CluB partnership, and applying and disseminating the project results through their own organizations.</p> <p>1,640 / 2,000 characters</p>
5. Climate change adaptation and mitigation	<p>Sustainable bioeconomy plays an important role in the course for a low-carbon and resource-efficient society and a sustainable economy.</p> <p>RD12CluB contributes to climate change adaptation and mitigation for instance by following actions:</p> <ul style="list-style-type: none"> - enhancing innovation for producing higher value products from valuable natural resources while cutting down the use of fossil resources and environmental effects of the value chains - piloting responsible and sustainable business models that maintain and improve the ecological, social and cultural resources at the same time as business increases its market value. The models will maintain cooperation between a network of value chains in forest environments such as the production of timber for construction industry, tourism and hunting activity, as well as production of forest based food. - piloting the newest technologies for reducing low altitude emissions and elaborating a new model based on quintuple helix (triple-helix + civil society + their environment) for managing innovative solutions for e.g. transition from fossil-based fuels to bio-based fuels in heating of residential buildings in rural region. Pilot emphasizes the issues related to social inclusion and environmental protection. - recycling of waste from e.g. food processing for higher added value products is another issue included in RD12CluB. <p>1,374 / 2,000 characters</p>

4. Activities

Project management and administration

Work package budget

15%

4.1. Description of strategic project management

For a successful execution of RD12CluB, an adequate and efficient management structure has been designed to correspond to the size and complexity of the project (12 partners, in heavy interaction with external parties, involved in a 3-yr project reaching from strategic planning to implementation and piloting):

1. According to the lead partner principle of the Programme, the Lead Partner JAMK is responsible of the tasks described in the Programme Manual in Chapter C.2. JAMK appoints (a) a full-time Project Coordinator (PC), who is leading and implementing the WP1 and coordinating and participating in the thematic WPs, and (b) a part-time Communication Manager. The financial project management team of JAMK Administration as well as JAMK's Communication team support the PC.
2. Three decision-making levels are established within the consortium: (a) the Operational Level, where tasks are performed, (b) the Steering Level, and (c) the Coordination Level, where the Lead partner ensures continuous communication between the Programme MAJS and the project partners.
3. The project's day to day management work is carried out by the PC, the WP leaders, and the Group of Activities (GA) leaders forming Management Support Team (MST) chaired by the PC. These core MST members form the decision-making body and in case of voting, each MST member has one vote. Each WP is lead by a different partner from different country, WP2: PP2/FI, WP3: PP6/NO, WP4: PP10/LV. Each WP is divided to two groups of activities, one of which is lead by the WP leader, and another by a different partner from different country, GA2.2: PP11/LV, GA3.2: PP1/FI, GA4.1: PP9/PL. Thus, the MST has 7 members representing together all partner countries. The MST meets face-to-face along with other consortium meetings twice a year and in distant meetings once per 1-2 months. When relevant, the MST may also invite the Communication Manager, JAMK's financial management expert or other experts to participate in the meetings.
4. All partners are represented in the Steering Committee (SC) that meets once a year in tandem with other consortium meetings and is chaired by the Lead Partner. When relevant, external experts may also be invited to visit the meetings. The SC is responsible for monitoring the project implementation, steering the project according to the agreed objectives and strategic guidelines, and making major strategic decisions (in case of voting, each partner has one vote and the Lead Partner has two votes).
5. The SC is supported by Advisory Board to be established in the beginning of the project. The Advisory Board provides advice on the set-up of the project activities, comments on achieved results and evaluates these in terms of quality, policy relevance and applicability to end-users, and advises on dissemination activities, e.g. providing a link to local and international networks. The input of the advisory board will be written down in the minutes of the board meeting with the response by the PC how to take into account the comments made. The written information is introduced and discussed in the MST and the SC. The Advisory Board meets at least once a year in tandem with SC or other consortium meetings and its members are invited to participate in the SC meetings. The Advisory Board members present high-level officials and experts from partner countries, elsewhere in BSR or EU area. The Policy Area Coordinator EUSBSR PA Bioeconomy is also invited to the Board. Some invited members have already accepted the invitation.
6. The Partners are committed to sign a Partnership Agreement with the Lead Partner in order to settle all main issues of the project, the relationship and responsibilities of the partners and the organizational structure of the consortium.
7. Multiplier group of stakeholders is strengthening the impact of RD12CluB. The group is invited to participate in two transnational face-to-face meetings and may also have distant meetings with the MST.

3,998 / 4,000 characters

4.2. Description of project content management

The Lead Partner JAMK has extensive experience in project coordination and organizes the content management internally. JAMK appoints a full-time Project Coordinator (PC), who is leading and implementing the WP1 (21,5 person months plus closure phase) and coordinating and participating in the thematic WPs (14,5 person months). A part-time Communication Manager (total 4 months) and Procurement specialist (1 month) cooperate with the PC. In JAMK, the project management is supported by financial secretaries, as well as the Financial project management team and Communication unit of JAMK Administration.

JAMK subcontracts some external juridical expertise for joint written agreements with partners cooperating in the hub of the Bioeconomy Clusters/ Innovation Ecosystems and in the Open Virtual BSR Biobusiness Hub (to be established during the project) to secure the durability of these outputs.

In RD12CluB, the Management Support Team (MST) acts as a content management team. The core MST members – the PC, the WP leaders, and the Group of Activities (GA) leaders - form the decision-making body. The MST monitors and evaluates the progress of work and spending, recognizes the possible risks, and plans and implements the corrective measures proactively. Each WP is lead by a different partner from different country. Further, each WP is divided to two groups of activities, one of which is lead by the WP leader, and another by a different partner from different country. Thus, the MST has 7 members representing together all partner countries. The MST meets in distant meetings at least every second month and face-to-face along with other consortium meetings twice a year. The MST may also invite the Communication Manager, JAMK's financial management expert or other actors to participate in the meetings.

The PC, supported by the MST, has the overall responsibility for meeting the project objectives in agreed schedule, cost, scope and quality as outlined in the application and agreed in partnership agreements and the subsidy contract with the MAJS. The PC's responsibilities include:

1. Management of legal, financial and administrative matters of the consortium, coordination (in cooperation with MST) of activities among the partners incl. establishing quality assurance system and contingency management system
2. Communication of all relevant information on the project to the MAJS and delivering the Programme related information to partners, and ensuring fluent communication channels through discussions and consortium meetings inside and outside the consortium, according to the Communication Plan.
3. Ensuring the proper reporting of the consortium and timely delivering of the quality reports on activity and financial progress to the MAJS
4. Planning and organizing the consortium meetings with the relevant partners.

The WP leaders are responsible for the implementation of the WP and the coordination of the work package activities, including the reporting and implementation of communication strategy. They also report about the activity and financial progress of the WP regularly in the MST meetings. The GA leaders are responsible for the implementation of the activities and for the delivery of the output. Mutual day-to-day communication by e-mails, Skype and phone between the WP leader, GA leader and the partners ensure proper content management in each WP. The WP/GA leaders have been allocated additional working time for their coordination activities.

Seven transnational meeting points are planned, to be organized in different partner regions (to allow partners' mutual benchmarking) and including several meetings (SC, MST, thematic workshops, etc.) organized in tandem to save travelling costs: Month 1 (Kick-off) in FI; M7 in NL; M9 in EE; M17 in NO/SE; M21 in PL; M31 in LV; M36 (End Conference) in FI, if possible, in cooperation with BSSSC.

3,920 / 4,000 characters

4.3. Description of the project financial management

The Lead Partner JAMK has extensive experience in project coordination and financial management, and organizes the financial management internally. JAMK appoints a full-time Project Coordinator (PC), whose responsibilities include among others

1. Management of legal, financial and administrative matters of the consortium,
2. Coordination of activities among the partners, in cooperation with WP Leaders and Group of Activity leaders.
3. Ensuring the proper content and financial reporting of the consortium (six reporting periods), and
4. Timely delivering of the quality reports on activity and financial progress to the MAJUS.

The PC is supported by two Financial Secretaries responsible for financial management, monitoring and reporting of the projects at JAMK's Institute of Bioeconomy and Institute of Information technology. The financial secretaries and the PC are further supported by the Financial project management team of JAMK Administration. The latter team is guiding and monitoring the financial reporting of all the projects managed by JAMK.

At partner level, the expenditure and activities declared in each partner report will be validated by the approbated first level controller in each country. The Lead Partner collects the FLC certificates of partner reports (and FLC approbation certificates for Finnish and Norwegian partners) for FLC process of the progress report of the whole project. The Financial project management team of JAMK Administration is familiar with the Lead Partner's responsibilities as regards to FLC, and they organize a proper process for First Level Control of the project progress report.

JAMK's Public Procurement Specialist is supporting the PC and other Finnish partners of RD12CluB in all public procurement processes during the project implementation, and is guiding and monitoring all procurements made by JAMK in the project. In addition, she is specifically working for RD12CluB (1 person month) for the procurements made by Finnish partners in Group of activity 2.1 (joint procurement by PP1 and PP2) and 4.2 (procurement by PP3). The Finnish electronic public procurement system called "Clouadia" is exploited in the procurements.

The WP leaders coordinate the activities including the reporting of their WP. They also report about the activity and financial progress of their WP regularly in the MST meetings.

The Lead Partner also communicates with financial management staff of partner organizations (a) in distant meetings and (b) face-to-face in Kick-off meeting and in other consortium meetings that are organized in partner regions and include benchmarking visits to partner organizations.

2,677 / 4,000 characters

4.4. Financial control system

Please confirm that each partner in your project partnership is aware that project expenditure must be verified by a first level controller.



Please confirm that partners with a decentralised first level control system have reserved sufficient funds in their partner budgets for these controls.



Please confirm each partner is aware it has to identify the costs allocated to the project in its accounting system.



Please confirm that the lead partner and its first level controller will monitor the progress report on finance and activities of each project partner before they are included in the project's progress report that is submitted to the JS.



4.5. Further details of the financial control and reporting system of your project

-

1 / 2,000 characters

4.6. Internal coordination and communication

The Communication Plan created by MST with the assistance by Communication Manager (in cooperation with other partners and their communication staff) includes the main tools and procedures also for internal coordination and communication:

1. Face-to-face meetings of the MST, SC, and the whole consortium:

- The latest 2-day consortium meeting in November 2016 already included a partner training based on the materials of the LP seminar by MAJUS in Riga, October 2016.
 - Month 1: Kick-off (incl. MST) meeting organized by PP1 together with PP2 and PP3 in Central Finland: 2 days incl. partner (with financial staffs) training on rules, requirements and processes for project implementation
 - M7: MST meeting and Benchmarking trip to NL (activity A2.2.4), 2-3 days
 - M8: SC and MST meetings, and Workshop (A2.2.2) in EE, 3 days
 - M17: MST meeting, Workshop (A3.2.1), and Benchmarking (A3.2.2) in NO (incl. benchmarking trip to SE), 3-4 days altogether
 - M21: SC and MST meetings, Workshops (A3.2.1) and Benchmarking (A3.2.2) in PL: 3-4 days
 - M31: SC and MST meetings, Workshops (A3.2.1) and Benchmarking (A3.2.2) in LV: 3-4 days
 - M36: End Conference organized by PP1 in cooperation with PP2 and PP3 in Finland: 2 days
- Note. Benchmarking in partner countries include visits at partner premises.

2. Distant meetings of especially MST by Connect Pro/Skype once per 1-2 months.

3. Mutual day-to-day communication by e-mails, Skype and phone between the MST members and other partners, between the PC, the LP's financial staff and the partners' financial staff, and between the PC, Communication Manager and partners' communication staff.

4. Knowledge sharing by exploiting different online communication tools:

- JAMK (with Optima licenses) will provide a joint Optima workspace for RD12CluB. All partners are allowed to use the workspace for internal communication of the consortium. For instance, documents related to Programme rules and requirements, as well as joint Financial (incl. procurement) /Content/Communication Management Manuals for the consortium will be made available to all partners in the Optima workspace. The workspace can also be used for sharing the information to be further disseminated to end-users through each partner's own online channels and web pages.
- Towards the end of (and after) the project, the Open Virtual BSR Biobusiness Hub to be established during the project will serve as knowledge sharing not only between project partners but also for disseminating information to the end-users and offering a meeting point for other relevant parties.

The MST formed by the PC, WP leaders and GA leaders monitors and evaluates the progress of work and spending, including implementation of the communication strategy in thematic WPs. The WP leaders coordinate also the reporting on the WP and implementation of communication strategy. The WP and GA leaders also report about the activity and financial progress of the WP regularly in the MST meetings.

2,994 / 3,000 characters

Work package 2

4.1. Title

Promoting S3 for developing the bioeconomy

42 / 250 characters

Work package budget

30%

4.2. Aim of the WP

- WP2 aims to unite innovation actors in regional and transnational 3-helix cooperation to
 - identify the most potential bioeconomy subsectors & promising interfaces for innovation and new business development
 - recognize assets and the obstacles to be tackled to implement S3 for exploiting the full bioeconomy potential in the region
 - benchmark regions with Good Practice Bioclusters in partner regions or elsewhere in BSR or EU area
 - prepare Joint Action Plans (JAPs) to develop Bioeconomy Cluster/Innovation Ecosystem (BC/BIE) in each region.
 - involve civil society in the discussion about objectives for developing bioeconomy (4-5-helix approach).

Bioeconomy is region specific, though its smart development requires transnational cooperation. The S3 Platform tools aim to develop regional economy on the whole and are mostly too general for developing S3 in bioeconomy. Therefore:

- WP2 aims to use also a Regional Bioeconomy Profile (RBP) tool to reach the above (1.) mentioned aims. RBP is a unique and objective tool developed during the FP7 project of BERST (www.berst.eu) for S3 of European bioeconomy at regional NUTS-2 or NUTS-3 level. (The Bioeconomy Observatory is focusing to EU and national level information.) Regional information on bioeconomy is scattered and often difficult to access. RBP gathers diverse data from different sources and presents it in standardized, compressed and visualized format. RBP tool comprises a set of tools, i.e. the catalogues of
 - Criteria and Indicators to measure bioeconomy performance and potential
 - Case Study results from Good Practice bioclusters for benchmarking
 - Lessons learnt from Good Practice bioclusters
 - Instruments and Measures (policy instruments, initiatives, incentives etc.) used in different regions to develop bioeconomy.

- WP2 aims to exploit the results from RBP process for joint transnational learning through
 - benchmarking the regional bioeconomies
 - preparing JAPs to develop smart BC/BIEs in the regions.

1,998 / 2,000 characters

4.3. Communication strategy in WP

No.	Communication aim	Target group(s)
1	Receive input from	<p>Input from all target groups – authorities working in S3, rural RDI institutes, business development bodies, clusters - is necessary to create Regional Bioeconomy Profiles and Joint Action Plans for developing bioeconomy in the regions. The tacit knowledge and feed-back from end-users such as SMEs in bioeconomy businesses is also needed. To support smart, sustainable and inclusive growth in bioeconomy in rural regions, the views of multiplier group of stakeholders and the actors such as NGOs and consumers (potential end-users) in civil society should also be taken into account in the process.</p> <p>Approach: Disseminating information about the RBP process and JAP creation by various communication channels incl. newspapers and social media. Interviewing representatives of target groups and civil society groups (NGOs, consumer associations, etc.). Meetings with business development bodies and cluster managers to get feed-back from SMEs. Organizing joint workshops for all innovation actors.</p>
2	Raise awareness among	<p>- Innovation actors about the necessity to involve 3-helix cooperation in the S3 processes and in creating RBPs and JAPs</p> <p>- End-users (SMEs in bioeconomy businesses) about potential bioeconomy subsectors and promising interfaces that are fruitful for innovation and new business development</p> <p>- Citizens and consumers about sustainability of bioeconomy related products and services.</p> <p>Approach: Workshops to involve target groups to share information and experiences, receive new knowledge and to participate in validation of RBPs and in preparing the JAPs. Dissemination - through media incl. newspapers & social media, in the events and web pages of BSSSC and Nordic Council of Minister's Office in Latvia, in existing blogs, partner's web pages – about regional bioeconomy potential, innovations, new business possibilities, success stories on tackling the obstacles in bioeconomy businesses, and about benchmarking results and good practices of developing bioeconomy in different regions.</p>
3	Increase knowledge among	<p>WP2 aims to increase knowledge among regional authorities working for development and implementation of S3 in bioeconomy sectors, as well as among rural RDI institutes, business development bodies, and SMEs in bioeconomy businesses, about:</p> <ul style="list-style-type: none"> - objective facts on the present performance and the future potential of bioeconomy in their regions - good practices and lessons learnt from other bioeconomy clusters and bioregions - instruments and measures used in different bioregions to develop bioeconomy <p>Approach: Workshops to involve different target groups to joint discussion to share the existing and collected new information and experiences, to participate in validation of RBPs and in preparing the JAPs. Meetings and benchmarking trips. Dissemination of outputs through various communication channels such as newspapers, existing social media groups, existing blogs, the BSSSC web pages, partners' own web pages, AOs' communication channels, and later through the established OVBH.</p>

993 / 1,000 characters

4.4. WP leader

PP 2 - Regional Council of Central Finland

Please select

4.5. Partner involvement

RD12CluB Partnership is based on 3-helix cooperation in each partner region: RDI partner, BU - business development partner, cluster, or alike, and AU - authority. The partners are in key roles in their regions in activities that are related to WP2, and each partner has special expertise needed in implementation of WP2.

All partners are involved in WP2 activities. AU partners PP2, PP13 (PP5 prior to 1.1.2020), PP8, and PP11 responsible for strategy work in their regions have bigger role in WP2 than RDI or BU partners. The role of AU partners is emphasized in collecting quantitative data from regional/national statistics (activity A2.1.1), in analyzing existing bioeconomy strategies and their implementation (A2.1.6), in planning possible strategy updates and their implementation (A2.1.7) based on the results achieved, and in organizing the regional stakeholder workshops for preparing JAPs (A2.2.1).

In Polish team, the PP7 and PP9 are sharing tasks with AU partner PP8 especially in analyses and in organizing the regional workshops. The only Estonian partner, PP12 is supported in WP2 activities by the associated AU partner, the Estonian Ministry of Rural Affairs responsible of bioeconomy related strategy work in Estonia.

WP2 is lead by PP2 Regional Council of Central Finland that is a joint municipal authority representing all municipals in the region. PP2 is a developer of a region, strategic planner in responsible for regional land use planning and regional strategy development and implementation, developer of common interests and an active supervisor of interests. Besides coordinating the WP2 activities, PP2 is participating in development of regional bioeconomy profiles (RBP) and the joint action plans (JAP) to realize them. Group of activity 2.2 leader, PP11 Vidzeme Planning Region is responsible for development and implementation of the region's development strategy and program, an active actor in regional 3-helix cooperation and in transnational projects and programmes. PP11 organizes with PP1 and PP2 the benchmarking trip to NL (A2.2.4).

PP2 and PP1 (the Lead Partner, JAMK), who are the only partners already familiar with the RBP tool and other BERT tools to be exploited in WP2, have a bigger role than other partners in producing the RBPs (A2.1.3). PP1 and PP2 are also subcontracting for the consortium the external expertise needed in A2.1.3 - A2.1.5, and cooperating with the expert in integrating S3 Platform tools with the BERT tools for benchmarking (A2.1.4).

Further, each partner is responsible for providing information about activities and results in their social media accounts and web pages, and for informing target audiences and relevant stakeholders in partner regions directly, via phone or mailing lists.

Private sector represented by BU partners is involved in all activities of WP2.

All partners comply with the open access principle in all WP2 activities and outputs.

PP 1 - JAMK University of Applied Sciences
PP 2 - Regional Council of Central Finland
PP 3 - SSYP Kehitys Oy Ltd.
PP 4 - Inland Norway University of Applied Sciences
PP 5 - Hedmark County Council (SUCCEED by PP13 (01.01.2020))
PP 6 - Tretorg Ltd
PP 7 - Regional Science and Technology Center
PP 8 - Świętokrzyskie Voivodeship
PP 9 - Foundation for Education and Social Dialogue PRO CIMS
PP 10 - Institute for Environmental Solutions
PP 11 - Vidzeme Planning Region
PP 12 - Stockholm Environment Institute Tallinn Center
PP 13 - Inland County Council

2,947 / 3,000 characters

4.6. Reserved partner involvement

0 / 3,000 characters

4.7. Associated organisations involvement

In Estonia, bioeconomy related strategy work is done at national level. The responsible Estonian Ministry of Rural Affairs - AO1, will follow the RD12CluB work and participate in relevant events and conferences organized in WP2. In cooperation with PP12 Stockholm Environment Institute Tallinn Centre, the Estonian Ministry of Rural Affairs coordinates actions in bioeconomy sectors, engages with the relevant stakeholders, and contributes to the organization of meetings in Tallinn by allowing use of Ministry's meeting rooms and presentation equipment.

AO2 - Wageningen Economic Research (WUR) has special expertise on Bio-based Economy, with unique data, models and knowledge offering insights and integral advice for policy and decision-making processes. WUR was the coordinator of FP7 BERT (BioEconomy Regional Strategy Toolkit) project that developed the unique BERT tools for S3 in bioeconomy. WUR has close contacts with IPTS (e.g. on S3 tool and Bioeconomy Observatory) and with EC. The main task of WUR in RD12CluB is to give general guidance on the concept of the BERT tool that will be exploited in WP2. Further, the close contacts of WUR with S3 Platform tools and Bioeconomy Observatory will benefit the RD12CluB consortium.

AO4 - Latvian High Added Value and Healthy Food Cluster is completing the Latvian 3-helix partnership especially as BU (SMEs') representative in RD12CluB. The Cluster will support the achievement of the outputs of WP2 by ensuring member participation in activities aimed at target groups, participating in stakeholder group, and in transnational workshop and benchmarking visit in Latvia ensuring partner visits to several companies.

AO5 - BSSSC - The Baltic Sea States Subregional Co-operation will disseminate the RD12CluB results, facilitate and offer a platform for regional learning and exchange of experiences between regions in the BSR to further develop their bioeconomy sector. BSSSC will secure the dissemination of project results beyond the project partnership and duration by offering a sustainable platform for networking between rural bioeconomy regions in BSR, their knowledge institutions and innovation eco-systems.

AO6 - Nordic Council of Minister's Office in Latvia (NORDEN) will support the achievement of RD12CluB results, disseminate them through their communication channels, and ensure their input to Joint Action Plan Development. NORDEN is a member of RD12CluB's Advisory Board/SC, ensuring that RD12CluB results contribute to the goals within priorities of the EUSBSR. As NORDEN is involved in promotion activities and organization of workshops as a part of development process of Latvian bioeconomy strategy, they will promote RD12CluB results in these workshops and will ensure linkage of the results to the strategy development in Latvia. NORDEN has available free-of charge premises in the centre of Riga for conferences and they might provide the premises for local stakeholder group meetings or workshops.

AO 1 - Estonian Ministry of Rural Affairs
AO 2 - WUR - Wageningen Economic Research
AO 4 - Latvian High Added Value and Healthy Food Cluster
AO 5 - BSSSC - The Baltic Sea States Subregional Co-operation
AO 6 - Nordic Council of Ministers' Office in Latvia

2,992 / 3,000 characters

Activities, outputs and responsibilities

WP 2 Group of activities 2.1

4.13. Group of activities leader

PP 2 - Regional Council of Central Finland

A2.1

Title	Producing Regional Bioeconomy Profiles	38 / 250 characters
Description of the group of activities	<p>The Group 2.1 comprises the following activities:</p> <p>2.1.1 Collecting data from statistics (NUTS2 or NUTS3, if relevant, also NUTS0; during the project months M2-M4)</p> <p>2.1.2 Collecting qualitative data by interviewing regional stakeholders, and doing (light) competence mapping of bioeconomy firms and organizations in the region. (M2-M4)</p> <p>2.1.3 (a) Analyzing the data, exploiting BERST tools, and producing the Regional Bioeconomy Profiles (in cooperation with an external expert), coordinated by WP2 leader and PP1 who are also responsible of the subcontracting process and costs for the external expert for activities 2.1.3, 2.1.4, and 2.1.5). (b) Validating the Regional Bioeconomy Profiles (RBPs) in regional "Cooperation of Practice" workshops, where the regional partners discuss the RBPs in details with an invited small, but diverse group, including cluster managers or relevant actors, regional government (preferably at least 1 public officer and 1 politician) and some entrepreneurial representatives. (M3-M6)</p> <p>2.1.4 Integrating the most relevant indicators from the S3 Platform tools, especially a tool of "Benchmarking Regional Structure" with the BERST RBP tool for benchmarking of regional bioeconomies (cooperation with the external expert) (M5-M6)</p> <p>2.1.5 Benchmarking regional bioeconomy performance with relevant European bioregions, by exploiting the S3 Platform tool, the produced RBPs, and the BERST tools (in cooperation with the external expert). (A study based on the RBPs of Good Practice BioRegions in EU, which are included in BERST RBP tool.) Screening the achievements of relevant earlier BSR projects such as Bioenergy Promotion projects (2008-2014) for possible exploiting in RBPs. Documenting the results. (M6-M7)</p> <p>2.1.6 Analyzing existing bioeconomy strategies and their implementation by exploiting the results from 2.1.3 - 2.1.5. Documenting the results from analyses. (M7-M9)</p> <p>2.1.7 Planning the possible S3 (strategy) updates and their implementation, based on feed-back from 2.1.6, 2.2.4, and giving feed-back to WP3 and WP4. Documenting the plans. (M9-M12, M22-M23, M33-M34)</p> <p>Transnationality is embedded in all BERST tools used in this group of activities. The implementation of activities 2.1.1, 2.1.2 and 2.1.3 is planned in transnational cooperation. Benchmarking (A2.1.5) is of particular transnational relevance, it is done at European level.</p> <p>The output, the validated RBPs and benchmarking results, are exploited in preparing Joint Action Plans (in A2.2.) for developing the Bioeconomy Clusters/Innovation Ecosystems (BC/BIEs) in WP3. The BC/BIEs are piloted in WP4. Thus the output serves pilot action purpose indirectly.</p> <p>The representatives of target groups and end-users are interviewed (A2.1.2.) and they participate in validating the produced RBPs in workshops (A2.1.3).</p> <p>Note. All partners including the lead partner of RD12CluB will adhere to and comply with the open-access principle of the Programme in all activities and outputs of A2.1.</p>	
State aid relevant?	<input type="checkbox"/>	2,997 / 3,000 characters

O2.1

Output Title	Benchmarked Regional Bioeconomy Profile Reports for five partner regions	72 / 250 characters
Output Description	<p>The present form of RBP report is a dynamic factsheet that is a result from long elaboration process and contains as detailed explanations and comprehensive reasoning to the presented information as possible within the reasonable page limits. The dynamic factsheets of the produced RBPs can be printed from open-access BERST databank Metabase (http://berst.databank.nl).</p> <p>RBP is an easy-to-understand report/ factsheet that</p> <p>offers an overview of</p> <p>(1) the current situation and</p> <p>(2) the future potential of the bioeconomy in a region,</p> <p>and</p> <p>(3) identifies the most potential bioeconomy subsectors & promising interfaces for innovation and new business development,</p> <p>(4) recognizes assets and obstacles to be tackled to implement S3 for exploiting full bioeconomy potential and for developing smart BC/BIEs,</p> <p>(5) facilitates benchmarking of regional bioeconomies with European Good Practice Bioclusters, with relevant partner regions or elsewhere in BSR or EU area</p> <p>(6) provides objective facts for preparing Joint Action Plans for developing BC/BIEs in the participating regions.</p> <p>The RBP includes the basic regional information (from regional/national statistics) that may be already partly known to most regional stakeholders, but above all, it offers new perspectives, clarifies tacit issues and can give new insights into regional decision making for S3 of bioeconomy. RBP is not supposed to give definite answers. It will rather invoke questions and urge regional authorities, RDI institutes and BU development bodies to common discussion, to implement S3 for developing bioeconomy in the region, and to transnational learning process by benchmarking.</p> <p>The benchmarked RBPs are disseminated (see section 4.3) to all target groups, end-users and other stakeholders also outside the partner regions. The RBPs may act as good practice examples to other rural BSR regions that are aspiring to develop smart BC/BIEs.</p> <p>The delivery date is in M13.</p>	
Main Output	<input checked="" type="checkbox"/>	1,953 / 2,000 characters
Investment	<input type="checkbox"/>	

4.14. Target group(s) and use of the main output

The Regional Bioeconomy Profiles (RBPs) are based on objective facts and are produced in cooperation by all target groups. The RBPs can give new insights to regional authorities into regional decision making for developing S3 of bioeconomy and to developing/updating the S3 strategies. The benchmarked RBPs may help regional authorities (i) to recognize tacit gaps in developing S3 of bioeconomy in their region and (ii) correspondingly, to update their present strategies. The dissemination of this output e.g. by the BSSSC platform and web pages will facilitate to reach the target groups outside partner regions and beyond the project duration.

The RBPs facilitate the implementation of S3 in bioeconomy by urging regional authorities, RDI institutes, BU development bodies and clusters to common discussion to apply S3 for developing bioeconomy. The transnational benchmarking of RBPs can give also to RDI institutes and BU development bodies new insights into the most potential bioeconomy subsectors and promising interfaces for innovation and new business development. This can benefit also the SMEs in the region.

Further, the RBPs give necessary background information to all innovation actors, especially to RDI institutes, business development bodies and clusters, for preparing the Joint Action Plans to develop Bioeconomy Clusters/Innovation Ecosystems in the participating regions.

Furthermore, all innovation actors can benefit from good practices examples (included in RBPs) from other relevant European bioregions when they strive for exploiting the assets and tackling the obstacles recognized in their own region. Although the produced and benchmarked RBPs are region-specific, they will act as examples and provide good practices on S3 implementation of bioeconomy to other BSR or EU bioregions outside the RD12CluB partner regions. The open-access databank and later, also the established OVBH support the uptake of the RBP beyond project partnership and duration.

1,992 / 2,000 characters

4.16. Timeline

	A2.1	O2.1
Period 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Period 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Period 3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Period 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Period 5	<input type="checkbox"/>	<input type="checkbox"/>
Period 6	<input checked="" type="checkbox"/>	<input type="checkbox"/>

WP 2 Group of activities 2.2

4.13. Group of activities leader

PP 11 - Vidzeme Planning Region

A2.2

Title Preparing Joint Action Plans for developing Bioeconomy Clusters/Innovation Ecosystems

86 / 250 characters

Description of the group of activities

This group of activities exploits the produced Regional Bioeconomy Profiles (RBP), the BERST tools, and the results from GoA2.1.

The GoA2.2 comprises the following activities:

2.2.1 Regional workshops of innovation actors (authorities, R&D and business representatives) and other stakeholders (NGOs, politicians, SMEs) for preparing Joint Action Plans (JAPs). Partners organize at least one workshop in each partner region. Depending on the region, contracted external experts may also contribute to the workshop. Producing the JAPS. (During project months M9-M10)

2.2.2 Transnational workshop and panel discussions on the produced RBPs and JAPs. (responsible organizer PP12).

- organized along with SC and Partner meetings in Month 9 in Estonia
- all partners and possibly Advisory Board members as participants
- documenting the results (meeting memos and conclusions)

2.2.3 Reviewing the JAPs in transnational cooperation and updating the JAPS. (M10-M13)

2.2.4 Benchmarking visit: Planning and implementing the visit in NL in M7/M8 (PP1, PP2, and PP11 as responsible partners). The exact programme of the b.m. visit is prepared in cooperation with all relevant networks and contacts the partners already have in NL. The aims are to support transnational learning process and to add value to the participants and to the project outputs. The programme includes:

- visits to Dutch BC/BIEs, and depending on participants, also to business development bodies & SMEs
- participation in a suitable event with possible presentations also by the experts participating on the b.m. visit
- discussions, presentations
- participants on a trip are project partners, and some third parties (SMEs, cluster members, experts) chosen by partners

2.2.5 Reflection discussions on the benchmarking visit, preparing reports & feedback to 2.1, 2.2, and to the coming benchmarking visits. (M8-M9)

Transnationality is embedded in all BERST tools used also in this group of activities.

The activity 2.2.1 is planned and partly implemented in transnational cooperation.

The rest of the activities (2.2.2 – 2.2.5) are of particular transnational relevance and cannot be carried out without strong transnational cooperation.

The output, JAPs for developing the Bioeconomy Clusters/Innovation Ecosystems (BC/BIEs), is exploited in WP3. The BC/BIEs are piloted in WP4. Thus the output serves pilot action purpose indirectly.

The representatives of target groups and end-users (SMEs) are participating in preparing the JAPS (A2.2.1) and they also participate in the benchmarking visit (A2.2.4) and in the activity 2.2.5.

All partners including the lead partner of RD12CluB will adhere to and comply with the open-access principle of the Programme in all activities and outputs of A2.2.

The PP3, PP6 and PP11 plan to pay some travelling costs of third parties, particularly SMEs, participating in the benchmarking visit (A2.2.4). This may grant indirect aid to third parties.

2,997 / 3,000 characters

State aid relevant? ☐

O2.2

Output Title Benchmarked Joint Action Plans for five partner regions for developing Bioeconomy Clusters/Innovation Ecosystems

112 / 250 characters

Output Description

The planned format of the Joint Action Plans (JAPs) is a report.

Benchmarked JAPs

- are based on benchmarked Regional Bioeconomy Profiles
- contain among others the information on strengths and weaknesses of the regional bioeconomy, the lessons from the Good Practice regions, and the overview of supportive measures and instruments that may serve as input for further steps in developing smart Bioeconomy Clusters/Innovation Ecosystems (BC/BIE) in the region
- include the roadmaps that describe the jointly agreed targets, actions needed to achieve the targets, schedule, and bodies/persons responsible to implement the actions for developing the BC/BIEs
- are discussed, revised, updated, and benchmarked in transnational cooperation

JAPs aim to develop smart (BC/BIEs) in the regions. Thus the JAPs contribute to implementing S3 of bioeconomy in the partner regions. The revising, updating, and benchmarking of the produced JAPs is essentially a transnational learning process that benefits all participants.

The JAPS are exploited in the activities in WP3.

The planned delivery date of JAPs is in M14.

The benchmarked JAPs act as good practice examples to innovation actors in other rural BSR regions that are aspiring to develop smart bioeconomy clusters and innovation ecosystems.

Wide dissemination of the output through various communication channels will ensure its uptake outside RD12CluB regions and beyond project duration. Channels used - media incl. newspapers & social media accounts of the partners and associated partners, in the events and web pages of BSSSC and Nordic Council of Minister's Office in Latvia, in existing blogs and partner's web pages. Each partner will be responsible for providing information about particular activities and results in their social media accounts and their web pages, and also informing target audiences -relevant stakeholders in partner regions directly, via phone or mailing lists.

1,950 / 2,000 characters

Main Output ☒

Investment ☐

4.14. Target group(s) and use of the main output

The Benchmarked Joint Action Plans (JAPs) are produced in 3-helix cooperation by all target groups in the partner regions. Further, innovation actors - such as authorities responsible for regional development of bioeconomy, RDI actors and business development bodies working in the fields of rural bioeconomy - use the JAPs and implement them when developing smart Bioeconomy Clusters/Innovation Ecosystems (BC/BIEs) in the regions.

The transnational benchmarking of JAPs can give the innovation actors good practice examples and new insights into the development of regional bioeconomies. This can benefit also the SMEs in bioeconomy businesses in the participating regions.

The benchmarked JAPS of five partner regions may function as good practice examples to innovation actors also in other bioregions on their way to develop smart Bioeconomy Clusters/Innovation Ecosystems. Wide dissemination of the output through various relevant media such as newspapers and other media incl. existing social media groups, existing blogs, the BSSSC web pages, partner organizations own web pages, communication channels of associated partners, and later, also through the established OVBH, will ensure its uptake outside RD12CluB regions and beyond the project duration.

1,268 / 2,000 characters

4.16. Timeline

	A2.2	O2.2
Period 1	<input type="checkbox"/>	<input type="checkbox"/>
Period 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Period 3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Period 4	<input type="checkbox"/>	<input type="checkbox"/>
Period 5	<input type="checkbox"/>	<input type="checkbox"/>
Period 6	<input type="checkbox"/>	<input type="checkbox"/>

Work package 3

4.1. Title

Developing smart Bioeconomy Clusters/Innovation Ecosystems

58 / 250 characters

Work package budget

30%

4.2. Aim of the WP

The main thread in WP3 is that with transnational cooperation the organizationally thin, rural RD12CluB partner regions create thicker and more complete regional innovation system that supports a renewal of existing path for business development, and a formation of new regional development paths for higher added value bioeconomy products and knowledge-based jobs and growth (see e.g. Isaksen & Trippel 2014).

WP3 aims to develop a hub of four participating Bioeconomy Clusters/Innovation Ecosystems (BC/BIEs) located in partner regions in FI, NO, LV and PL. Establishing the hub is based on the results from WP2 and on the new knowledge created by innovation actors in joint activities. The aim is

- to develop a joint Operation Model for Innovation Management (OMIM) for the hub
- design and establish a kind of distributed Enterprise Resource Planning system, called Open Virtual BSR Biobusiness Hub (OVBH), to manage the hub of BC/BIEs and the OMIM. OV BH aims to
- support innovation management, cooperation and transnational learning of participating BC/BIEs
- support the end-user involvement in the hub
- ensure the durability, finance, and expanding of the established hub of BC/BIEs
- publish the outputs and disseminate the results of RD12CluB and other relevant information to end-users.

The developed joint OMIM and OV BH have to answer to numerous questions:

- How to generate, capture, share and select bioeconomy business ideas?
- How to jointly develop them to innovations/new products/services/jobs?
- How to ensure sustainability of the products/services?
- How to support the most potential bioeconomy sectors and interfaces?
- How to attract funding and Public/Private investments?
- How to harness digitalization for sustainable and distributed innovation management?
- How to secure IPR?
- How to include civil society in innovation process and to secure sustainability, i.e. how to apply quadruple/quintuple helix approach?
- What kind of organizational structures are needed for the tasks?

1,998 / 2,000 characters

4.3. Communication strategy in WP

No.	Communication aim	Target group(s)
1	Receive input from	<p>Input from all target groups – authorities working in S3, rural RDI institutes and business development bodies in the field of bioeconomy - is necessary to develop smart Bioeconomy Clusters/Innovation Ecosystems. The tacit knowledge and feed-back from end-users such as SMEs in bioeconomy businesses is also important. To support smart, sustainable and inclusive growth in bioeconomy in rural regions, the views of multiplier group of stakeholders and the actors such as NGOs and consumers (potential end-users) in civil society should also be taken into account in the process.</p> <p>Approach: Discussions and meetings with partners and with representatives of all stakeholder groups. When relevant inviting external experts to participate in the meetings. Disseminating information about the processes and meetings through local newspapers, and media used by the target group, end-user's associations etc. Meetings with business development bodies and cluster managers to get feed-back from SMEs.</p>
2	Increase knowledge among	<p>Aim is to increase knowledge among</p> <ul style="list-style-type: none"> - all target groups mentioned above (point 1), about innovation processes, innovation management, regional innovation systems, needs of upgrading the organizational structures for OMIM - end-users esp. SMEs, about new possibilities/systems developed to facilitate the development of their business ideas to new innovations for bioeconomy businesses. <p>Approach: Discussions and meetings with partners and representatives of target groups and end-users. Inviting external experts to participate in the meetings. Disseminating information about the processes, meetings and outputs through various communication channels: newspapers & social media accounts, the events and web pages of BSSSC and AO 6, existing blogs, PPs' web pages. Each PP is responsible for providing information about activities and results in their social media accounts and web pages, and informing target audiences - relevant stakeholders in their regions directly by phone or mailing lists.</p>
3	Change behaviour of	<p>The third aim is to change behaviour of the target groups, especially RDI institute's decision makers, management and other staff</p> <ul style="list-style-type: none"> a) for implementing - the upgraded organizational innovation management structures of BCs/BIEs and - joint Operation Model for Innovation Management (OMIM) for the Hub of four participating BC/BIEs, and b) for full exploitation of the established OV BH. <p>Approach: Discussions and meetings. When relevant inviting external experts to participate in the meetings.</p>

497 / 1,000 characters

4.4. WP leader

PP 6 - Tretorget Ltd

Please select

4.5. Partner involvement

All partners are involved in WP3 activities. RDI partners - PP1, PP4, PP7, and PP10 - representing the BC/BIEs to be developed as well as private sector represented by BU partners - PP3, PP6, PP9, and AO4 in cooperation with PP11 - have bigger roles in WP3 than AU partners. The RDI and BU partners have an important role in creating the joint Operation Model for Innovation Management (A3.1.4) and in designing the Open Virtual Biobusiness Hub, OVBH (A3.2.4). In Polish team, the RDI and BU partners PP7 and PP9 are sharing tasks with AU partner PP8 also in WP3. The only Estonian partner, PP12 is acting more as an observer in WP3 and is disseminating information to Estonian stakeholders.

WP3 is led by PP6 Tretorget that is a non-profit cluster-organization for the wood-mechanical value chain, and has a long experience in developing the innovation process and making it more efficient e.g. among the cluster members and through the value chain. Tretorget collaborates with regional, national and international stakeholders to support the development of new businesses as well as the improvement and performance of existing businesses. Tretorget also has a long experience in cross-clustering activities both at national and international level.

The first GoA3.1 "Developing the operation model for innovation management in rural BCs/BIEs" is led by PP6 Tretorget. The second GoA3.2 "Transnational learning process" is led by PP1 JAMK.

As to the activity 3.2.2 "Three benchmarking visits to NO-SE, PL and LV", the Norwegian partners PP4, PP5, and PP6 have the major responsibility in organizing the contents/programme and practical arrangements for the b.m. visit to NO and SE (Paper Province region). Respectively, the Polish partners PP7, PP8, and PP9 have the major responsibility in organizing the b.m. visit to Poland, and the Latvian partners PP10 and PP11 in organizing the b.m. visit to Latvia. The aims of the b.m. visits are to support the transnational learning process and to add value to the project outputs. The programme of each benchmarking visit includes visits to the responsible partners' premises and to the premises of the developing/hascent BC/BIE belonging to the hub of BC/BIEs. The programme includes also participation in a suitable event or workshop.

PP4 Inland Norway University of Applied Sciences and PP1 JAMK have bigger roles than other partners in the activity 3.2.4 "Designing the Open Virtual BSR Biobusiness Hub" (OVBH). PP4 is coordinating the activity 3.2.4, including joint transnational planning of the requirements, functionality, and design of this platform. PP4 is also responsible of leasing/renting the platform SaaS for OVBH. PP1 is cooperating with PP4, and the Institute of Information Technology of JAMK (PP1) has a major role in technical designing of the OVBH.

All partners including the lead partner of RD12CluB will adhere to and comply with the open-access principle of the Programme in all activities and outputs of WP3.

2,993 / 3,000 characters

PP 1 - JAMK University of Applied Sciences
PP 2 - Regional Council of Central Finland
PP 3 - SSYP Kehitys Oy Ltd.
PP 4 - Inland Norway University of Applied Sciences
PP 5 - Hedmark County Council (SUCCEEDED by PP13 (01.01.2020))
PP 6 - Tretorget Ltd
PP 7 - Regional Science and Technology Center
PP 8 - Świętokrzyskie Voivodeship
PP 9 - Foundation for Education and Social Dialogue PRO CIMS
PP 10 - Institute for Environmental Solutions
PP 11 - Vidzeme Planning Region
PP 12 - Stockholm Environment Institute Tallinn Center
PP 13 - Inland County Council

4.6. Reserved partner involvement

0 / 3,000 characters

4.7. Associated organisations involvement

AO 3 - Bitcomp Ltd is a private ICT company specialized on development of ICT solutions for bioeconomy sector. Bitcomp Ltd has the status of R&D performing SME and is actively participating in several R&D projects. Bitcomp supports WP3 work especially in knowledge exchange for e.g. activities 3.2.3 and 3.2.4 and can offer a lot of practical knowledge from bioeconomy sector processes.

AO 4 - Latvian High Added Value and Healthy Food Cluster is completing the Latvian 3-helix partnership especially as BU (SMEs') representative in RD12CluB. The Cluster will participate as stakeholder group in regional workshops in GoA3.1, in benchmarking (activity 3.2.2) and transnational workshop (3.2.1), thus basically validating the joint Operation Model for Innovation Management in the hub of BC/BIEs and ensuring best practice transfer to other members. Cluster will disseminate project results in our triple helix cooperation network. Cluster companies will be involved in organization of the transnational workshop and benchmarking visit in Latvia thus ensuring partner visit to several companies.

AO 5 - BSSSC - The Baltic Sea States Subregional Co-operation will disseminate the RD12CluB results and the outputs of WP3, facilitate and offer a platform for regional learning and exchange of experiences between regions in the BSR to further develop their bioeconomy sector. BSSSC will secure the dissemination of project results beyond the project partnership and duration by offering a sustainable platform for networking between rural bioeconomy regions in BSR, their knowledge institutions and innovation eco-systems.

AO 6 - Nordic Council of Minister's Office in Latvia (NORDEN) will support the achievement of RD12CluB results and disseminate them through their communication channels. NORDEN is a member of RD12CluB's Advisory Board/SC, ensuring that RD12CluB results contribute to the goals within priorities of the EUSBSR. As NORDEN is involved in promotion activities and organization of workshops as a part of development process of Latvian bioeconomy strategy, they will promote RD12CluB results in these workshops and will ensure linkage of the results to the strategy development in Latvia. NORDEN has available free-of charge premises in the centre of Riga for conferences and they might provide the premises for local stakeholder group meetings or workshops.

2,379 / 3,000 characters

AO 3 - Bitcomp Group
AO 4 - Latvian High Added Value and Healthy Food Cluster
AO 5 - BSSSC - The Baltic Sea States Subregional Co-operation
AO 6 - Nordic Council of Ministers' Office in Latvia

Activities, outputs and responsibilities

WP 3 Group of activities 3.1

4.13. Group of activities leader

PP 6 - Tretorget Ltd

A3.1

Title	Developing the Operation Model for Innovation Management in rural Bioeconomy Clusters/Innovation Ecosystems	107 / 250 characters
Description of the group of activities	<p>The activities in this group exploit the Joint Action Plans (JAP) and other results obtained in WP2.</p> <p>The Group comprises the following activities:</p> <p>3.1.1 Developing the joint methodology for describing and developing the innovation system of BC/BIEs. Documenting the joint methodology. (during M9-M13)</p> <p>3.1.2 Planning jointly (with all project partners) the practical implementation of JAPs (from 2.2) and the activities of 3.1.2 - 3.1.4 for each partner region. Including meetings with representatives of regional stakeholders such as authorities, RDI, bioclusters, business development entities, NGOs, etc. Documenting the results. (M12-M14)</p> <p>3.1.3 Positioning BC/BIEs in regional innovation system and describing them in quadruple (quintuple) helix context. Documenting the results. (M14-M16)</p> <p>3.1.4 Building/upgrading the organizational innovation management structures of BCs/BIEs and creating a joint Operation Model for Innovation Management (OMIM) for the Hub of four participating BC/BIEs. Documenting the results (writing the report). (M14-M20)</p> <p>The activities in this group have a close connection with activities in 3.2 and this connection will ensure the transnational cooperation also for activities in 3.1. The transnational aspects are as follows:</p> <ul style="list-style-type: none"> - joint methodology development and joint planning, which are leading to creation of a joint Operation Model for Innovation Management (OMIM) - the joint OMIM is applied in the jointly established hub of four participating BC/BIEs. The OMIM must work in all four BC/BIEs which all have their own specific context (regional partners, stakeholders, infrastructure, resources, business focus etc.). <p>In the center of the BC/BIEs are the four RDI partners: PP1 JAMK (FI), PP4 Inland Norway University of Applied Sciences (NO), PP7 Regional Science and Technology Center (PL), and PP10 Institute for Environmental Solutions (LV).</p> <p>The activities serve a pilot action purpose: the main output of this group of activities, the joint OMIM, will be piloted in WP4 Group of activities 4.1.</p> <p>All target groups are involved in the activities of 3.1.2 and 3.1.3, but RDI organizations and business development bodies and business representatives have a more central role in activities 3.1.1, and in 3.1.4.</p>	
State aid relevant?	<input type="checkbox"/>	2,295 / 3,000 characters

O3.1

Output Title	Joint Operation Model for Innovation Management for the Hub of four participating Bioeconomy Clusters/Innovation Ecosystems	123 / 250 characters
Output Description	<p>Description (a report) on Joint Operation Model for Innovation Management (OMIM) for the Hub of four participating Bioeconomy Clusters/Innovation Ecosystems (BC/BIEs).</p> <p>The OMIM will support the BC/BIEs to build an effective innovation management system that is able to:</p> <ul style="list-style-type: none"> (a) generate and/or capture new business ideas, (b) share them when relevant, (c) select the most promising ideas, (d) support their development to innovations and new sustainable products and services. <p>Involvement of SMEs in the process is necessary, and the OMIM should also include different models for SME cooperation in innovation and product development processes. Further, the OMIM should also include good practice examples of organizational structures for an effective innovation management system. Another issue to be addressed is how transnational cooperation best can be used for making the innovation process more efficient.</p> <p>The joint OMIM will be piloted in WP4 Group of activities 4.1.</p> <p>The output is of a particular transnational value: it is produced in transnational cooperation of four different BC/BIEs and it will also be implemented by the hub of these BC/BIEs. The durability of the output and its expansion outside partner regions is secured by activities in the group of 3.2 and by pilot actions in WP4.</p> <p>The output is delivered in M21.</p>	
Main Output	<input checked="" type="checkbox"/>	1,348 / 2,000 characters
Investment	<input type="checkbox"/>	

4.14. Target group(s) and use of the main output

The RD2CluB target groups - especially RDI organizations, innovation brokers, and business development bodies and clusters working in the bioeconomy related sectors in rural regions - which cooperate in the transnational hub of BC/BIEs will be the first to implement this main output.

As to end-users, especially the SMEs in bioeconomy businesses will benefit from the output that can provide support for developing their new business ideas to innovations and facilitate their commercialization.

This main output will be integrated with and managed by the system of "Open Virtual BSR Biobusiness Hub" (OVBH) to be developed in the following GoA3.2. The OVBH will enable the exploitation of this main output of GoA3.1 by the hub of four participating BC/BIEs and their end-users even after the project implementation phase. The OVBH will also enable the scaling up of the transnational hub of BC/BIEs, thus ensuring the uptake of the "Joint Operation Model for Innovation Management for the Hub of four participating Bioeconomy Clusters/Innovation Ecosystems" far beyond the project partnership. That will benefit also the end-users outside the RD2CluB partner regions. To facilitate the scaling up, this main output will be piloted in WP4 and will be improved by feed-back process.

Thus, this main output is first used by innovation actors in RD2CluB partner regions, and later, along with wide dissemination (described in 4.3) and expansion of the hub of BC/BIEs, also elsewhere in rural BSR areas which aspire to enhance innovation in the bioeconomy related sectors.

1,581 / 2,000 characters

4.16. Timeline

	A 3.1	O 3.1
Period 1	<input type="checkbox"/>	<input type="checkbox"/>
Period 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Period 3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Period 4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Period 5	<input type="checkbox"/>	<input type="checkbox"/>
Period 6	<input type="checkbox"/>	<input type="checkbox"/>

WP 3 Group of activities 3.2

4.13. Group of activities leader

PP 1 - JAMK University of Applied Sciences

A3.2

Title	Transnational learning process	30 / 250 characters
Description of the group of activities	<p>Activities:</p> <p>3.2.1 Three transnational workshops: (1) month M17 in NO, (2) M21 along with SC and Partner meetings in PL, and (3) M31 along with SC and Partner meetings in LV for analyzing the results from GoA3.1 (and later from GoA3.2 and from WP4) and giving feedback to partner regions. Agreeing about necessary improvements to be done for the joint Operation Model for Innovation Management (OMIM) before further actions. Documenting the results</p> <p>3.2.2 Three benchmarking visits (to NO - SE (Paper Province), PL, LV) along with the activity 3.2.1, incl. visits to the premises of partners and BC/BIEs. Reflection discussions, preparing reports & feedback for activities in GoA3.1, esp. A3.1.4, and for OMIM</p> <p>3.2.3 Screening existing transnational networks and platforms such as TCI network, ECCP, EEN, Baltic Sea region's biobusiness platforms, platforms created by earlier BSR projects, etc. for relevance to develop transnational cooperation in rural bioeconomy businesses. Joining to the relevant ones. Documenting the results and exploiting them for activity 3.2.4. (M17-M20)</p> <p>3.2.4 Agile/iterative designing of the Open Virtual BSR Biobusiness Hub (OVBH; M17-M25) for</p> <ul style="list-style-type: none"> - supporting innovation management, SME involvement, and continuous transnational cooperation and learning - ensuring the durability, finance, and expansion of the developed cooperation hub of rural BCs/BIEs - publishing the results from the pilots and disseminating the relevant information to end-users. <p>This activity includes</p> <ul style="list-style-type: none"> - Coordination of work, incl. joint planning of the requirements, functionality, and design (Coordinator PP4) - Technical implementation by leasing of commercially available cloud services, i.e. purchasing the platform SaaS, budgeted by PP4 - Necessary technical facilitation, configuration, and implementation design, to be done by IT staff of PP1. <p>Preparing and signing joint agreements on management model for OVBH. Planning and establishing the virtual environment. Documenting the results</p> <p>3.2.5 Giving incremental feed-back (based on the results from GoA3.2) to GoA3.1, and to WP2 and WP4. Analyzing the feed-back received from stakeholders and from WP2 and WP4. Making the necessary improvements to the main outputs of WP3. (M20-M35)</p> <p>3.2.6 Developing future cooperation plans. Documenting the plans. (M31-M36)</p> <p>All activities are of a particular transnational relevance. They are implemented in transnational cooperation and lead to a main output that is used in transnational cooperation. The activities serve a pilot action purpose: The main output, OVBH, is piloted in WP4 Groups 4.1 and 4.2.</p> <p>All target groups are participating in workshops, benchmarking visits, screening, giving feed-back and developing future cooperation plans. However, RDI organizations and business development bodies and representatives have a more central role in this group of activities, especially in activity 3.2.4.</p> <p>PP11 pays travelling costs of SMEs participating in A3.2.2</p>	
		3,000 / 3,000 characters

State aid relevant?

☐

O3.2

Output Title	Open Virtual BSR Biobusiness Hub	32 / 250 characters
Output Description	<p>The Open Virtual BSR Biobusiness Hub (OVBH) is a system for managing the Hub of BC/BIEs and the Operation Model for Innovation Management (OMIM) in the Hub. OVBH acts as a technological aggregator (System of Insights) for the BC/BIEs as well as for SMEs, by creating a unified digital data integration layer (Systems of Records), where transnational parties can connect into via open-standard and interoperable digital service interface with using mobile user interfaces. Digital data may include for instance citizen observations, purchase orders and/or application programming interfaces for UAV based analysis services (Systems of Engagement) for forest animal counting, etc.</p> <p>The OVBH will also contain guidance and monitoring system for innovation management based on OMIM developed in Group 3.1.</p> <p>The OVHB aims to</p> <ol style="list-style-type: none"> support the innovation management, SME involvement, and continuous transnational cooperation and learning of all innovation actors working in bioeconomy related sectors in rural areas ensure the durability and finance of the cooperation hub of rural BCs/BIEs beyond the project duration (there will be signed agreements on OVBH) enable the expansion/ scaling up of the OMIM and the cooperation hub of rural BCs/BIEs outside the partner regions elsewhere in rural BSR publish the results achieved in the pilots (in WP4 groups 4.1 and 4.2) and disseminate the relevant information to end-users. <p>The OVBH will be piloted in WP4 Groups 4.1 and 4.2.</p> <p>The output is of a particular transnational value: it will be produced, piloted and used in transnational cooperation by the hub of different BC/BIEs. The OVBH will be introduced first in the RD12Club partner regions in the hub of four participating BC/BIEs and will be used also beyond the project duration. Later, the piloted OVBH is expected to be used also by other joining BC/BIE members outside the partner regions in other rural BSR bioregions.</p> <p>The OVBH is delivered in M26.</p>	
		1,976 / 2,000 characters

Main Output

☒

Investment

☐

4.14. Target group(s) and use of the main output

The following RD12CluB target groups - innovation actors - that will cooperate in the transnational hub of BC/BIEs will be the first to uptake this main output: RDI organizations, innovation brokers, and business development bodies and clusters working in the bioeconomy related sectors in rural areas. They will apply the OVBH in their daily practice.

As to end-users, especially the SMEs in bioeconomy businesses are expected to use the OVBH that provides support for developing their new business ideas to innovations and facilitates the commercialization process. Further, consumers and other civil society representatives will receive information e.g. about new bioeconomy innovations, products, and services through the established OVBH.

In addition to ensuring the use of project outputs after the project implementation phase, the OVBH enables the scaling up of the OMM and the transnational hub of BC/BIEs outside the partner regions. The scaling up will ensure the uptake of the projects' outputs by target groups and end-users beyond the project partnership and duration. To facilitate the scaling up, this main output of 3.2 will be piloted in WP4 and will be improved by feed-back process.

Thus, this main output will be first used in RD12Club partner regions, where it will also be piloted and further improved. Later, by dissemination (described in section 4.3) of information on the established OVBH through the networks and platforms of the RD12CluB target groups and the end-users', and along the expansion /scaling up of the hub of BC/BIEs with affiliation of new members, it is expected to be used also elsewhere in rural BSR areas by innovation actors and end-users. Especially the innovation actors and end-users in rural BSR areas with nascent or developing bioeconomy clusters or innovation ecosystems can benefit from the OVBH.

1,859 / 2,000 characters

4.16. Timeline

	A3.2	O3.2
Period 1	<input type="checkbox"/>	<input type="checkbox"/>
Period 2	<input type="checkbox"/>	<input type="checkbox"/>
Period 3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Period 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Period 5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Period 6	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Work package 4

4.1. Title

Joint piloting in transnational cooperation

43 / 250 characters

Work package budget

25%

4.2. Aim of the WP

The aim of WP4 is to pilot the joint Operation Model for Innovation Management (OMIM) by using and improving the Open Virtual BSR Biobusiness Hub (OVBH), to ensure their applicability to different type of business ideas and innovations in different bioregions. The pilot actions require intensive transnational cooperation and at the same time, they provide to the participants a lot of possibilities for transnational and cross-cluster learning.

The work package is divided to two groups of activities, the first one focusing to piloting the whole OMIM along with the OV BH system, and the second one continuing to test further the OMIM and OV BH with local pilot cases. In piloting, we aim to use agile project management methods, i.e. repeated brief iterations instead of cascade model. For instance, the OV BH could be introduced step by step, so that first one of the partner regions and its BC/BIE give feedback, and after improvements, the updated OV BH would be introduced to the next partner region and its BC/BIE for feed-back, etc. As in any service development, the involvement of end-users in product/service development is emphasized in RD12CluB pilots. The aim is also to ensure that the end-users have commented the requirements of the OV BH in time.

Further, local pilots aim to promote S3 in the regions by focusing to new technologies and models that support innovation and the business development in those bioeconomy related sectors that have been chosen as S3 priorities in each region.

Ultimately, the pilot actions aim to ensure the durability of the OMIM and OV BH by improving their usability and attractiveness for new users in various bioeconomy sectors especially in rural areas and also outside the RD12CluB partner regions.

1,758 / 2,000 characters

4.3. Communication strategy in WP

No.	Communication aim	Target group(s)
1	Receive input from	<p>Feed-back from all future user groups of the piloted OMIM and OV BH system to ensure its practical applicability to the context in different bioregions, business ideas and innovations. I.e. authorities working in S3, and especially rural RDI institutes and business development bodies, as well as representatives of SMEs and multiplier group of stakeholders. To support smart, sustainable and inclusive growth in bioeconomy, the input of the civil society such as NGOs, environmental associations, and consumers (potential end-users) are also needed in the process.</p> <p>Approach: Discussions and meetings with partners and representatives of all stakeholder groups. Collecting the feed-back received. Disseminating information about the processes and meetings through local newspapers and media used by the target groups, end-user's associations etc. Collecting feed-back directly from SMEs participating in the pilots and indirectly from other SMEs by business development bodies and cluster managers.</p>
2	Raise awareness among	<p>WP4 aims to raise awareness among</p> <ul style="list-style-type: none"> - target groups - authorities working in S3, and especially rural RDI institutes and business development bodies in the fields of rural bioeconomies - as well as end-users such as SMEs in bioeconomy businesses and multiplier group of stakeholders, also outside project partnership: about the support for innovation and about the new cooperation possibilities provided by the piloted OV BH and the hub of BC/BIEs. - civil society, NGOs, citizens and consumers: about sustainability of new bioeconomy related products and services <p>Approach: Discussions and meetings with stakeholder representatives. Dissemination - through various communication channels incl. newspapers & social media, in the events and web pages of BSSSC and Nordic Council of Minister's Office in Latvia, in existing blogs, partner's web pages.</p>
3	Increase knowledge among	<p>Another aim is to increase knowledge among the main users of the piloted and improved OMIM and OV BH, especially rural RDI institutes and business development bodies as well as SMEs in bioeconomy businesses: about the applicability and new possibilities provided by the piloted systems and the hub of BC/BIEs for promoting new bioeconomy business ideas and innovations as well as for facilitating transnational networking, cooperation and cross-cluster learning.</p> <p>Also civil society, NGOs, citizens and consumers will receive information about e.g. new bioeconomy related products and services.</p> <p>Approach: Discussions and meetings with partners and with representatives of target groups and end-users. Disseminating information about the pilots and the meetings through local newspapers, and tailored media used by the target groups and end-users such as trade journals, associations' bulletins etc., through networks of target groups and end-users, through bioeconomy related platforms etc.</p>

996 / 1,000 characters

4.4. WP leader

PP 10 - Institute for Environmental Solutions

Please select

4.5. Partner involvement

All partners are involved in WP4 activities, though the AU partners PP2, PP13 (PP5 prior to 1.1.2020), PP8, PP11 are mostly participating only in communication activities. In all other activities of WP4, the RDI partners - PP1, PP4, PP7, and PP10 - representing the hub of BC/BIEs and the cooperating BU partners - PP3, PP6, PP9, and AO4 - representing private sector have a major role. The only Estonian partner PP12 is acting more as an observer in WP4 and is disseminating information to Estonian stakeholders.

WP4 is led by PP10 Institute for Environmental Solutions (IES) that is a private research institution focusing on environmental challenges. IES applies novel technologies (e.g. drones in local pilots) for the effective evaluation of biomass resources and has expertise e.g. in forest analysis in defining the module and data requirements from the environmental perspective. IES also uses innovative means of communication to achieve wider reach.

The first group of activities 4.1 "Piloting the Operation Model for Innovation Management in the Hub of BCs/BIEs along with the operation of Open Virtual BSR Biobusiness Hub" is led by PP9 Institute of Technics and Technology Management ITTM of Foundation PRO CIMS (a non-profit NGO). ITTM cooperates with RDI, authorities, social partners, companies, and individual specialists to promote initiatives for sustainable and smart growth conducive to social inclusion.

The second group of activities 4.2 "Testing the piloted operation model and OVBH with local pilot cases to ensure applicability to support S3 of bioeconomy in different bioregions" is lead by PP10 IES.

In the activities related to piloting of the OVBH (4.1.2) and further testing it by local pilot cases (4.2.2) - i.e. tailoring its open digital System of Insight to allow integrating of different pilot cases from participating BC/BIEs for developing the OMM and the OVBH - the Institute of Information Technology of JAMK (PP1) has a major role, especially for technical implementation of these tasks. In certain cases, the end-users such as SMEs and citizens, are also involved in local pilots.

All partners including the lead partner of RD12CluB will adhere to and comply with the open-access principle of the Programme in all activities and outputs of WP4.

PP 1 - JAMK University of Applied Sciences
PP 2 - Regional Council of Central Finland
PP 3 - SSYP Kehitys Oy Ltd.
PP 4 - Inland Norway University of Applied Sciences
PP 5 - Hedmark County Council (SUCCEEDED by PP13 (01.01.2020))
PP 6 - Tretorget Ltd
PP 7 - Regional Science and Technology Center
PP 8 - Świętokrzyskie Voivodeship
PP 9 - Foundation for Education and Social Dialogue PRO CIMS
PP 10 - Institute for Environmental Solutions
PP 11 - Vidzeme Planning Region
PP 12 - Stockholm Environment Institute Tallinn Center
PP 13 - Inland County Council

2,296 / 3,000 characters

4.6. Reserved partner involvement

0 / 3,000 characters

4.7. Associated organisations involvement

AO 3 - Bitcomp Ltd. is a private ICT company specialized on development of ICT solutions for bioeconomy sector. Bitcomp Ltd. has the status of R&D performing SME and is actively participating in several R&D projects. Bitcomp supports WP4 work especially in piloting and knowledge exchange, and can offer a lot of practical knowledge from bioeconomy sector processes. Bitcomp is also ready to offer its existing platforms for piloting and development purposes.

AO 4 - Latvian High Added Value and Healthy Food Cluster is completing the Latvian 3-helix partnership especially as BU (SMEs') representative in RD12CluB. As a stakeholder group the cluster will ensure participation of its members (SMEs and R&D institutes) in project activities aimed at target groups. This concerns especially the piloting and thus, basically validating the joint Operation Model for Innovation Management in the hub of BC/BIEs and in the OVBH, and ensuring best practice transfer to other members. The cluster will also disseminate project results in its triple helix cooperation network.

AO 5 - BSSSC - The Baltic Sea States Subregional Co-operation will disseminate the RD12CluB results, facilitate and offer a platform for regional learning and exchange of experiences between regions in the BSR to further develop their bioeconomy sector. BSSSC will secure the dissemination of project results beyond the project partnership and duration by offering a sustainable platform for networking between rural bioeconomy regions in BSR, their knowledge institutions and innovation eco-systems.

AO 6 - Nordic Council of Ministers' Office in Latvia (NORDEN) will support the achievement of RD12CluB results and disseminate them through their communication channels. NORDEN is a member of RD12CluB's Advisory Board/SC, ensuring that RD12CluB results contribute to the goals within priorities of the EUSBSR. As NORDEN is involved in promotion activities and organization of workshops as a part of development process of Latvian bioeconomy strategy, they will promote RD12CluB results in these workshops and will ensure linkage of the results to the strategy development in Latvia.

AO 3 - Bitcomp Group
AO 4 - Latvian High Added Value and Healthy Food Cluster
AO 5 - BSSSC - The Baltic Sea States Subregional Co-operation
AO 6 - Nordic Council of Ministers' Office in Latvia

2,159 / 3,000 characters

Activities, outputs and responsibilities

WP 4 Group of activities 4.1

4.13. Group of activities leader

PP 9 - Foundation for Education and Social Dialogue PRO CMS

A4.1

Title	Piloting the Operation Model for Innovation Management by using the Open Virtual BSR Biobusiness Hub	100 / 250 characters
Description of the group of activities	<p>This group includes the following activities:</p> <p>4.1.1 Defining the criteria for piloting and planning the pilots in transnational cooperation (also as a part of the program in transnational workshop in Poland in M21). (M18-M30)</p> <p>4.1.2 Piloting the Operation Model for Innovation Management (OMIM) in the Hub of BC/ BIEs along with the Open Virtual BSR Biobusiness Hub (OVBH). (M22-M36) The OMIM and the OVBH will be tested with different business ideas to evaluate and improve their usefulness for.</p> <ul style="list-style-type: none"> - generating or capturing new business ideas - sharing the ideas with possible cooperators - selecting the most promising ideas, - supporting their development to innovations and new sustainable products and services - securing IPR - involving the financiers and investors in the process - guiding and monitoring the development path of new business idea to innovation, and finally to marketable product or service - facilitating the SME involvement and the networking and cooperation between innovation actors - publishing the results achieved and disseminating the relevant information to end-users <p>4.1.3 Analyzing the results from 4.1.2. Evaluation on the usability of the piloted system for enhancing innovation for smart bioeconomy business development and transnational cross-cluster learning of innovation actors and end-users. Documenting the results and writing the report. (M22-M36)</p> <p>4.1.4 Based on the results from 4.1.3., evaluation of the outputs from WP2 and WP3 for improving (a) the operation model for innovation management and (2) the virtual environment, and for further developing S3. (M22-M36)</p> <p>All activities are implemented in intense transnational cooperation and lead to a main output that is used in transnational cooperation. All activities also serve a pilot action purpose. Future users of the piloted systems, target groups and the end-users such as SMEs, are participating in testing of the OMIM and OVBH and in giving feed-back for improving them. Adhering to the open-access principle of the Programme is self-evident in all activities and outputs.</p>	
State aid relevant?	<input type="checkbox"/>	2,121 / 3,000 characters

O4.1

Output Title	Improved Operation Model for Innovation Management in Bioeconomy Clusters/Innovation Ecosystems and improved Open Virtual BSR Biobusiness Hub		141 / 250 characters
Output Description	<p>A report describing the tested and improved Operation Model for Innovation Management (OMIM) in the hub of four BC/BIEs to support the innovation management in bioeconomy related sectors especially in rural regions. (Delivered in M36)</p> <p>The tested and improved system: Open Virtual BSR Biobusiness Hub (OVBH) to manage the hub of BC/BIEs and the OMIM in the hub; and a report describing the improved system. (Delivered in M36)</p> <p>The purpose of the improved OVBH system is to</p> <ul style="list-style-type: none"> (a) support the innovation management, SME involvement, and continuous transnational cooperation and learning of all innovation actors working in bioeconomy related sectors in rural areas (b) ensure the durability and finance of the cooperation hub of rural BCs/BIEs beyond the project duration (there will also be signed agreements on OVBH) (c) facilitate the expansion and scaling up of the cooperation hub of rural BCs/BIEs outside the partner regions elsewhere in rural BSR where there are target groups and end-users, and maybe nascent or developing bioeconomy clusters or innovation ecosystems (there will also be signed agreements for new members of OVBH) (d) publish the results of the pilots (in GoA4.1 and 4.2), contribute to the dissemination of other outputs such as outputs of WP2 of RD12CluB, and disseminate the relevant information to end-users. <p>The output is of a particular transnational value: it will be used in transnational cooperation by the hub of different BC/BIEs. The OVBH will be used first in the RD12Club partner regions and also after the implementation phase. Later, the piloted and improved OMIM and OVBH are expected to expand outside the partner regions into other rural BSR bioregions and to be used also by other joining BC/BIE members, SMES, target groups, and end-users.</p> <p>Adhering to the open-access principle of the Programme is self-evident for ensuring the wide uptake of the output beyond the project regions and project duration.</p>		
Main Output	<input checked="" type="checkbox"/>	1,984 / 2,000 characters	
Investment	<input type="checkbox"/>		

4.14. Target group(s) and use of the main output

The RDI organizations, innovation brokers, business development bodies and clusters working in the bioeconomy related sectors in rural areas, and cooperating in the transnational hub of four participating BC/BIEs, will be the first to implement the improved OMM and to use the improved OVBH. They will apply this output in their daily practice also after the implementation phase of the project.

As to end-users, especially the SMEs in bioeconomy businesses are expected to exploit this output. They will benefit from the improved system that supports the development of their new business ideas to innovations and facilitates the commercialization process, networking and transnational cross-cluster learning. Further, consumers and other civil society representatives will receive information e.g. about new bioeconomy innovations, products, and services through OVBH.

The improved OMM and OVBH will enable the scaling up of the transnational hub of BC/BIEs and at the same time it will ensure the durability and the uptake of the projects outputs beyond the project duration and beyond the project partnership.

This main output will be first used in RD12Club partner regions. Later, along with dissemination of information about the improved system - through the networks of the RD12CluB partnership, target groups and end-users, through the tailored media used by the target groups and end-users, through bioeconomy related platforms, etc. - and along with expansion /scaling up of the hub of BC/BIEs with affiliation of new members to OVBH, it is expected to be used also elsewhere in rural BSR areas. Especially, the innovation actors and SMEs in rural BSR areas with nascent or developing bioeconomy clusters or innovation ecosystems can benefit from being as a part of the OVBH.

1,795 / 2,000 characters

4.16. Timeline

	A4.1	O4.1
Period 1	<input type="checkbox"/>	<input type="checkbox"/>
Period 2	<input type="checkbox"/>	<input type="checkbox"/>
Period 3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Period 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Period 5	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Period 6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

WP 4 Group of activities 4.2

4.13. Group of activities leader

PP 10 - Institute for Environmental Solutions

A.4.2

Title	Local pilot cases to ensure applicability of the operation model and OVBH to support S3 of bioeconomy in different bioregions	125 / 250 characters	
Description of the group of activities	<p>4.2.1 Joint planning of local pilots (also in transn. workshop). The pilots are identified using the holistic European Innovation Partnership (EIP) approach that will help to transfer the results beyond the local scale. All pilots will create added-value by using local resources. The pilots will be finalized using inputs from WP2 and WP3. (M22-M33)</p> <p>4.2.2 Pilots with local SMES, in transnational cooperation. Tailoring the open digital System of Insight (output of GoA3.2) for integrating different pilot cases from participating BC/BIEs for further testing the OMM in the OVBH. Testing the OVBH step by step: Starting with the 1st local pilot case; based on feedback the OVBH is improved (activity 3.2.5) and tested with the 2nd local pilot, then with the 3rd one, etc. (M23-M36)</p> <p>Pilot cases (responsible country in parenthesis) are:</p> <ul style="list-style-type: none"> - Piloting an open digital contracting System of Insight that enables to SMEs and microenterprises new innovating digital business opportunities and more efficient resource planning with GIS based value chain modeling e.g. for forestry wood acquisition & logistics, air quality monitoring, and for game and other animal population assessment (FI) - Testing and evaluating responsible, sustainable business models that maintain and improve the ecological, social and cultural resources at the same time as business increases its market value. The models will maintain cooperation between a network of value chains in forest environment such as timber production, tourism and hunting activity, and production of forest based food. The models will be made open and available in the Virtual BSR Biobusiness Hub. (NO) - Application of latest drone technologies for accurate and effective evaluation of biomass resources, forest and wild animal population count (LV) - Use of mobile devices for measuring air quality and integrating them online via Wi-Fi system with database application (e.g. OVBH). Assessing innovative technologies reducing the emissions and elaborating a new model based on quintuple helix for managing innovative solutions. (PL) <p>Timely feed-back by end-users for the improvements is ensured by close cooperation between activities 3.2.5 and 4.2.2.</p> <p>4.2.3 Analyzing the results from pilots incl. evaluation on (1) their usefulness for developing the OMM & OVBH and (2) their usability for SME business development & transnational cross-cluster learning. Documenting the results. (M24-M36)</p> <p>4.2.4 Evaluation of WP2 and WP3 outputs for improving OMM & OVBH and for further developing S3 in bioeconomy. (M25-M36)</p> <p>All activities are of a particular transnational relevance. They are implemented in transnational cooperation and are used to scale up the transnational hub of BC/BIEs and the OVBH. The activities serve a pilot action purpose. The future users of the piloted systems, target groups and end-users such as SMEs and citizens, are participating in pilots and giving feed-back. Open access principle is followed in all activities.</p>		2,998 / 3,000 characters
State aid relevant?	<input type="checkbox"/>		

I.4.2

Output Title	Outputs from local pilots	25 / 250 characters	
Output Description	<p>This output consists of different outputs from local pilot projects that strengthen 3/4/5-helix approach with new or improved technologies, methods, models and/or processes.</p> <p>The outputs are delivered during M31-M36.</p> <p>The outputs are as follows:</p> <p>FI: Open digital platform for OVBH that enables integrating different pilot cases from all participating BC/BIES from different countries, e.g. mobile applications of new digital business opportunities, GIS based value chain models, drone applications, etc. (output from piloting the Open digital contracting System of Insight) (FI)</p> <p>NO: (1) Models that evaluate the ecological and social sustainability of new bioeconomy products/services, (2) Business plans that incorporate ecological, social and economic sustainability and that can incorporate a network of value chains and businesses (outputs from testing and evaluating responsible, sustainable business models)</p> <p>LV: Concept of a new bioeconomy service and a step-by-step instruction of how it was created (output from environmental resource assessments using the latest drone technology)</p> <p>PL: (1) Concepts of (i) applying mobile devices (drones) for measuring near ground emissions from rural residential houses' heating by fossils fuel; (ii) changing attitude/behaviour among local rural communities towards air pollution by providing solutions offered by business.</p> <p>(2) Model based on 5-helix approach for managing innovative solutions to mitigate air pollution.</p> <p>(outputs from applying mobile devices for measuring air quality and assessing innovative technologies reducing the emissions and elaborating a new 5-helix based model)</p> <p>All local pilots correspond to S3 priorities for two or more partner regions.</p> <p>The pilots help to scale up the hub of BC/BIEs and the related OMM and OVBH.</p> <p>This output is of a transnational value: the pilots are implemented in transnational cooperation and are used to scale up the transnational hub of BC/BIEs, the OMM and the OVBH.</p>		1,983 / 2,000 characters
Main Output	<input checked="" type="checkbox"/>		
Investment	<input checked="" type="checkbox"/>		

4.14. Target group(s) and use of the main output

The A4.2 partners will involve local authorities, RDI institutes, business development bodies during the pilots to accustom them of their use. Local target groups will be invited to events and informed as how to best implement the outputs. The step-by-step instructions will be freely available online and particularly useful to knowledge intensive companies, environmental regulatory agencies, auditors and planning regions.

The output will be useful to entities creating added-value products from local resources. The precise subgroups of environmental resource management and services that will benefit the most will be clarified in WP2 and WP3, however it is clear that the pilots will include state-of-the-art technologies, thus benefiting R&D, SMEs, ICT clusters, as well as the management and/or assessment of environmental resources, thus benefiting regional authorities, local municipalities and private landowners.

The investments related to the mobile measuring device (i.e. items 1 and 2 in the section 3.3) will be owned by PP7.

The items will be developed in the regions, where the responsible partners are based. However, the current setup of pilots (to be specified using outputs of WP2 and WP3) and their outputs are based on actions that are relevant and useful – besides to the responsible partner regions – also to the most other partner regions. Further, the outputs can be transferred, at least at the national level (e.g. drone services for wild animal assessment), throughout the BSR programme territory.

The outputs will be made available free of charge on the involved partner websites and in the OVBH. Information on the outputs will be disseminated in project meetings as well as interactions with relevant stakeholders after the project closure. According to open access principle, the outputs will be effectively disseminated to all interested actors also beyond the project partnership and project duration.

1,946 / 2,000 characters

4.15. Environmental assessment

Please confirm that you are aware that a screening of your investment activities can be required and might result in an environmental assessment under the involvement of environmental authorities. Please note, the Programme is not responsible for the environmental assessment.



4.16. Timeline

	A4.2	I4.2
Period 1	<input type="checkbox"/>	<input type="checkbox"/>
Period 2	<input type="checkbox"/>	<input type="checkbox"/>
Period 3	<input type="checkbox"/>	<input type="checkbox"/>
Period 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Period 5	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Period 6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

5. Output indicators

5.1. Obligatory output indicator

Number	Obligatory output indicator	Description	
O1	Documented learning experience	<p>Learning experience: The partners and the representatives of target groups and end-users participate in preparing, producing, validating, and benchmarking the Regional Bioeconomy Profiles (RBPs) to five partner regions. Based on the benchmarked RBPs, the same actors participate in planning and benchmarking the Joint Action Plans (JAPs) for developing the Bioeconomy Clusters/Innovation Ecosystems (BC/BIEs) in partner regions.</p> <p>Documented by: The benchmarked RBPs (printed as standardized dynamic factsheets) and JAPs are introduced/made available to all participants and stakeholders.</p>	590 / 1,000 characters
O2	Documented learning experience	<p>Learning experience: Joint benchmarking visits to partner regions (4 visits) and outside the partner regions (2 visits) and the related transnational workshops. Joint reflection discussions. Participants: partners and representatives of target groups and end-users.</p> <p>Documented by: Feed-back/evaluation reports on benchmarking visits, memorandums of joint workshops, made available to all participants.</p>	404 / 1,000 characters
O3	Documented learning experience	<p>Learning experience: Partners and representatives of target groups and end-users participate in building/ upgrading the organizational innovation management structures of the four BCs/BIEs (in FI, NO, PL, LV) forming a transnational cooperation hub. Further, the same actors participate in</p> <p>(a) planning a Joint Operation Model for Innovation Management (OMIM) in the participating BC/BIEs</p> <p>(b) designing and establishing the Open Virtual BSR Biobusiness Hub (OVHB) to support and manage the OMIM and the transnational hub of the BC/BIEs.</p> <p>(c) joint piloting and improving the OMIM and the OVHB.</p> <p>Documented by reports: Description of the hub of BC/BIEs, the OMIM and the OVHB. Reports of the different pilot actions including the feed-backs given and the improvements made. Evaluation report of the results. The reports are disseminated widely and published in the OVHB.</p>	871 / 1,000 characters

5.2. Project specific output indicators

Number	Output indicator	Mark in case output indicator not relevant	Description	Target value in number
P1	No. of local/regional public authorities/institutions involved	<input type="checkbox"/>	<div>RDI2CluB partnership is based on triple-helix partnership in each partner region: RDI institution acting in bioeconomy-related fields, BU - business development body representing SMEs, and AU - authority responsible for strategic planning in the region. The AU partners participate in all activities in the project. As they are responsible for strategy work in their regions, they have a bigger role in WP2 than RDI or BU partners. The role of AU partners is emphasized in collecting quantitative data from regional/national statistics for Regional Bioeconomy profiles, in analyzing existing bioeconomy strategies and their implementation, in planning possible strategy updates and their implementation based on the results achieved, and in organizing the regional stakeholder workshops for preparing the Joint Action Plans for developing Bioeconomy Clusters/Innovation Ecosystems (BC/BIEs) in partner regions.</div> <div>910 / 1,000 characters</div>	4
P2	No. of national public authorities/institutions involved	<input checked="" type="checkbox"/>	<div></div> <div>0 / 1,000 characters</div>	0

Number	Output indicator	Mark in case output indicator not relevant	Description	Target value in number
P3	No. of enterprises receiving support	<input type="checkbox"/>	<p>RD12CluB partnership is based on triple-helix partnership in each partner region: RDI institution acting in bioeconomy-related fields, BU - business development body, cluster or alike representing SMEs, and AU - regional authority. The BU partners participate in all activities in the project, but their role is emphasized in WP3 and WP4. BU partners representing private sector are cooperating with RDI partners in:</p> <p>(a) creating the joint Operation Model for Innovation Management (OMIM) for the established cooperation hub of four participating BC/BIEs,</p> <p>(b) designing the Open Virtual Biobusiness Hub (OVHB) to manage the OMIM and the established hub</p> <p>(c) piloting and improving the OMIM and the OVHB.</p> <p>704 / 1,000 characters</p>	3
P4	No. of enterprises receiving non-financial support	<input type="checkbox"/>	<p>The enterprises participate in the joint workshops and benchmarking trips organized by RD12CluB partners. Their input is important to produce the main outputs of the project, and at the same time they get information about the future business possibilities as well as the opportunities to transnational networking and cross-cluster learning. In future, the SMEs in bioeconomy businesses will benefit from the project outputs which will provide support for developing new business ideas to innovations, will facilitate the commercialization process as well as networking, and provide opportunities to transnational cross-cluster learning. Consequently, the number of the benefiting enterprises is expected to increase notably after the project has ended.</p> <p>754 / 1,000 characters</p>	40
P5	No. of enterprises cooperating with research institutions	<input type="checkbox"/>	<p>RD12CluB partnership is based on triple-helix cooperation. The enterprises cooperate with RDI institutions in all WPs and their role is emphasized in WP3 and in WP4. They participate in pilot actions and give feed-back to RD12CluB partnership for improving the joint Operation Model for Innovation Management (OMIM) and for improving the Open Virtual Biobusiness Hub (OVHB) that manages the OMIM and the hub of the BC/BIEs. The enterprises are the main end-users of the project outputs, especially the piloted OMIM and OVHB. Their feed-back and cooperation with the RDI partners for joint development of these outputs is essential. The enterprises participate also in the joint workshops and benchmarking trips organized by all RD12CluB partners. In future, a major increase in the number of the cooperating enterprises is expected.</p> <p>833 / 1,000 characters</p>	43
P6	No. of documented newly developed market products and services	<input checked="" type="checkbox"/>	<p>0 / 1,000 characters</p>	0
P7	Amount of private investments matching public support in innovation or R&D projects	<input checked="" type="checkbox"/>	<p>0 / 1,000 characters</p>	0
P8	Amount of documented planned investments to be realised with other than the Programme funding	<input checked="" type="checkbox"/>	<p>0 / 1,000 characters</p>	0

6. Budget

6.1 External expertise and services

Item No.	Contract specification	Investment item?	Group of activities no.	Contracting partner	Planned contract value	Planned award procedure
1	First Level Control for 6 project reporting periods, 1500 € (incl. VAT) per reporting. 86 / 100 characters	No	WP1	1. JAMK University of Applied Sciences	9,000.00	Other
2	Bus transportation, room rent and catering for Kick-off meeting (cooperation with PP2 and PP3) 94 / 100 characters	No	WP1	1. JAMK University of Applied Sciences	1,900.00	Bid-at-three
3	Bus transportation, room rent and catering for End Conference (cooperation with PP2 and PP3) 92 / 100 characters	No	WP1	1. JAMK University of Applied Sciences	4,000.00	Bid-at-three
4	Travel & accommodation costs for 1 external Advisory Board / SC member for 3 meetings, 3 x EUR 1500 100 / 100 characters	No	WP1	1. JAMK University of Applied Sciences	4,500.00	No procurement
5	Travel and accommodation cost for 1 external Multiplier Group member for 2 meetings, 2 x EUR 1500 99 / 100 characters	No	WP2, WP3, WP4	1. JAMK University of Applied Sciences	3,000.00	No procurement
6	Translation, printing, layout etc. for RD12CluB dissemination materials. 72 / 100 characters	No	WP1	1. JAMK University of Applied Sciences	5,100.00	Bid-at-three
7	Juridical expertise: partner agreements with future maintenance of Open Virtual BSR Biobusiness Hub 99 / 100 characters	No	WP1 and WP3, A3.2.4.	1. JAMK University of Applied Sciences	3,000.00	Bid-at-three
8	Regional profiles for partner regions, incl. profiling and reporting. Joint procurement with PP2. 97 / 100 characters	No	A2.1.3, A2.1.4, and A2.1.5.	1. JAMK University of Applied Sciences	31,000.00	Bid-at-three
9	Regional profiles for partner regions, incl. profiling and reporting. Joint procurement with PP1. 97 / 100 characters	No	A2.1	2. Regional Council of Central Finland	18,600.00	Bid-at-three
10	Catering & room rent, regional events, budget allocation for costs of 1-2 transnational meetings. 100 / 100 characters	No	A2.1, A2.2, A3.1, A3.2	2. Regional Council of Central Finland	8,500.00	Bid-at-three
11	Travel costs, external experts to benchmarking, good practice meetings 70 / 100 characters	No	A2.1, A2.2, A3.1, A3.2	2. Regional Council of Central Finland	3,000.00	No procurement
12	Costs for printing, layout and design of reports and translation. 65 / 100 characters	No	A2.1, A2.2	2. Regional Council of Central Finland	1,500.00	Bid-at-three
13	First Level Control for 6 project reporting periods, 1000 € (incl. VAT) per reporting. 86 / 100 characters	No	WP1	2. Regional Council of Central Finland	6,000.00	Other
14	First Level Control for 6 project reporting periods, 1000 € (incl. VAT) per reporting. 85 / 100 characters	No	WP1	3. SSYP Kehitys Oy Ltd.	6,000.00	Other
Total					411,273.20	

Item No.	Contract specification	Investment item?	Group of activities no.	Contracting partner	Planned contract value	Planned award procedure
15	IT expertise service: System of Insight including drone mapping with algorithms & analytics 91 / 100 characters	No	A4.2.2	3. SSYP Kehitys Oy Ltd.	29,800.00	Bid-at-three
16	Translating, printing, lay-out and design of different dissemination materials for end-users 92 / 100 characters	No	WP1, WP2, WP3, WP4	3. SSYP Kehitys Oy Ltd.	4,500.00	Bid-at-three
17	Room rents for regional stakeholder meetings 44 / 100 characters	No	WP1, WP2, WP3, WP4	3. SSYP Kehitys Oy Ltd.	2,000.00	No procurement
18	Catering service for consortium's and regional stakeholders' meetings in Finland. 81 / 100 characters	No	WP1, WP2, WP3, WP4	3. SSYP Kehitys Oy Ltd.	5,648.00	Bid-at-three
19	Travelling service (bus) for transporting participants of Kick-off and End Conference in Finland 97 / 100 characters	No	WP1	3. SSYP Kehitys Oy Ltd.	1,000.00	Bid-at-three
20	Traveling costs for non staff participating in benchmarking visit in NL. 500 Euro x3 persons 93 / 100 characters	No	A2.2.4	3. SSYP Kehitys Oy Ltd.	1,500.00	No procurement
21	First level control of financial RD12CluB reports, 6 reporting periods 70 / 100 characters	No	WP1	4. Inland Norway University of Applied Sciences	7,500.00	Bid-at-three
22	Travel and accommodation costs for one external Advisory Board / SC member for 3 meetings 91 / 100 characters	No	WP1	4. Inland Norway University of Applied Sciences	3,600.00	No procurement
23	Travel and accommodation costs for one external Multiplier Group member for 2 meetings 86 / 100 characters	No	WP2, WP3, WP4	4. Inland Norway University of Applied Sciences	2,400.00	No procurement
24	Translating, printing, lay-out and design of different dissemination materials for end-users 92 / 100 characters	No	WP2, WP3, WP4	4. Inland Norway University of Applied Sciences	4,500.00	Bid-at-three
25	(transferred to BL5) 20 / 100 characters	No	A3.2.4	4. Inland Norway University of Applied Sciences	0.00	Bid-at-three
26	Expert services for analyses (different algorithms and analytics) of drone mapping results 90 / 100 characters	No	A4.2.2	4. Inland Norway University of Applied Sciences	22,500.00	Bid-at-three
27	Translation of regional bioeconomy strategy in English for JAP preparations and benchmarking visit. 100 / 100 characters	No	A2.2, A3.2.2	5. Hedmark County Council (SUCC EDED by PP13 (01.01.2020))	736.20	Bid-at-three
28	Regional stakeholder workshop introducing JAPs and network plans to Inland region stakeholders. 95 / 100 characters	No	A3.2.6; A2.2	13. Inland County Council	2,000.00	Bid-at-three
29	Traveling costs for non staff participating in benchmarking visit in NL. 800 Euro x4 persons 93 / 100 characters	No	A2.2.4	6. Tretorget Ltd	3,200.00	No procurement
Total					411,273.20	

Item No.	Contract specification	Investment item?	Group of activities no.	Contracting partner	Planned contract value	Planned award procedure
30	Transnational workshop and B2B meetings in Norway (and Sweden) - bus transport, meeting rooms etc. 98 / 100 characters	No	A3.2.1 and A3.2.2	6. Tretorget Ltd	8,000.00	Bid-at-three
31	Translation of developed materials 34 / 100 characters	No	A2.1.3 and A2.1.5	7. Regional Science and Technology Center	4,000.00	Bid-at-three
32	Catering 8 / 100 characters	No	A2.2.1	7. Regional Science and Technology Center	1,200.00	Bid-at-three
33	Conference and training materials 33 / 100 characters	No	A2.2.1	7. Regional Science and Technology Center	1,500.00	Bid-at-three
34	Information and promotion of the workshops for regional stakeholder 67 / 100 characters	No	A2.2.1	7. Regional Science and Technology Center	3,500.00	Bid-at-three
35	Catering 8 / 100 characters	No	A3.1.2	7. Regional Science and Technology Center	600.00	Bid-at-three
36	Information and promotion of the workshops for reg. stakeholder, Conference and training materials 98 / 100 characters	No	A3.1.2	7. Regional Science and Technology Center	4,100.00	Bid-at-three
37	Conference and training materials 34 / 100 characters	No	A3.2.1	7. Regional Science and Technology Center	700.00	Bid-at-three
38	Catering (food, refreshments) for workshops 43 / 100 characters	No	A3.2.1	7. Regional Science and Technology Center	2,000.00	Bid-at-three
39	Simultaneous translation 24 / 100 characters	No	A3.2.1	7. Regional Science and Technology Center	2,500.00	Bid-at-three
40	Travel, accommodation and insurance of external experts 57 / 100 characters	No	A3.2.1	7. Regional Science and Technology Center	3,656.00	Bid-at-three
41	Translation of developed materials 34 / 100 characters	No	A3.2.1	7. Regional Science and Technology Center	2,000.00	Bid-at-three
42	Catering for a meeting 22 / 100 characters	No	A4.1.2	7. Regional Science and Technology Center	375.00	Bid-at-three
43	Conference and training materials 33 / 100 characters	No	A4.2.1	7. Regional Science and Technology Center	375.00	Bid-at-three
44	Catering 8 / 100 characters	No	A4.1.3	7. Regional Science and Technology Center	375.00	Bid-at-three
45	Conference and training materials 33 / 100 characters	No	A4.1.3	7. Regional Science and Technology Center	375.00	Bid-at-three
46	Translation of developed materials 34 / 100 characters	No	A4.1.3	7. Regional Science and Technology Center	1,200.00	Bid-at-three
Total					411,273.20	

Item No.	Contract specification	Investment item?	Group of activities no.	Contracting partner	Planned contract value	Planned award procedure
47	Workshops on low emission with regional experts 47 / 100 characters	No	A4.2.2	7. Regional Science and Technology Center	2,168.00	Bid-at-three
48	Conceptual work on technological construction of operation of a mobile measuring device 87 / 100 characters	No	A4.2.2	7. Regional Science and Technology Center	3,386.00	Bid-at-three
49	Printing handouts 17 / 100 characters	No	A4.2.2	7. Regional Science and Technology Center	338.00	Bid-at-three
50	Catering to a partner meeting 29 / 100 characters	No	A4.2.2	7. Regional Science and Technology Center	440.00	Bid-at-three
51	Simultaneous translation 24 / 100 characters	No	A4.2.2	7. Regional Science and Technology Center	1,242.00	Bid-at-three
52	Develop a web application for data collecting (e-tool) 54 / 100 characters	No	A4.2.2	7. Regional Science and Technology Center	4,515.00	Bid-at-three
53	Licensed training on operation of the mobile device 51 / 100 characters	No	A4.2.2	7. Regional Science and Technology Center	1,130.00	Bid-at-three
54	IT services for e-tool maintenance 34 / 100 characters	No	A4.2.2	7. Regional Science and Technology Center	750.00	Bid-at-three
55	Translation of developed materials 34 / 100 characters	No	A4.2.3	7. Regional Science and Technology Center	2,000.00	Bid-at-three
56	Promotional materials (2 roll-ups, 1000 leaflets, 600 eco notepads with pens) 76 / 100 characters	No	WP2	8. Świętokrzyskie Voivodeship	1,185.00	Open national tender
57	Articles promoting project in regional press (4 articles x 1/2 page) 68 / 100 characters	No	WP2	8. Świętokrzyskie Voivodeship	6,840.00	Open national tender
58	Articles promoting project in regional press (4 articles x 1/2 page) 68 / 100 characters	No	A3.2.1, A3.2.2, A4.2.3	8. Świętokrzyskie Voivodeship	6,840.00	Open national tender
59	Civil contract with external expert - representative in the Advisory Board 74 / 100 characters	No	A2.2.2, A3.2.1	8. Świętokrzyskie Voivodeship	810.00	Other
60	Plane tickets, accommodation, allowances, insurance for external experts, ABoard / SC member 92 / 100 characters	No	A2.2.2, A3.2.1	8. Świętokrzyskie Voivodeship	5,381.00	Bid-at-three
61	Catering (coffee break, lunch) for workshops 44 / 100 characters	No	A2.1.3, A3.2.2., A4.2.2	8. Świętokrzyskie Voivodeship	4,080.00	Bid-at-three
62	Catering (coffee breaks, lunches, dinners) for transnational meetings 69 / 100 characters	No	A3.2.1	8. Świętokrzyskie Voivodeship	7,950.00	Bid-at-three
63	Interpretation during workshops, S.C and partner meetings 57 / 100 characters	No	WP1, A2.1.3, A3.2.1, A4.2.2	8. Świętokrzyskie Voivodeship	4,202.00	Bid-at-three
Total					411,273.20	

Item No.	Contract specification	Investment item?	Group of activities no.	Contracting partner	Planned contract value	Planned award procedure
64	Interpretation during benchmarking visits 41 / 100 characters	No	A2.2.4., A3.2.2	8. Świętokrzyskie Voivodeship	3,782.00	Bid-at-three
65	Translation of project outputs and official documents 53 / 100 characters	No	A2.1.3, A3.1.2	8. Świętokrzyskie Voivodeship	3,000.00	Bid-at-three
66	Contract for local transportation of transnational participants (airport - between meeting venues) 98 / 100 characters	No	A3.2.1, A3.2.2	8. Świętokrzyskie Voivodeship	1,664.00	No procurement
67	External financial management services of the project 54 / 100 characters	No	WP1, WP2, WP3, WP4	9. Foundation for Education and Social Dialogue PRO GMS	12,960.00	Bid-at-three
68	Website modification for the promotion of project activities 62 / 100 characters	No	WP1, WP2, WP3, WP4	9. Foundation for Education and Social Dialogue PRO GMS	1,000.00	No procurement
69	External expert services for contents of meetings and visits and to small local pilot 85 / 100 characters	No	A2.2.4, A3.2.2, A4.2.2	9. Foundation for Education and Social Dialogue PRO GMS	3,000.00	No procurement
70	Coffee breaks for management and steering group meetings 56 / 100 characters	No	WP1	10. Institute for Environmental Solutions	1,000.00	Bid-at-three
71	3 international experts for the preparation of OVBH in Latvia (fees, travel, accommodation, catering) 96 / 100 characters	No	A3.1	10. Institute for Environmental Solutions	12,000.00	Bid-at-three
72	6 international experts for building and upgrading of OVBH in Latvia (fees, travel, accommodation, catering) 98 / 100 characters	No	A3.1	10. Institute for Environmental Solutions	25,000.00	Bid-at-three
73	Coffee breaks for the benchmarking visit in Latvia 50 / 100 characters	No	A3.2	10. Institute for Environmental Solutions	1,000.00	Bid-at-three
74	External IT support for the pilot implementation in Latvia (expert on remote sensing) 85 / 100 characters	No	A4.2	10. Institute for Environmental Solutions	10,000.00	Bid-at-three
75	Organization of local workshop for bio-economy product innovation, involving external experts 93 / 100 characters	No	A4.2.2	11. Vidzeme Planning Region	5,500.00	Bid-at-three
76	Organization of local workshop for bio-economy process innovation, involving external experts 93 / 100 characters	No	A4.2.2	11. Vidzeme Planning Region	5,500.00	Bid-at-three
77	Travel expenses for benchmarking visits - for LV Food cluster members 69 / 100 characters	No	A2.2.4, A3.2.2	11. Vidzeme Planning Region	14,000.00	Open national tender
78	Costs for printing, layout and design of reports and translation 64 / 100 characters	No	A2.1, A2.1	11. Vidzeme Planning Region	1,500.00	Bid-at-three
Total					411,273.20	

Item No.	Contract specification	Investment item?	Group of activities no.	Contracting partner	Planned contract value	Planned award procedure
79	Travel expenses to Steering committee meetings for external Advisory Board/ SC experts 87 / 100 characters	No	A2.2.2, A3.2.1	11. Vidzeme Planning Region	3,000.00	Open national tender
80	Travel expenses for external stakeholders to Transnational Multiplier group meetings 84 / 100 characters	No	A2.2.2, A3.2.1.	11. Vidzeme Planning Region	4,000.00	Open national tender
81	Organizational costs for NL benchmarking visit 46 / 100 characters	No	A2.2.4	11. Vidzeme Planning Region	3,000.00	Bid-at-three
82	Organization costs of Transnational workshop, SC and partner meeting in Latvia 78 / 100 characters	No	A3.2.1	11. Vidzeme Planning Region	3,670.00	Open national tender
83	Organizational costs for JAP development regional stakeholder workshop 68 / 100 characters	No	A2.2.1	11. Vidzeme Planning Region	1,000.00	Bid-at-three
84	Conference room rent and catering for transnational meetings 60 / 100 characters	No	A2.2.2	12. Stockholm Environment Institute Tallinn Center	8,000.00	Bid-at-three
85	Meeting room rent and catering 30 / 100 characters	No	A3.1.2	12. Stockholm Environment Institute Tallinn Center	1,000.00	Bid-at-three
86	Meeting room rent and catering 30 / 100 characters	No	A3.2.3	12. Stockholm Environment Institute Tallinn Center	1,000.00	Bid-at-three
87	Note: The FLC costs for PP5 are paid from other sources. 56 / 100 characters	No	WP1	5. Hedmark County Council (SUCC EDED by PP13 (01.01.2020))	0.00	No procurement
88	Note: The FLC costs for PP6 are paid from other sources. 56 / 100 characters	No	WP1	6. Tretorget Ltd	0.00	No procurement
Total					411,273.20	

6.2 Equipment

Item No.	Category		Investment item?	Group of activities no.	Contracting partner	Planned contract value	Planned award procedure
	Category	Additional Specification					
1	IT hardware and software	Leasing the laptop for Project Manager 38 / 100 characters	No	WP1, WP2, WP3, WP4	1. JAMK University of Applied Sciences	1,400.00	Other
2	IT hardware and software	Laptop computer with software (2 items) 39 / 100 characters	No	WP1, WP2, WP3, WP4	9. Foundation for Education and Social Dialogue PRO-GMS	1,400.00	No procurement
3	IT hardware and software	Computer with software for WP3 leader 37 / 100 characters	No	A3.1, A3.2	10. Institute for Environmental Solutions	1,300.00	Bid-at-three
4	IT hardware and software	Computer with software for WP4 leader 37 / 100 characters	No	A4.1, A4.2	10. Institute for Environmental Solutions	1,300.00	Bid-at-three
5	IT hardware and software	High performance computer for the pilot project 48 / 100 characters	No	A4.2	10. Institute for Environmental Solutions	4,500.00	Bid-at-three
6	Other specific equipment	Rent of specific drones and other equipment for the pilot 57 / 100 characters	No	A4.2	10. Institute for Environmental Solutions	22,000.00	Bid-at-three
7	Office equipment	Rent of specific IT seminar equipment for the management of WG meetings 71 / 100 characters	No	WP1, A3.1, A3.2, WP4	10. Institute for Environmental Solutions	8,500.00	Bid-at-three
8	IT hardware and software	Laptop computer and MS Office software for project staff 56 / 100 characters	No	WP1, WP2, WP3, WP4	12. Stockholm Environment Institute Tallinn Center	1,200.00	Bid-at-three
9	IT hardware and software	Rent and licences of commercial cloud SaaS (Software as a Service) for creating OVBH 85 / 100 characters	No	A3.2.4	4. Inland Norway University of Applied Sciences	12,000.00	Bid-at-three
10	Tools or devices	The necessary tools components of the mobile measuring device 61 / 100 characters	Yes	A4.2	7. Regional Science and Technology Center	1,580.00	Bid-at-three
11	Tools or devices	A mobile device (drone) carrying a measuring device to measure level of air pollution. 86 / 100 characters	Yes	A4.2	7. Regional Science and Technology Center	3,386.00	Bid-at-three
Total						58,566.00	

6.3 Infrastructure and works

Item No.	Contract specification	Investment item?	Group of activities no.	Contracting partner	Planned contract value	Planned award procedure
1	<input type="text"/> 0 / 100 characters	<input type="text" value="Yes"/>	<input type="text" value="Please select"/>	<input type="text" value="Please select"/>	<input type="text" value="0.00"/>	<input type="text" value="Please select"/>
	Total				<input type="text" value="0.00"/>	

6.4 Expenditure for specific project activities (e.g. expenditure for large research activities on sea etc.)














This section is activated only in the exceptional cases defined in the Programme Manual and after a successful consultation with the JS.

6.5 Breakdown of planned project costs per budget line & per partner

Partner	BL1 - Staff costs	BL2 - Office & administration	BL3 - Travel & accommodation	BL4 - External expertise & services	BL5 - Equipment	BL6 - Infrastructure & works	BL7 - Specific project activities	Total project budget
PP 1 - JAMK University of Applied Sciences	406,477.00	60,971.55	24,700.00	61,500.00	1,400.00	0.00	0.00	555,048.55
PP 2 - Regional Council of Central Finland	130,585.00	19,587.75	18,000.00	37,600.00	0.00	0.00	0.00	205,772.75
PP 3 - SSYP Kehitys Oy Ltd.	92,480.00	13,872.00	23,200.00	50,448.00	0.00	0.00	0.00	180,000.00
PP 4 - Inland Norway University of Applied Sciences	300,000.00	45,000.00	15,000.00	40,500.00	12,000.00	0.00	0.00	412,500.00
PP 5 - Hedmark County Council (SUCCEEDED by PP13 (01.01.2020))	80,176.02	12,026.40	3,077.47	736.20	0.00	0.00	0.00	96,016.09
PP 6 - Tretorget Ltd	192,700.00	28,905.00	12,195.00	11,200.00	0.00	0.00	0.00	245,000.00
PP 7 - Regional Science and Technology Center	74,250.00	11,137.50	29,292.35	44,425.00	4,966.00	0.00	0.00	164,070.85
PP 8 - Świętokrzyskie Voivodeship	43,563.00	6,534.45	20,342.00	45,734.00	0.00	0.00	0.00	116,173.45
PP 9 - Foundation for Education and Social Dialogue PRO CIVIS	55,700.00	8,355.00	23,100.00	16,960.00	1,400.00	0.00	0.00	105,515.00
PP 10 - Institute for Environmental Solutions	120,000.00	18,000.00	15,400.00	49,000.00	37,600.00	0.00	0.00	240,000.00
PP 11 - Vidzeme Planning Region	124,200.00	18,630.00	16,000.00	41,170.00	0.00	0.00	0.00	200,000.00
PP 12 - Stockholm Environment Institute Tallinn Center	79,950.00	11,992.50	10,000.00	10,000.00	1,200.00	0.00	0.00	113,142.50
PP 13 - Inland County Council	15,365.36	2,304.80	4,000.00	2,000.00	0.00	0.00	0.00	23,670.16
Total	1,715,446.38	257,316.95	214,306.82	411,273.20	58,566.00	0.00	0.00	2,656,909.35

There is no state aid relevant activity selected.

6.7 Planned project budget per funding source & per partner

Partner	Country	Legal status	Funding source	Co-financing rate [in %]	Total [in EUR]	Programme co-financing [in EUR]	Own contribution [in EUR]
PP 1 - JAMK University of Applied Sciences	 FI	Bodies governed by public law	ERDF	75.00 %	555,048.55	416,286.41	138,762.14
PP 2 - Regional Council of Central Finland	 FI	National (governmental), regional and local public authorities	ERDF	75.00 %	205,772.75	154,329.56	51,443.19
PP 3 - SSYP Kehitys Oy Ltd.	 FI	Bodies governed by public law	ERDF	75.00 %	180,000.00	135,000.00	45,000.00
PP 4 - Inland Norway University of Applied Sciences	 NO	Bodies governed by public law	Norway	50.00 %	412,500.00	206,250.00	206,250.00
PP 5 - Hedmark County Council (SUCCEEDED by PP13 (01.01.2020))	 NO	National (governmental), regional and local public authorities	Norway	50.00 %	96,016.09	48,008.04	48,008.05
PP 6 - Tretorget Ltd	 NO	Bodies having legal personality, but not fulfilling criteria i and/or iii under category b)	Norway	50.00 %	245,000.00	122,500.00	122,500.00
PP 7 - Regional Science and Technology Center	 PL	National (governmental), regional and local public authorities	ERDF	85.00 %	164,070.85	139,460.22	24,610.63
PP 8 - Świętokrzyskie Voivodeship	 PL	National (governmental), regional and local public authorities	ERDF	85.00 %	116,173.45	98,747.43	17,426.02
PP 9 - Foundation for Education and Social Dialogue PRO CIVIS	 PL	Bodies having legal personality, but not fulfilling criteria i and/or iii under category b)	ERDF	85.00 %	105,515.00	89,687.75	15,827.25
PP 10 - Institute for Environmental Solutions	 LV	Bodies having legal personality, but not fulfilling criteria i and/or iii under category b)	ERDF	85.00 %	240,000.00	204,000.00	36,000.00
PP 11 - Vidzeme Planning Region	 LV	National (governmental), regional and local public authorities	ERDF	85.00 %	200,000.00	170,000.00	30,000.00
PP 12 - Stockholm Environment Institute Tallinn Center	 EE	Bodies governed by public law	ERDF	85.00 %	113,142.50	96,171.12	16,971.38
PP 13 - Inland County Council	 NO	National (governmental), regional and local public authorities	Norway	50.00 %	23,670.16	11,835.08	11,835.08
Total ERDF					1,879,723.10	1,503,682.49	376,040.61
Total Norway					777,186.25	388,593.12	388,593.13
Total					2,656,909.35	1,892,275.61	764,633.74

6.8 Spending Plan - per reporting Period

	EU partners (ERDF)	Norwegian partners (Norway)	Total
Period 1 [Month 1-6]	306,383.22	97,770.00	404,153.22
Period 2 [Month 7-12]	363,481.50	116,885.00	480,366.50
Period 3 [Month 13-18]	299,866.58	180,486.00	480,352.58
Period 4 [Month 19-24]	327,843.83	170,300.00	498,143.83
Period 5 [Month 25-30]	278,872.56	127,640.00	406,512.56
Period 6 [Month 31-36]	303,275.41	84,105.25	387,380.66
Total	1,879,723.10	777,186.25	2,656,909.35

6.9 Net-revenues

No.	Project Partner	Description	Amount [in EUR]	Source of revenues
1	<input type="text" value="Please select"/>	<input type="text"/> 0 / 100 characters	<input type="text" value="0.00"/>	<input type="text"/> 0 / 100 characters

7. Preparatory costs

7.1 Preparation Costs

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

Yes

7.2 Other EU support of preparatory cost

Did you receive any other EU funds specifically designated to the development of this project application?

No

7.3 Payment request to reimburse Preparation cost

The project herewith applies for reimbursement of the preparation cost.

This reimbursement is based on a lump sum which means that no real cost have to be certified by the first level controller. Please note that for the lump sums no accounting documents proving expenditure will be required by the Programme. The only preconditions to receive this lump sum payment are:

- the approval of your application;
- the conclusion of the subsidy contract;
- no double financing of the preparation cost.

PP no.	PP name/country	Total cost	Co-financing rate	Reimbursement	Fund
1	Jyväskylän ammattikorkeakoulu (JAMK) (FI)	6,500.00	75%	4,875.00	ERDF
2	Keski-Suomen liitto (FI)	1,500.00	75%	1,125.00	ERDF
3	SSYP Kehitys Oy (FI)	1,500.00	75%	1,125.00	ERDF
4	Høgskolen i Innlandet (NO)	1,500.00	75%	1,125.00	NOR
5	Hedmark Fylkeskommune (SUCCEEDED by PP13 (01.01.2020)) (NO)	1,000.00	75%	750.00	NOR
6	Tretorget AS (NO)	1,500.00	75%	1,125.00	NOR
7	Regionalne Centrum Naukowo-Technologiczne (PL)	1,000.00	75%	750.00	ERDF
8	Województwo Świętokrzyskie (PL)	1,500.00	75%	1,125.00	ERDF
9	Fundacja Edukacji i Dialogu Społecznego PRO CIVIS (PL)	1,500.00	75%	1,125.00	ERDF
10	Vides risinājumu institūts (LV)	500.00	75%	375.00	ERDF
11	Vidzemes plānošanas reģions (LV)	1,000.00	75%	750.00	ERDF
12	Stockholmi Keskonnainstituudi Tallinna Keskus (EE)	1,000.00	75%	750.00	ERDF
13	Innlandet fylkeskommune (NO)	0.00	75%	0.00	NOR
TOTAL		20,000	75%	15,000	

7.4 Bank information

Name of the bank	Pohjola Bank Plc	
Address	P.O. Box 308	
Country & Town	Finland	FI-00013 POHJOLA
IBAN	FI38 5290 0220 4210 34	
BIC (S.W.I.F.T.-Code)	OKOYFIHH	
Internal reference	Institute of Bioeconomy / RD12CluB project	
Holder of the account	JAMK University of Applied Sciences	
Address	Rajakatu 35	
Country & Town	Finland	FI-40200 Jyväskylä

