

1. Identification

Call

C1

Date of submission

26/04/2022

1.1. Full name of the project

Development of personal protective equipment for use in high-risk areas

71 / 250 characters

1.2. Short name of the project

PPE-UP

6 / 20 characters

1.3. Programme priority

1. Innovative societies

1.4. Programme objective

1.1 Resilient economies and communities

1.6. Project duration

Contracting start

22/09/2022

Contracting end

31/12/2022

Implementation start

01/01/2023

Implementation end

31/12/2025

Duration of implementation phase (months)

36

Closure start

01/01/2026

Closure end

31/03/2026

1.7. Project summary

The main goal of the project is to develop a policy for coordinated crisis management involving practical developments locally. In the Baltic Sea region, the effects of the current crises are particularly marked in terms of lack of personal protective equipment (PPE) especially for everyday use for civilians (in case of crisis - fume, bacteria, viruses and other fine particulate matter pollution). Another important aspect is environmental pollution (piling PPE trash). The region is dependent on external suppliers for PPE. However, as a market object, the region is made up of relatively small countries, which both allow for more transparent and tailor-made policy decisions and also fragment the supply chain.

At present, crisis management is in the hands of national authorities, which always is not the best solution - major crises (such as Covid-19) have shown that even highly experienced professionals need advice from a range of experts - mainly from research institutions.

The project will lead to a common policy involving the experience of the project partners, involving practical solutions that will allow crisis situations to be addressed promptly, in a coordinated manner and involving local production forces to develop PPE, test them and therefore promote local independence, integrity, sustainability and regional cooperation.

The practical result and policy will be developed based on the best practices and their application in the contact with target groups and society.

1,496 / 1,500 characters

1.8. Summary of the partnership

The Project Partner network consists of two partner types:

1) Higher education and research institutes in Estonia, Finland, Latvia and Poland;

2) Associated organizations to provide external support for project development in various fields - production, business support and crisis management. Besides partners involved all scientific institutions has collaboration with crises management authorities. For example with Estonian Rescue Board we have long-term cooperation contract, also with Estonian Defense Forces we have 3 -years contract for research and scientific works. RTU has long term collaboration with National Defense Forces, Border guard, and State Emergency Medical Service of Latvia - all of the institutions will help to obtain best result. Central Institute for Labour Protection – National Research Institute (Poland) itself is both - research institution and organization supporting crisis management in Poland. The target groups of the project solution with practical development and policy are local and national authorities that deal with crisis situations. In situations where the solution to the crisis is the movement of people and the supply of first aid goods, the authorities have developed policies. However, major crises, which are not common and commonplace, require the supply of PPE to civilians, which may not be available in sufficient quantities, the supply of which may be delayed or even blocked. This experience can be seen in all types of pollution - widespread fires, but especially in terms of COVID-19. As a result of such crises, the authorities are looking for experts in the field of materials, testing, ergonomics and also environmental impact assessments in research institutions. The research institutions involved have extensive experience in all these areas. PPE development and testing, ergonomics assessment, situation assessment, suitability for a specific pollution, sustainability and activities supporting crisis management are the competencies that will be used to develop a common solution. Cooperation in a crisis situation, although fragmented, has shown good potential and the opportunity to develop a practical solution for the project.

Associated partner Lenzing AG is based in Austria. Lenzing's core business is the sustainable production of botanic fibers. Lenzing's production experience is good addition to the development and gain competencies from the enterprise as associated partner. Will be involved as external experience givers in the activity 1.2.PPE testing and local production enhancement.

Associated partner Latvia Technology Park will support SMEs for innovative product creation. Will be involved as business support organization in the activity 1.2.PPE testing and local production enhancement and activity 2.1. PPE testing and enhancement.

State Fire and Rescue Service will be involved in all activities - especially policy making, piloting and transferring.

2,946 / 3,000 characters

1.11. Project Budget Summary

Financial resources [in EUR]		Preparation costs	Planned project budget
ERDF	ERDF co-financing	0.00	1,649,071.04
	Own contribution ERDF	0.00	412,267.76
	ERDF budget	0.00	2,061,338.80
NO	NO co-financing	0.00	0.00
	Own contribution NO	0.00	0.00
	NO budget	0.00	0.00
NDICI	NDICI co-financing	0.00	0.00
	Own contribution NDICI	0.00	0.00
	NDICI budget	0.00	0.00
RU	RU co-financing	0.00	0.00
	Own contribution RU	0.00	0.00
	RU budget	0.00	0.00
TOTAL	Total Programme co-financing	0.00	1,649,071.04
	Total own contribution	0.00	412,267.76
	Total budget	0.00	2,061,338.80

2. Partnership

2.1. Overview: Project Partnership

2.1.1 Project Partners

No.	LP/PP	Organisation (English)	Organisation (Original)	Country	Type of partner	Legal status	Partner budget in the project	Active/inactive	
								Status	from
1	LP	Riga Technical University	Rīgas Tehniskā universitāte	LV	Higher education and research institution	a)	759,166.40 €	Active	22/09/2022
2	PP	TTK University of Applied Sciences	Tallinna Tehnikakõrgkool	EE	Higher education and research institution	a)	549,022.40 €	Active	22/09/2022
3	PP	Central Institute for Labour Protection – National Research Institute	Centralny Instytut Ochrony Pracy – Państwowy Instytut Badawczy	PL	Higher education and research institution	a)	246,150.00 €	Active	22/09/2022
4	PP	LAB University of Applied Sciences	LAB Ammattikorkeakoulu	FI	Higher education and research institution	a)	507,000.00 €	Active	22/09/2022

2.1.2 Associated Organisations

No.	Organisation (English)	Organisation (Original)	Country	Type of Partner
AO 1	Lenzing AG	Lenzing Aktiengesellschaft	AT	Large enterprise
AO 2	Latvia Technology Park	Latvijas Tehnoloģiskais parks	LV	Business support organisation
AO 3	State Fire and Rescue Service Republic of Latvia	Valsts ugunsdzēsības un glābšanas dienests	LV	National public authority
AO 4	National Emergency Supply Agency	Huoltovarmuskeskus	FI	National public authority
AO 5	Estonian Rescue Board	Päästeame	EE	National public authority
AO 6	Region Skåne & Southern Health Care Region	Region Skåne och Södra Sjukvårdsregionen	SE	Hospital and medical centre
AO 7	West Tallinn Central Hospital	Lääne-Tallinna Keskhaigla	EE	Hospital and medical centre

2.2 Project Partner Details - Partner 1

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

Partner name:

Organisation in original language	Rīgas Tehniskā universitāte	27 / 250 characters
Organisation in English	Riga Technical University	25 / 250 characters
Department in original language	Ergonomikas elektrotehnoloģiju zinātniskā laboratorija	54 / 250 characters
Department in English	Research Laboratory of Ergonomics Electrical Technologies	57 / 250 characters

Partner location and website:

Address	1 k1 Meza Street	16 / 250 characters	Country	Latvia
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Postal Code Town Website	<input type="text" value="LV-1048"/> <small>7 / 250 characters</small> <input type="text" value="Rīga"/> <small>4 / 250 characters</small> <input type="text" value="www.rtu.lv"/> <small>10 / 100 characters</small>	NUTS1 code NUTS2 code NUTS3 code	<input type="text" value="Latvija"/> <input type="text" value="Latvija"/> <input type="text" value="Rīga"/>
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Partner ID:

Organisation ID type Organisation ID VAT Number Format VAT Number PIC	<input type="text" value="Unified registration number (Vienotais reģistrācijas numurs)"/> <input type="text" value="90000068977"/> <input type="text" value="LV + 11 digits"/> <input type="checkbox"/> N/A <input type="text" value="LV90000068977"/> <small>13 / 50 characters</small> <input type="text" value="999920718"/> <small>9 / 9 characters</small>
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Partner type:

Legal status Type of partner Sector (NACE)	<input type="text" value="a) Public"/> <input type="text" value="Higher education and research instituti"/> <input type="text" value="University faculty, college, research institution, RTD facility, research cluster, etc."/> <input type="text" value="72.19 - Other research and experimental development on natural sciences and engineering"/>
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Partner financial data:

Is your organisation entitled to recover VAT related to the EU funded project activities?		<input type="text" value="No"/>
Financial data	Reference period <input type="text" value="01/01/2021"/> – <input type="text" value="31/12/2021"/> Staff headcount [in annual work units (AWU)] Employees [in AWU] Persons working for the organisation being subordinated to it and considered to be employees under national law [in AWU] Owner-managers [in AWU] Partners engaged in a regular activity in the organisation and benefiting from financial advantages from the organisation [in AWU] Annual turnover [in EUR] Annual balance sheet total [in EUR] Operating profit [in EUR]	<input type="text" value="1,424.0"/> <input type="text" value="1,362.0"/> <input type="text" value="0.0"/> <input type="text" value="62.0"/> <input type="text" value="0.0"/> <input type="text" value="81,641,442.00"/> <input type="text" value="201,241,280.00"/> <input type="text" value="0.00"/>

Role of the partner organisation in this project:

RTU is a leading engineering science university in Latvia in terms of scientific output and innovation (viz. 2500 papers per year, doctoral students, income from industry and start-ups). RTU strongest fields in the Baltic region scale are advanced materials science (biomaterials, catalysts, composite materials), robotics, and environmental/energy technologies with more than 100 projects. The project executor is the Research Laboratory of Ergonomics Electrical Technologies. Ergonomics is in itself an interdisciplinary field of research and so is the profile of project research. Thus, the EETLab unites scientists from various fields of research to provide an excellent project team that will be able to implement the project goals. Additionally it has an extensive supply of state-of-art ISO standards compliant testing equipment required for this project. The head of the project has managing, coordination and participation experience in more than 10 national and EU co-financed projects.

996 / 1,000 characters

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

Yes No

State aid relevance

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

Yes No

2.2 Project Partner Details - Partner 2

LP/PP

Partner Status

Active from **Inactive from**

Partner name:

Organisation in original language 24 / 250 characters

Organisation in English 35 / 250 characters

Department in original language 38 / 250 characters

Department in English 45 / 250 characters

Partner location and website:

Address	<input type="text" value="Pärnu 62"/> <small>9 / 250 characters</small>	Country	<input type="text" value="Estonia"/>
Postal Code	<input type="text" value="10135"/> <small>5 / 250 characters</small>	NUTS1 code	<input type="text" value="Eesti"/>
Town	<input type="text" value="Tallinn"/> <small>7 / 250 characters</small>	NUTS2 code	<input type="text" value="Eesti"/>
Website	<input type="text" value="www.ttkk.ee"/> <small>11 / 100 characters</small>	NUTS3 code	<input type="text" value="Põhja-Eesti"/>

Partner ID:

Organisation ID type

Organisation ID

VAT Number Format

VAT Number N/A 11 / 50 characters

PIC 9 / 9 characters

Partner type:

Legal status

Type of partner

Sector (NACE)

Partner financial data:

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

No

Role of the partner organisation in this project:

TTK University of Applied Sciences (TTK UAS) is a state professional higher education institution, offering competitive professional higher education mainly in the field of engineering. TTK UAS is Estonia's largest national technical university of applied sciences. TTK UAS offers applied research, training and consultation services to enterprises and public sector. Cooperation with enterprises contributes to understanding better the labour market and being more attractive to both degree students and life-long learners. TTK University of Applied Sciences is a member of Estonian Rectors' Conference of Universities of Applied Sciences (RCUAS) and contributes actively to high-level international networks. TTK UAS competence in this project is in material circles, bioeconomy and logistics. Interest in developing knowledge about sustainability in clothing and textile sector, cooperating with universities and organizations outside of Estonia and sharing knowledge and good practices.

992 / 1,000 characters

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

Yes No

State aid relevance

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

Yes No

2.2 Project Partner Details - Partner 3

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

Partner name:

Organisation in original language	Centralny Instytut Ochrony Pracy – Państwowy Instytut Badawczy		
	62 / 250 characters		
Organisation in English	Central Institute for Labour Protection – National Research Institute		
	69 / 250 characters		
Department in original language	Zakład Ochron Osobistych		
	24 / 250 characters		
Department in English	Department of Personal Protective Equipment		
	43 / 250 characters		

Partner location and website:

Address	Czerniakowska 16	Country	Poland
	16 / 250 characters		
Postal Code	00-701	NUTS1 code	Makroregion województwo mazowieckie
	6 / 250 characters		
Town	Warsaw	NUTS2 code	Warszawski stołeczny
	6 / 250 characters		
Website	www.ciop.pl	NUTS3 code	Miasto Warszawa
	12 / 100 characters		

Partner ID:

Organisation ID type	Tax identification number (NIP)	
Organisation ID	5250008270	
VAT Number Format	PL + 10 digits	
VAT Number	<input type="checkbox"/> N/A	<input type="text" value="PL5250008270"/> <small>12 / 50 characters</small>
PIC	<input type="text" value="999542709"/> <small>9 / 9 characters</small>	

Partner type:

Legal status	<input type="text" value="a) Public"/>	
Type of partner	<input type="text" value="Higher education and research instituti"/>	<input type="text" value="University faculty, college, research institution, RTD facility, research cluster, etc."/>
Sector (NACE)	<input type="text" value="72.19 - Other research and experimental development on natural sciences and engineering"/>	

Partner financial data:

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

Role of the partner organisation in this project:

Role of the partner – CIOP-PIB Central Institute for Labour Protection - National Research Institute (CIOP-PIB) is a leading research institution in the field of occupational safety and health (OSH) in Poland. The institute will contribute to the project by sharing extensive knowledge and experience in conducting scientific research aimed at developing new technological and organisational solutions useful in designing working conditions compliant with occupational safety and ergonomics requirements. CIOP-PIB will be leading the task 2.1 in WP2 by providing full respiratory protective devices testing facilities and certification expertise. CIOP-PIB experts are competent in the field of EU legal requirements concerning OSH, in particular relating to the design and use of personal protective equipment. As an institution supporting the national authorities in crisis management, we will also support the transfer of developed solution for broad use in the crisis.

972 / 1,000 characters

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

Yes No

State aid relevance

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

Yes No

2.2 Project Partner Details - Partner 4

LP/PP	<input type="text" value="Project Partner"/>		
Partner Status	<input type="text" value="Active"/>		
	Active from	<input type="text" value="22/09/2022"/>	Inactive from
			<input type="text"/>

Partner name:

Organisation in original language	<input type="text" value="LAB Ammattikorkeakoulu"/> <small>22 / 250 characters</small>	
Organisation in English	<input type="text" value="LAB University of Applied Sciences"/> <small>35 / 250 characters</small>	

Department in original language 19 / 250 characters

Department in English 24 / 250 characters

Partner location and website:

<p>Address <input type="text" value="Mukkulankatu 19"/> 15 / 250 characters</p> <p>Postal Code <input type="text" value="15210"/> 5 / 250 characters</p> <p>Town <input type="text" value="Lahti"/> 5 / 250 characters</p> <p>Website <input type="text" value="www.lab.fi"/> 10 / 100 characters</p>	<p>Country <input type="text" value="Finland"/></p> <p>NUTS1 code <input type="text" value="Manner-Suomi"/></p> <p>NUTS2 code <input type="text" value="Etelä-Suomi"/></p> <p>NUTS3 code <input type="text" value="Päijät-Häme"/></p>
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Partner ID:

Organisation ID type

Organisation ID

VAT Number Format

VAT Number 10 / 50 characters

PIC 9 / 9 characters

Partner type:

Legal status

Type of partner

Sector (NACE)

Partner financial data:

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

Role of the partner organisation in this project:

During COVID-19 a multidisciplinary workgroup, including LAB University of Applied Sciences, was set up in Finnish hospital districts to collect FFP2 and FFP3 respirators and gowns to secure emergency supplies and create a purification system. The multidisciplinary workgroup designed the collection, preservation, and transport process of soiled respirators and gowns and guidelines for the hospital staff members. This protocol can be developed further and implemented in all Baltic Sea region countries. LAB has been involved also in a multidisciplinary consortia project (Bioprot) which has developed biobased material with antiviral features to be used in PPEs. These biobased materials improve self-sufficiency in PPEs raw materials in the Baltic Sea area. Also, antiviral features improve the protective capability of the PPEs. The project has also been developing concepts for the future-proof, intelligent PPEs. All this information will be implemented to reach projects output.

988 / 1,000 characters

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

Yes No

State aid relevance

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

Yes No

2.3 Associated Organisation Details - AO 1

Associated organisation name and type:

Organisation in original language	Lenzing Aktiengesellschaft		26 / 250 characters
Organisation in English	Lenzing AG		10 / 250 characters
Department in original language	Research & Development		22 / 250 characters
Department in English	Research & Development		22 / 250 characters
Legal status	b) Private		
Type of associated organisation	Large enterprise	≥ 250 employees	

Associated organisation location and website:

Address	Werkstraße 2	Country	Austria
	12 / 250 characters		
Postal Code	4860		
	5 / 250 characters		
Town	Lenzing		
	7 / 250 characters		
Website	www.lenzing.com		
	15 / 100 characters		

Role of the associated organisation in this project:

Lenzing's core business is the sustainable production of botanic fibers. Lenzing, as a European located company producing sustainable products, could be one of the players in the supply chain for such a region-wide supply. It makes sense to involve the Lenzing into the project, test production and demonstrate it as a good addition to the development and gain competencies from the enterprise as associated partner. Sustainability is a prerequisite and imperative for each Lenzing innovation. Responsible entrepreneurship and our understanding of corporate social responsibility determine this approach. Will be involved as external experience givers in the WP 1, activity 1.2.PPE testing and local production enhancement.

723 / 1,000 characters

2.3 Associated Organisation Details - AO 2

Associated organisation name and type:

Organisation in original language	<input type="text" value="Latvijas Tehnoloģiskais parks"/> <small>29 / 250 characters</small>	
Organisation in English	<input type="text" value="Latvia Technology Park"/> <small>22 / 250 characters</small>	
Department in original language	<input type="text" value="Latvijas Tehnoloģiskais parks"/> <small>29 / 250 characters</small>	
Department in English	<input type="text" value="Latvia Technology Park"/> <small>22 / 250 characters</small>	
Legal status	<input type="text" value="a) Public"/>	
Type of associated organisation	<input type="text" value="Business support organisation"/>	<input type="text" value="Chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc."/>

Associated organisation location and website:

Address	<input type="text" value="Pulka iela 3"/> <small>12 / 250 characters</small>	Country	<input type="text" value="Latvia"/>
Postal Code	<input type="text" value="LV1007"/> <small>6 / 250 characters</small>		
Town	<input type="text" value="Riga"/> <small>4 / 250 characters</small>		
Website	<input type="text" value="www.ltp.lv"/> <small>10 / 100 characters</small>		

Role of the associated organisation in this project:

The main task of Latvia Technology Park (LTP), founded in 1996, is to promote commercialization of science through modern technologies, to support the startups and development of technological and innovative businesses. This link well to the project activity whereas innovative PPE ought to be elaborated, developed and specified as the part of solution (practical part). LTP supports entrepreneurs and researchers in management and provides consulting for business and product development projects, marketing and partner search. LTP will broaden the crossborder network and cooperation with other partner organizations and will strengthen knowledge transfer among manufacturing companies, students, startups and representatives from target groups. LTP will provide to the project the most informed, capable and deficient personnel, aiming to provide well targeted and reasonable activities.

890 / 1,000 characters

2.3 Associated Organisation Details - AO 3

Associated organisation name and type:

Organisation in original language	Valsts ugunsdzēsības un glābšanas dienests		42 / 250 characters
Organisation in English	State Fire and Rescue Service Republic of Latvia		48 / 250 characters
Department in original language	Valsts ugunsdzēsības un glābšanas dienests		42 / 250 characters
Department in English	State Fire and Rescue Service Republic of Latvia		48 / 250 characters
Legal status	a) Public		
Type of associated organisation	National public authority	Ministry, etc.	

Associated organisation location and website:

Address	Maskavas street 5	17 / 250 characters	Country	Latvia
Postal Code	LV1050	6 / 250 characters		
Town	Riga	4 / 250 characters		
Website	www.vugd.gov.lv	15 / 100 characters		

Role of the associated organisation in this project:

The State Fire and Rescue Service is an institution of direct administration under the supervision of the Minister of the Interior. The Service implements the state policy in the field of fire safety, firefighting, rescue work, civil protection and holds the emergency number "112" throughout the territory of Latvia. SFRS performs firefighting and rescue work, as well as coordinates the activities of other institutions and voluntary firefighting organizations related to fire safety and firefighting. Role in project is to participate as informative and supportive partner - share knowledge and experience on management of crisis situations.

647 / 1,000 characters

2.3 Associated Organisation Details - AO 4

Associated organisation name and type:

Organisation in original language	<input type="text" value="Huoltovarmuuskeskus"/>	19 / 250 characters
Organisation in English	<input type="text" value="National Emergency Supply Agency"/>	32 / 250 characters
Department in original language	<input type="text" value="Huoltovarmuuskeskus"/>	19 / 250 characters
Department in English	<input type="text" value="National Emergency Supply Agency"/>	32 / 250 characters
Legal status	<input type="text" value="a) Public"/>	
Type of associated organisation	<input type="text" value="National public authority"/>	<input type="text" value="Ministry, etc."/>

Associated organisation location and website:

Address	<input type="text" value="Aleksanterinkatu 48 A"/>	21 / 250 characters	Country	<input type="text" value="Finland"/>
Postal Code	<input type="text" value="FI-00100"/>	8 / 250 characters		
Town	<input type="text" value="Helsinki"/>	8 / 250 characters		
Website	<input type="text" value="www.huoltovarmuuskeskus.fi"/>	26 / 100 characters		

Role of the associated organisation in this project:

The National Emergency Supply Agency (NESA) is a central government organization operating under the Ministry of Economic Affairs and Employment of Finland. It is an expert organisation tasked with carrying out planning and operations related to the maintenance and development of Finland's security of supply. The NESA's strategic tasks are to:

- + coordinate preparedness cooperation between the private and public sectors
- + oversee the practical arrangements related to the maintaining of national emergency stockpiles and security and compulsory stockpiles
- + ensure the functionality of essential technical systems and safeguard critical goods and service production
- + monitor international developments and maintain contact with foreign authorities and institutions.

769 / 1,000 characters

2.3 Associated Organisation Details - AO 5

Associated organisation name and type:

Organisation in original language	Päästeame		10 / 250 characters
Organisation in English	Estonian Rescue Board		21 / 250 characters
Department in original language	Päästeame		10 / 250 characters
Department in English	Estonian Rescue Board		21 / 250 characters
Legal status	a) Public		
Type of associated organisation	National public authority	Ministry, etc.	

Associated organisation location and website:

Address	Kesklinna linnaosa, Raua tn 2	Country	Estonia	29 / 250 characters
Postal Code	10124			6 / 250 characters
Town	Tallinn			7 / 250 characters
Website	www.rescue.ee			13 / 100 characters

Role of the associated organisation in this project:

The Estonian Rescue Board is a government agency under the Ministry of the Interior that develops and maintains a secure environment in Estonia, anticipates threats. And promptly and professionally assists people in the event of an accident. With approximately 2,200 employees, the Estonian Rescue Board is the second largest public sector body.

The Estonian Rescue Board has departments that develop, plan, and manage activities, regional rescue centres, and the Explosive Ordnance Disposal Centre, which all carry out the activities of the Estonian Rescue Board. Northern, Southern, Eastern and Western rescue centres organise the day-to-day rescue work, fire safety surveillance, emergency prevention, and crisis management.

728 / 1,000 characters

2.3 Associated Organisation Details - AO 6

Associated organisation name and type:

Organisation in original language	Region Skåne och Södra Sjukvårdsregionen	40 / 250 characters
Organisation in English	Region Skåne & Southern Health Care Region	42 / 250 characters
Department in original language	Medicinsk Service, Arbetes-och miljömedicin Syd	47 / 250 characters
Department in English	Medical Service, Occupational and Environmental Medicine South	62 / 250 characters
Legal status	a) Public	
Type of associated organisation	Hospital and medical centre	Hospital, medical centre, other health care centres and facilities, etc.

Associated organisation location and website:

Address	Medicon Village, Scheelevägen 8, By 402A, Level 2	Country	Sweden
	49 / 250 characters		
Postal Code	22381		
	5 / 250 characters		
Town	Lund		
	4 / 250 characters		
Website	www.skane.se		
	12 / 100 characters		

Role of the associated organisation in this project:

Region Skåne exists to ensure that the residents of Skåne are healthy and believe in the future. Through collaboration and care across the board, we create the best possible conditions for a healthy life in Skåne – within business, public transport, culture, health and medical care. Together, we make life possible.

316 / 1,000 characters

2.3 Associated Organisation Details - AO 7

Associated organisation name and type:

Organisation in original language	Lääne-Tallinna Keskhaigla	25 / 250 characters
Organisation in English	West Tallinn Central Hospital	30 / 250 characters
Department in original language	Lääne-Tallinna Keskhaigla	25 / 250 characters
Department in English	West Tallinn Central Hospital	30 / 250 characters
Legal status	a) Public	
Type of associated organisation	Hospital and medical centre	Hospital, medical centre, other health care centres and facilities, etc.

Associated organisation location and website:

Address	Põhja-Tallinna linnaosa, Paldiski mnt 68	40 / 250 characters	Country	Estonia
Postal Code	10617	6 / 250 characters		
Town	Tallinn	7 / 250 characters		
Website	www.keskaigla.ee	17 / 100 characters		

Role of the associated organisation in this project:

West Tallinn Central Hospital comprises 11 clinics with state of the art equipment. Our strength is the multifaceted nature of the clinical departments and specialists and the polyclinic unit. We are proud to be among the top European health care providers in a number of specialties. Our goal is to be a patient-centred and caring hospital where teamwork comes first and the work does not proceed only from medical knowledge but also empathy toward patients.

459 / 1,000 characters

3. Relevance

3.1 Context and challenge

At present, countries in the Baltic Sea region mostly take decisions and act in isolation during crises, so there is a lack of clarity and vision at the regional level, which is a challenge for effective crisis management and solution on a larger scale. The rapidity of crises promotes unreasoned decisions, which in the case of an inefficient result leads to wasted resources (hence the generation of environmental pollution), financial losses and lost time, which is a crucial factor in times of crisis. Moreover, the Baltic Sea region has proven to be dependent on international supplies, thus failing to respond locally to new challenges. It is necessary to promote strength, clarity, and independence of the region in crisis situations - without relying on international supply chains (supply of PPE) and acting in a timely, thoughtful, and coordinated manner (regional crisis management). Due to the lack of a common policy and the fragmentation of decisions, it is practically impossible to respond in a timely and effective manner to the needs arising from the crisis, for example, the sudden demand for large quantities of personal protective equipment (PPE). Therefore, there is a need for a policy for coordinated crisis management involving practical developments locally - including local SMEs' involvement in the development, production, testing, supply, and disposal solutions of PPE. The challenge of the project is to establish synergies of knowledge and experience between stakeholders (rescue services, scientists, manufacturers, civilians, and public administrations from the region), which is crucial for the effective development and implementation of personal protective equipment for use in high-risk areas.

1,732 / 2,000 characters

3.2 Transnational value of the project

Countries covered in the partnership (Sweden, Finland, Estonia, Latvia, and Poland) share many challenges in the aspects of crisis management and particularly personal protective equipment (PPE) circulation. Crises (such as the Covid-19 pandemic) show that all countries may face a shortage of PPE due to their dependence on external supplies and their delivery time accordingly, for example, due to the rapid development of events. This time is marked by different policies locally and, in general, a lack of proactive measures in crisis situations, as most problems are only addressed when the problem has escalated. Moreover, if the policies/activities are not coordinated beyond borders, problems can spread to neighbouring regions, affecting more countries and civilians. Countries involved have the potential to tackle challenges more successfully by working together due to common geography (the Baltic Sea basin and climate similarities), culture and historical characteristics. It serves as a basis for cooperation of regional partners, associated policy authorities and stakeholders by exchanging and transferring experiences and knowledge and enhancing territorial capacities. Transnational cooperation will serve for gaining a variety of local crisis experiences from the countries involved, including on the supply, efficiency, and shortcuts of PPE. The competent actors involved will provide input into the new solution by sharing experiences about the overall results, failures, and errors of crisis management at the local level. Exchange, collection, analysis, and adaption of experiences and good practices of local policies will lead to a new and improved pattern of action – transnational crisis management. Moreover, the transnational collaboration will help build trust across borders and reduce regional disparities, will facilitate the region to become stronger un self-sufficing in crises - becoming not dependent on external suppliers for PPE.

1,969 / 2,000 characters

3.3 Target groups

Target group	Sector and geographical coverage	Its role and needs
<p>National public authority</p>	<p>Rescue boards and departments. Government agencies maintaining a secure environment, anticipating threats and helping people in the time of crisis. Its mission is to prevent accidents, save lives, property, and the environment. The organizations provide a large number of services, including emergency response, firefighting, oil pollution removal, explosive ordnance disposal, chemical and radiation hazard elimination, water rescue etc. Within project it will be all countries participating.</p> <p style="text-align: right;">493 / 500 characters</p>	<p>These organizations will be included in the project to address their needs and tackle experience within crisis. The crisis situation has shown that rescue services need specific expertise. The aim and objective of the project is to combine this knowledge - including the experience of the services and the experience of specific areas of research organizations.</p> <p style="text-align: right;">361 / 1,000 characters</p>
<p>Higher education and research institutions</p>	<p>Higher education and research institutions are involved in crisis management as advisory institutions, mainly in the areas of research, materials science, testing and sustainability. However researchers may lack experience in understanding crisis management and modeling. The project will bring knowledge synergies. Scientific institutions from Finland, Estonia, Latvia and Poland are participating in the project.</p> <p style="text-align: right;">414 / 500 characters</p>	<p>Project activities will bring extended innovation building capacity to higher education and research institutions. Research institutions will contribute to research and testing. And will gain confidence in the involvement of research in practice.</p> <p style="text-align: right;">318 / 1,000 characters</p>
<p>Hospital and medical centre</p>	<p>The wide range of departments of the hospital and medical centres is one of the first to deal with additional risks in daily work during crisis situations - saving lives, giving medical care to civilians, and dealing with new hazards in disease control (new treatments, testing, and implementation). Within this project hospital and medical centres from involved countries(at least two) will participate in the solution model piloting and assessment.</p> <p style="text-align: right;">450 / 500 characters</p>	<p>The weaknesses in the region's overall healthcare strategies in crises are observed, including the ability to protect this vulnerable part of the population (appropriate PPE at the right time and place), whose work suspension threatens the entire healthcare system and thus deepens crises. Hospital and medical centres alone have limited strategic and research capacities, but they have a constant need and interest in new, rational crises management and effective PPE solutions. This will be ensured by the project's outcomes. At the same time, they will bring experience-based viewpoints and evaluation of solutions thus helping tackle the identified challenges.</p> <p style="text-align: right;">665 / 1,000 characters</p>
<p>Small and medium enterprise</p>	<p>Manufacturers and companies in the region with sufficient capacities and a serious interest in the development, production, supply, and afterwards appropriate disposal of high-quality and competitive products for use in crisis situations - various PPE for special purposes. The project will involve entrepreneurs from countries participating.</p> <p style="text-align: right;">342 / 500 characters</p>	<p>Companies are in lack of appropriate level of scientific knowledge to effectively compete in the market and achieve their economic goals. It includes extensive knowledge of product compliance (standard requirements), testing, and certification, as well as regional strategic decisions regarding the supply of PPE. The project aims to promote cooperation in the exchange of knowledge and experience between entrepreneurs and research institutions. It is planned to address business incubators and provide innovative products.</p> <p style="text-align: right;">524 / 1,000 characters</p>

3.4 Project objective

Your project objective should contribute to:

Resilient economies and communities

The exchange of experiences and best practices already introduced in participating countries will contribute to the project solutions for growing the region's resilience when responses to new external disturbances (different crises) are needed. As the result, the whole region and each of the target groups will be more resilient by the ability of monitoring, avoiding, withstand and more quickly recover from the unwanted external impacts. Moreover, it will let review, redesign, and adapt smart specialisation approaches. Awareness of the strongest points in research, innovation, policies and business will contribute to the base of development strong strategies and as a result – a more effective comparative advantage of the Baltic Sea region. Improved connections, cooperation and coordinated actions of multiple stakeholders is a key to achieving a higher level of self-sufficiency in the region by increasing the ability to produce critical goods in the region. Also, for moving towards sustainable consumption and reducing pollution, increasing innovativeness, contributing to the common identity of the region, and sustaining its economy in a long term. The key to tackling the identified challenges is the synergies of knowledge. Gathering forces and purposeful work together will result in the provision of new solutions and thus versatile options for stakeholders to meet their needs. It includes the introduction of new strategies or updates of existing ones for institutions which have limited capacities in building strategies based on extensive experience and science. It also increases the knowledge of entrepreneurs on the latest scientific findings, helping to increase competitiveness through the introduction of innovative solutions. Research and higher education institutions will gain a new level of understanding of crisis management and innovation building through the studies of different experiences and cooperation of actors.

1,955 / 2,000 characters

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

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

Yes No

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

PA Secure

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

Action 1: Build capacities for prevention, preparedness, response and recovery in emergency and crisis management. PA Secure contributes to all 3 objectives of the EUSBSR and to the sub-objectives: "Climate change adaptation, risk prevention and management"; "Better cooperation in fighting cross-border crime" and "Connecting people in the region". And so does the project. The main objective is connecting the regions to be supportive in the crisis situation, share experiences, tackle sustainable development goals which include joint crisis management, sustainable waste management and making partnerships to mobilize and share knowledge. The strategic action has a holistic, multi-level and all-hazard approach with a focus on capacity building related to the whole civil protection cycle: prevention, preparedness, response and recovery. The aim is to build resilient societies and to develop and strengthen integrated approaches to climate change adaptation and disaster risk reduction. Namely, project will contribute to make such approach for crisis situations when respiratory hazards can be caused. Within focus to the sustainable and local production and joint collaboration added value from participating in global and European policy frameworks and cooperation mechanisms will be maximized.

1,305 / 1,500 characters

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

All three EUSBSR objectives will be covered. Within PA Secure several PAs will be contributed into the project. As the practical part of the solution is mainly innovative developments PA Innovation and particularly Action 1: Challenge-driven innovation and Action 3: Co-creative innovation will be contributed. Transnational platform which will be tackled within the project will connect Baltic Sea region innovation ecosystem and will have access to public, research and business groups, to engage them in the collaborative process of co-creation to bridge the existing knowledge, skills and market access gaps for SMEs for crisis situations solutions. PA Health - project also aims to improve the health and well-being of people in the Baltic Sea region, therefore increasing lifespan and prosperity in the region. PA Hazards Action 1: Prevent pollution and reduce the use of hazardous substances. It is no secret that respiratory protective equipment used by the civilian population poses a high risk of pollution. Furthermore, not only in the sense that the widely available PPE of respiratory systems are synthetic composites, but also in the absence of a policy for the collection and disposal of such specific waste: face masks and respirators thrown away in municipal waste pollute the environment, they affect birds (by trapping their feet) and enter nature. Project aims to develop and implement sustainable PPE to reduce the use and prevent emissions of synthetic materials to the region.

1,300 / 1,500 characters

3.6 Other political and strategic background of the project

Strategic documents

"Joint Position on Enhancing Cooperation in Civil Protection Area" (2017/2020) https://cbss.org/wp-content/uploads/2021/03/revised-joint-position-on-enhanced-cooperation_final-text.pdf

Regional collaboration and trust is main aspect of the project. All activities suit well with the stated cooperation and civil protection plan in the document.

344 / 500 characters

United Nations Department of Global Communications "Sustainable Development Goals" <https://sdgs.un.org/goals>

Project refers to all SDG for peace and prosperity for people and the planet, now and into the future, especially to goals - 3: Good Health and Well-being, 4: Quality Education, 5: Gender Equality, 8: Decent Work and Economic Growth, 9: Industry, Innovation and Infrastructure, 12: Responsible Consumption and Production, 13: Climate Action, 17: Partnerships to achieve the Goal

487 / 500 characters

" Roadmap of the EU strategy for sustainable textiles"(2020) Ref. Ares(2021)67453 - 05/01/2021 https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/12822-EU-strategy-for-sustainable-textiles_en

Document identifies textiles as a priority sector in which the EU can pave the way towards a carbon neutral, circular economy, and announced an EU Strategy on textiles. Project deals with textiles as priority - make it towards to the environment friendly and sustainable production.

497 / 500 characters

3.7 Seed money support

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

Yes No

3.8 Other projects: use of results and planned cooperation

Full name of the project	Funding Source	Use of the project outcomes and/or planned cooperation
Smart and Safe Work Wear Clothing <small>33 / 200 characters</small>	Interreg Baltic Sea Region Project: SWW Index No.: R1.002 Project No.: #R006 <small>79 / 200 characters</small>	The partner network consisted of partners from Estonia, Finland, Latvia, Lithuania and Poland. The project involved higher education and research institutions, SMEs, and associated partners - industry organizations. The implementation of the project provided experience of regional cooperation, the ability to coordinate cooperation between different types of institutions and organizations, as well as an understanding of the needs of the region. INTERREG BSR Smart and Safe Work Wear: https://tki.centria.fi/hanke/sww-smart-and-safe-work-wear/1255 <small>550 / 1,000 characters</small>
Development and improvement of face mask / respirator <small>53 / 200 characters</small>	Riga Technical University <small>25 / 200 characters</small>	The ergonomic face mask created as a result of the project (design sample EUIPO# 007780150-0001) can serve as a basis for innovative bio-based developments and incorporation into the practical part of the solution. https://euiipo.europa.eu/eSearch/#details/designs/007780150-0001 <small>279 / 1,000 characters</small>

Full name of the project	Funding Source	Use of the project outcomes and/or planned cooperation
<p>Establishment of an accredited testing laboratory for personal protective equipment in Latvia</p> <p>93 / 200 characters</p>	<p>State of Latvia</p> <p>15 / 200 characters</p>	<p>To solve research and testing tasks, multifunctional research laboratories have been established with a research infrastructure that provides research and product testing activities at various levels of technology readiness. The result of this project will serve as an important player of the implementation of the practical part.</p> <p>330 / 1,000 characters</p>
<p>BIOPROT</p> <p>7 / 200 characters</p>	<p>Business Finland</p> <p>16 / 200 characters</p>	<p>The BIOPROT project develops new, sustainable, and safe material solutions that can be utilized, for example, in the fight against infections. The research will focus on respiratory protective equipment and surgical mouth protectors, as well as reusable protective equipment for industrial use. The project combines three innovative technologies: bio-based materials, natural-based antiviral solutions, and digitalization. The aim is to achieve a competitive advantage over other products on the market with organic and virus-killing components added to materials. The purpose of the BIOPROT project is to create an internationally competitive business in Finland. The project, which is now starting, is based on three COVID19 Co-Creation projects funded by Business Finland, which combine the best innovations and the best know-how into a single entity. BIOPROT consortium consists of 15 research and manufacturing organizations.</p> <p>930 / 1,000 characters</p>

3.10 Horizontal principles

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

4. Management

Allocated budget

10%

4.1 Project management

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

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

The lead partner and all project partners will comply with the rules for the project management as described in the Program Manual and will ensure professional, efficient and transparent project management. For strategic project management project partners will form project Steering Committee, representing all partner countries, with the main functions of analysing data and controlling whether the status of project activities and financing lead to reaching project objectives.

480 / 500 characters

4.2 Project financial management

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

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

Lead partner administrative manager will handle project financial management. Each project partner will assign a financial manager that will manage budget and planned expenses according to project budget and time schedule. The main goals associated with this task are observing the program's financial conditions, ensuring periodic financial reports, lead partner and joint program secretariat and provision of payments to project partners to handle MA/JS project reviews and payment issues.

491 / 500 characters

4.3 Input to Programme communication

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

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

Project will comply with the program's publicity and visibility requirements. Lead partner's communications department will provide guidance on the project communication. Communications plan will be developed during the first project semester, specifying communication channels and messages for each stakeholder group at each project partner country. All project stakeholders will be involved and informed on project path and results.

435 / 500 characters

4.4 Cooperation criteria

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

Cooperation criteria

Joint Development

Joint Implementation

Joint Staffing

Joint Financing

5. Work Plan

Number	Work Package Name						
1	WP1 Preparing solutions						
<table border="1"> <thead> <tr> <th>Number</th> <th>Group of Activity Name</th> </tr> </thead> <tbody> <tr> <td>1.1</td> <td>Crisis management policy plan</td> </tr> <tr> <td>1.2</td> <td>PPE testing and local production enhancement</td> </tr> </tbody> </table>		Number	Group of Activity Name	1.1	Crisis management policy plan	1.2	PPE testing and local production enhancement
Number	Group of Activity Name						
1.1	Crisis management policy plan						
1.2	PPE testing and local production enhancement						
2	WP2 Piloting and evaluating solutions						
<table border="1"> <thead> <tr> <th>Number</th> <th>Group of Activity Name</th> </tr> </thead> <tbody> <tr> <td>2.1</td> <td>PPE testing and enhancement</td> </tr> <tr> <td>2.2</td> <td>Solution model piloting and assessment</td> </tr> </tbody> </table>		Number	Group of Activity Name	2.1	PPE testing and enhancement	2.2	Solution model piloting and assessment
Number	Group of Activity Name						
2.1	PPE testing and enhancement						
2.2	Solution model piloting and assessment						
3	WP3 Transferring solutions						
<table border="1"> <thead> <tr> <th>Number</th> <th>Group of Activity Name</th> </tr> </thead> <tbody> <tr> <td>3.1</td> <td>Transfer whole solution</td> </tr> </tbody> </table>		Number	Group of Activity Name	3.1	Transfer whole solution		
Number	Group of Activity Name						
3.1	Transfer whole solution						

Work plan overview

	Period: 1	2	3	4	5	6	Leader
WP.1: WP1 Preparing solutions							PP2
A.1.1: Crisis management policy plan							PP2
D.1.1: Policy module			D				PP2
A.1.2: PPE testing and local production enhancement							PP1
D.1.2: PPE specifications			D				PP1
WP.2: WP2 Piloting and evaluating solutions							PP4
A.2.1: PPE testing and enhancement							PP3
D.2.1: Enhanced PPE specification					D		PP3
A.2.2: Solution model piloting and assessment							PP2
D.2.2: Solution policy with practical part					D		PP2
WP.3: WP3 Transferring solutions							PP1
A.3.1: Transfer whole solution							PP1
O.3.1: Solution - crisis management policy with the practical part					O		PP1

Outputs and deliverables overview

Code	Title	Description	Contribution to the output	Output/ deliverable contains an investment
D 1.1	Policy module	As the solution is crisis management solution with practical part - this deliverable serves as policy part. Purpose of this deliverable is to tackle all aspects of the crisis management solution.	O1 Solution - crisis management policy with the practical part.	
D 1.2	PPE specifications	Prepare specifications for PPE, testing and usage guidelines. As PPE specifications are established by regulation and testing methods in relevant standards, we will base on those. A shortened and/or fast track procedures of testing and certification for emergency response purposes only will be established based on the joined experience of partners from involved countries with fully established testing and certification facilities and those that lack thereof. To collect input from target groups to prepare the solutions is planned within: + Survey among the target groups in electronic version after a webinar concerning the project objectives. + Literature search. + Direct contact with target groups, emails and official requests. The planned activities lead to the development of a deliverable by analyzing collected information and addressing key challenges based on the experiences from covid-19 pandemics. Pilot scenarios for WP2 will be drafted. Transregional and regional specifics will be included in each of the survey parts, common challenges will be addressed consistently within the project, and region-specific ones will be approached locally by each country individually.	O1 Solution - crisis management policy with the practical part.	
D 2.1	Enhanced PPE specification	Test results of the above-mentioned parameters will be analyzed to identify the key elements of testing procedure that must be checked before the products could reach the market in the emergency. The EU standards will be the basis for those testing procedures. The scenarios related to different crisis situations will be developed and different sets of crucial evaluation criteria will be defined.	O1 Solution - crisis management policy with the practical part.	
D 2.2	Solution policy with practical part	Solution model enhancement, including novel PPE solutions and its testing. Transregional and regional specifics will be included in each of the solution parts, common challenges will be addressed consistently within the project, and region-specific ones will be approached locally by each country individually.	O1 Solution - crisis management policy with the practical part.	
O 3.1	Solution - crisis management policy with the practical part	The output of the project is a solution - a policy for solving crisis situations with a practical part - for the local development, testing and immediate implementation of respiratory personal protective equipment in crisis management. As a result of the project, all partners will have provided input for experience in crisis situations, so the transnational value is obvious. Already in the pre-research phase of the project, it was found out that each country in the region has different experience in dealing with crisis situations. The solution created will tackle together best practices, knowledge and experience.		

Work package 1

5.1 WP1 Preparing solutions

5.2 Aim of the work package

The aim of this work package is to prepare solutions to help address the identified challenge. You can either develop entirely new solutions or adapt existing solutions to the needs of your target groups. Prepare your solutions in a way that you can pilot them in Work Package 2. Consider how you involve your target groups in preparation of the solutions.

Organise your activities in up to five groups of activities to present the actions you plan to implement. Describe the deliverables and outputs as well as present the timeline.

5.3 Work package leader

Work package leader 1

Work package leader 2

5.4 Work package budget

Work package budget

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	<p>National public authority</p> <p>Rescue boards and departments. Government agencies maintaining a secure environment, anticipating threats and helping people in the time of crisis. Its mission is to prevent accidents, save lives, property, and the environment. The organizations provide a large number of services, including emergency response, firefighting, oil pollution removal, explosive ordnance disposal, chemical and radiation hazard elimination, water rescue etc. Within project it will be all countries participating.</p> <p>493 / 500 characters</p>	<p>The Target group will be directly involved in the implementation of the activity. Already in the pre-research phase, this actor has invested knowledge, allowed to understand the need for the project, thus offering information for the creation of the project. As a result of this activity, information will be collected, which will allow gaining experience in transnational action. Also will be involved in the PPE practical testing.</p> <p>432 / 1,000 characters</p>
2	<p>Higher education and research institution</p> <p>Higher education and research institutions are involved in crisis management as advisory institutions, mainly in the areas of research, materials science, testing and sustainability. However researchers may lack experience in understanding crisis management and modeling. The project will bring knowledge synergies. Scientific institutions from Finland, Estonia, Latvia and Poland are participating in the project.</p> <p>414 / 500 characters</p>	<p>Higher education and research institutions are involved in tackling major crisis challenges. The experience and expertise required for national players is gained directly from research institutions. The implementation of this activity will allow to gain transnational experience both in the full understanding of crisis solutions and in the provision of support.</p> <p>362 / 1,000 characters</p>
3	<p>Hospital and medical centre</p> <p>The wide range of departments of the hospital and medical centres is one of the first to deal with additional risks in daily work during crisis situations - saving lives, giving medical care to civilians, and dealing with new hazards in disease control (new treatments, testing, and implementation). Within this project hospital and medical centres from involved countries(at least two) will participate in the solution model piloting and assessment.</p> <p>450 / 500 characters</p>	<p>Hospitals and medical centers are involved in crisis management, but often lack the expertise and capacity to provide local solutions. As a result of this activity, information on possible support and solution will be collected.</p> <p>228 / 1,000 characters</p>
4	<p>Small and medium enterprise</p> <p>Manufacturers and companies in the region with sufficient capacities and a serious interest in the development, production, supply, and afterwards appropriate disposal of high-quality and competitive products for use in crisis situations - various PPE for special purposes. The project will involve entrepreneurs from countries participating.</p> <p>342 / 500 characters</p>	<p>A situation is already emerging in which hygienic masks are widely available, which may prove potentially dangerous to the individual and the collective (aerosol creation at the site of protection, migration of fibers and particles, etc.) due to poor quality, but cannot be confirmed or ruled out by appropriate test methods. As a result of WP, there will be clear guidelines as to which local innovative SME investment is eligible. Thus supporting not only transnational cooperation but also the local economy and the independence of the region's supply chains.</p> <p>562 / 1,000 characters</p>

5.6 Activities, deliverables, outputs and timeline

No.	Name
1.1	Crisis management policy plan
1.2	PPE testing and local production enhancement

WP 1 Group of activities 1.1

5.6.1 Group of activities leader

Group of activities leader PP 2 - TTK University of Applied Sciences

A 1.1

5.6.2 Title of the group of activities

Crisis management policy plan 29 / 100 characters

5.6.3 Description of the group of activities

Collection and exchange of solutions and experiences of experienced crisis situations (pandemics, fires, etc.) (in relation to PPE and in particular respiratory protection). Tackle together all solutions used for different crisis situations, figure out best solutions, checking out their validity to other countries and find out differences between possibilities through Baltic Sea Region. Comparison of the solutions used with the plans in the Member States. Transnational exchange of experience. This activity will lead to prepared policy plan. 546 / 3,000 characters

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

D 1.1

Title of the deliverable

Policy module 13 / 100 characters

Description of the deliverable

As the solution is crisis management solution with practical part - this deliverable serves as policy part. Purpose of this deliverable is to tackle all aspects of the crisis management solution. 195 / 2,000 characters

Which output does this deliverable contribute to?

O1 Solution - crisis management policy with the practical part. 63 / 100 characters

5.6.6 Timeline

	Period: 1	2	3	4	5	6
WP.1: WP1 Preparing solutions						
A.1.1: Crisis management policy plan						
D.1.1: Policy module						

5.6.7 This deliverable/output contains productive or infrastructure investment

WP 1 Group of activities 1.2

5.6.1 Group of activities leader

Group of activities leader

A 1.2

5.6.2 Title of the group of activities

44 / 100 characters

5.6.3 Description of the group of activities

Development of a PPE testing and local production enhancement plan. Exchanging experiences this activity will tackle together local possibilities and define what is usable in the crisis situation. The rescue board entrusted to the civil administration to deal with crisis situations. The introductory phase of the project is already marked by consultations in this crisis situation, which at the beginning of the pandemic highlighted the lack of a good management system (and also the lack of testing capacity). It was unclear what to do now, when everything was so unusual and practically without local resources. During the preparation of solutions, it is planned to analyze the situation caused by the pandemic crisis and the decisions made locally to solve it.

766 / 3,000 characters

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



D 1.2

Title of the deliverable

18 / 100 characters

Description of the deliverable

Prepare specifications for PPE, testing and usage guidelines.
 As PPE specifications are established by regulation and testing methods in relevant standards, we will base on those.
 A shortened and/or fast track procedures of testing and certification for emergency response purposes only will be established based on the joined experience of partners from involved countries with fully established testing and certification facilities and those that lack thereof.
 To collect input from target groups to prepare the solutions is planned within:
 + Survey among the target groups in electronic version after a webinar concerning the project objectives.
 + Literature search.
 + Direct contact with target groups, emails and official requests.
 The planned activities lead to the development of a deliverable by analyzing collected information and addressing key challenges based on the experiences from covid-19 pandemics.
 Pilot scenarios for WP2 will be drafted.
 Transregional and regional specifics will be included in each of the survey parts, common challenges will be addressed consistently within the project, and region-specific ones will be approached locally by each country individually.

1,193 / 2,000 characters

Which output does this deliverable contribute to?

63 / 100 characters

5.6.6 Timeline

Period: 1 2 3 4 5 6

WP.1: WP1 Preparing solutions

A.1.2: PPE testing and local production enhancement

D.1.2: PPE specifications



5.6.7 This deliverable/output contains productive or infrastructure investment



Work package 2

5.1 WP2 Piloting and evaluating solutions**5.2 Aim of the work package**

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

5.3 Work package leader**Work package leader 1** **Work package leader 2** **5.4 Work package budget****Work package budget** **5.4.1 Number of pilots****Number of pilots**

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	<p>National public authority</p> <p>Rescue boards and departments. Government agencies maintaining a secure environment, anticipating threats and helping people in the time of crisis. Its mission is to prevent accidents, save lives, property, and the environment. The organizations provide a large number of services, including emergency response, firefighting, oil pollution removal, explosive ordnance disposal, chemical and radiation hazard elimination, water rescue etc. Within project it will be all countries participating.</p> <p>493 / 500 characters</p>	<p>At least one pilot test will be performed on this target group. The Target group will be reached as a full member and provider of knowledge, as well as a crisis assessor and primary responder.</p> <p>192 / 1,000 characters</p>
2	<p>Higher education and research institution</p> <p>Higher education and research institutions are involved in crisis management as advisory institutions, mainly in the areas of research, materials science, testing and sustainability. However researchers may lack experience in understanding crisis management and modeling. The project will bring knowledge synergies. Scientific institutions from Finland, Estonia, Latvia and Poland are participating in the project.</p> <p>414 / 500 characters</p>	<p>Collecting and transferring knowledge, as research into new materials is in demand; a research phase useful to the textile and wood chemical industry, practical research into medical devices and protective equipment and the promotion of production. As well as practical crisis management.</p> <p>288 / 1,000 characters</p>
3	<p>Hospital and medical centre</p> <p>The wide range of departments of the hospital and medical centres is one of the first to deal with additional risks in daily work during crisis situations - saving lives, giving medical care to civilians, and dealing with new hazards in disease control (new treatments, testing, and implementation). Within this project hospital and medical centres from involved countries(at least two) will participate in the solution model piloting and assessment.</p> <p>450 / 500 characters</p>	<p>At least one pilot test will be performed on this target group. The Target group will be reached as a full member and provider of knowledge, as well as a crisis assessor and primary responder.</p> <p>192 / 1,000 characters</p>
4	<p>Small and medium enterprise</p> <p>Manufacturers and companies in the region with sufficient capacities and a serious interest in the development, production, supply, and afterwards appropriate disposal of high-quality and competitive products for use in crisis situations - various PPE for special purposes. The project will involve entrepreneurs from countries participating.</p> <p>342 / 500 characters</p>	<p>This actor will have the opportunity to create his own developments in hackathons and innovation platforms to offer as a possible practical implementation of the solution. SMEs will be included and communicated throughout the policy pilot activities.</p> <p>250 / 1,000 characters</p>

5.6 Activities, deliverables, outputs and timeline

No.	Name
2.1	PPE testing and enhancement
2.2	Solution model piloting and assessment

WP 2 Group of activities 2.1

5.6.1 Group of activities leader

Group of activities leader PP 3 - Central Institute for Labour Protection – National Research Institute

A 2.1

5.6.2 Title of the group of activities

PPE testing and enhancement

27 / 100 characters

5.6.3 Description of the group of activities

Making pilot of developed respiratory protective equipment (RPE).
 1. Development of testing methods and RPE assessment criteria enabling the evaluation of RPE taking into account:
 - protective properties and functionality (based on European and international standards),
 - ergonomics, safety and comfort of use (practical performance tests in simulated working conditions e.g., using robotic head and torso, endurance testing devices, response time meters, a system for determination of physiological and physical parameters related to human comfort),
 - durability (PPE aging processes simulation, prolonged use simulation, storage conditions simulation).
 2. Analysis of phenomena occurring in RPE based on the literature data and own experience including CO2 accumulation, O2 concentration reduction, microorganisms' growth, temperature and relative humidity fluctuations under the facepiece.
 3. Development of database of experience used during the development of new PPE (for manufacturers) and principles of safe use and storage (for end-users).

1,049 / 3,000 characters

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



D 2.1

Title of the deliverable

Enhanced PPE specification

26 / 100 characters

Description of the deliverable

Test results of the above-mentioned parameters will be analyzed to identify the key elements of testing procedure that must be checked before the products could reach the market in the emergency.
 The EU standards will be the basis for those testing procedures. The scenarios related to different crisis situations will be developed and different sets of crucial evaluation criteria will be defined.

399 / 2,000 characters

Which output does this deliverable contribute to?

O1 Solution - crisis management policy with the practical part.

63 / 100 characters

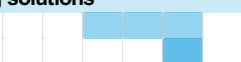
5.6.6 Timeline

Period: 1 2 3 4 5 6

WP.2: WP2 Piloting and evaluating solutions

A.2.1: PPE testing and enhancement

D.2.1: Enhanced PPE specification



5.6.7 This deliverable/output contains productive or infrastructure investment



WP 2 Group of activities 2.2

5.6.1 Group of activities leader

Group of activities leader PP 2 - TTK University of Applied Sciences

A 2.2

5.6.2 Title of the group of activities

Solution model piloting and assessment

38 / 100 characters

5.6.3 Description of the group of activities

The policy solution developed will be piloted and tested, then adapted. In addition to these activities, locally produced, innovative respiratory protective equipment will be developed. On-demand testing has been introduced and the issue of sustainability has been raised, which also affects the problem of the amount of waste and, consequently, the cleanliness of the environment - specifically also the pollution of the Baltic Sea. To implement all testing equipment needed is available for the research. Testing laboratory equipment for PPE testing and validation is obtained with the main research to improve research capabilities and enlarge competitiveness. The main equipment includes: equipment for filtering half mask testing suitable for testing Respiratory protective devices - Filtering half masks to protect against particles in compliance with EN 149:2001+A1:2009; equipment for medical mask testing according EN 14683; other material testing instrument, ergonomic means etc. All equipment is not listed. This list provides an insight into the possibilities, but may be supplemented by equipment combustion tests, comfort assessment tests and other equipment that ensures PPE compliance and ergonomics. Solution with transnational elements, approbated within PPE application process.

1,301 / 3,000 characters

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



D 2.2

Title of the deliverable

Solution policy with practical part

35 / 100 characters

Description of the deliverable

Solution model enhancement, including novel PPE solutions and its testing. Transregional and regional specifics will be included in each of the solution parts, common challenges will be addressed consistently within the project, and region-specific ones will be approached locally by each country individually.

310 / 2,000 characters

Which output does this deliverable contribute to?

O1 Solution - crisis management policy with the practical part.

63 / 100 characters

5.6.6 Timeline

Period: 1 2 3 4 5 6

WP.2: WP2 Piloting and evaluating solutions

A.2.2: Solution model piloting and assessment

D.2.2: Solution policy with practical part

5.6.7 This deliverable/output contains productive or infrastructure investment



Work package 3

5.1 WP3 Transferring solutions

5.2 Aim of the work package

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

5.3 Work package leader

Work package leader 1

PP 1 - Riga Technical University

Work package leader 2

PP 2 - TTK University of Applied Sciences

5.4 Work package budget

Work package budget

25%

5.5 Target groups

	Target group	How do you plan to reach out to and engage the target group?
1	<p>National public authority</p> <p>Rescue boards and departments. Government agencies maintaining a secure environment, anticipating threats and helping people in the time of crisis. Its mission is to prevent accidents, save lives, property, and the environment. The organizations provide a large number of services, including emergency response, firefighting, oil pollution removal, explosive ordnance disposal, chemical and radiation hazard elimination, water rescue etc. Within project it will be all countries participating.</p> <p>493 / 500 characters</p>	<p>Will be involved in transferring the solution.</p> <p>46 / 1,000 characters</p>
2	<p>Higher education and research institution</p> <p>Higher education and research institutions are involved in crisis management as advisory institutions, mainly in the areas of research, materials science, testing and sustainability. However researchers may lack experience in understanding crisis management and modeling. The project will bring knowledge synergies. Scientific institutions from Finland, Estonia, Latvia and Poland are participating in the project.</p> <p>414 / 500 characters</p>	<p>Will be involved in transferring the solution.</p> <p>46 / 1,000 characters</p>
3	<p>Hospital and medical centre</p> <p>The wide range of departments of the hospital and medical centres is one of the first to deal with additional risks in daily work during crisis situations - saving lives, giving medical care to civilians, and dealing with new hazards in disease control (new treatments, testing, and implementation). Within this project hospital and medical centres from involved countries(at least two) will participate in the solution model piloting and assessment.</p> <p>450 / 500 characters</p>	<p>Will be involved in transferring the solution.</p> <p>46 / 1,000 characters</p>
4	<p>Small and medium enterprise</p> <p>Manufacturers and companies in the region with sufficient capacities and a serious interest in the development, production, supply, and afterwards appropriate disposal of high-quality and competitive products for use in crisis situations - various PPE for special purposes. The project will involve entrepreneurs from countries participating.</p> <p>342 / 500 characters</p>	<p>RPE elaborated will be involved in the transferring actions.</p> <p>60 / 1,000 characters</p>

5.6 Activities, deliverables, outputs and timeline

No.	Name
3.1	Transfer whole solution

WP 3 Group of activities 3.1

5.6.1 Group of activities leader

Group of activities leader PP 1 - Riga Technical University

A 3.1

5.6.2 Title of the group of activities

Transfer whole solution

23 / 100 characters

5.6.3 Description of the group of activities

The specific objective of the project is to develop an efficient, wearer friendly, and economically justified methodology for the development and production of personal protective equipment to ensure sufficient comfort for medical and high-risk workers. Project activities include both evaluation of the developed prototypes in the laboratory and testing and approbation of prototypes in a real environment to increase the performance of employees. The overall objective of the policy and strategy developed for crisis situations in the event of insufficient or inadequate PPE will serve to achieve this specific objective. The solution is planned to be transferred to at least one medical institution to address a specific need. It is planned to disseminate the event and report it to the general public, thus informing other participants - both business and organizational actors.

882 / 3,000 characters

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

O 3.1

Title of the output

Solution - crisis management policy with the practical part

59 / 100 characters

Description of the output

The output of the project is a solution - a policy for solving crisis situations with a practical part - for the local development, testing and immediate implementation of respiratory personal protective equipment in crisis management. As a result of the project, all partners will have provided input for experience in crisis situations, so the transnational value is obvious. Already in the pre-research phase of the project, it was found out that each country in the region has different experience in dealing with crisis situations. The solution created will tackle together best practices, knowledge and experience.

620 / 3,000 characters

Target groups and uptake of the solution presented in this output

Target groups	How will this target group apply the output in its daily work?
<p>Target group 1</p> <p>National public authority</p> <p>Rescue boards and departments. Government agencies maintaining a secure environment, anticipating threats and helping people in the time of crisis. Its mission is to prevent accidents, save lives, property, and the environment. The organizations provide a large number of services, including emergency response, firefighting, oil pollution removal, explosive ordnance disposal, chemical and radiation hazard elimination, water rescue etc. Within project it will be all countries participating.</p>	<p>The solution can be used in any situation related to the use of respiratory protective equipment. It is expected to be involved in the day-to-day work of rescue services when dealing with a crisis situation for a wide range of civilians.</p> <p style="text-align: right;">237 / 1,000 characters</p>
<p>Target group 2</p> <p>Hospital and medical centre</p> <p>The wide range of departments of the hospital and medical centres is one of the first to deal with additional risks in daily work during crisis situations - saving lives, giving medical care to civilians, and dealing with new hazards in disease control (new treatments, testing, and implementation). Within this project hospital and medical centres from involved countries(at least two) will participate in the solution model piloting and assessment.</p>	<p>The solution is essentially not to interfere in the routine of medical institutions - such as the CDC recommendations, but may serve as a basis for branching out the solution - to introduce new recommendations for situations where existing respiratory protection is inappropriate (eg ergonomic, biobased solutions for long surgeries).</p> <p style="text-align: right;">334 / 1,000 characters</p>

Durability of the output

The project aims to achieve a solution - a policy where all actors involved have a clear and understandable role to play in resolving the crisis, which will not only help crisis management to effectively protect civilians, but also contribute to mitigating the economic downturn (in terms of crisis). Consequently, the solution is planned to be sustainable and viable without a specific financing plan - only the restructuring of funds for internal security purposes.

467 / 1,000 characters

5.6.6 Timeline

	Period: 1	2	3	4	5	6
WP.3: WP3 Transferring solutions						
A.3.1: Transfer whole solution						
O.3.1: Solution - crisis management policy with the practical part						

5.6.7 This deliverable/output contains productive or infrastructure investment

6. Indicators

Indicators

Output indicators				Result indicators		
Output indicators	Total target value in number	Project outputs	Please explain how the solution presented in this output serves the target group(s).	Result indicator	Total target value in number	Please explain how organisations in the target groups within or outside the partnership will take up or upscale each solution.
RCO 84 – Pilot actions developed jointly and implemented in projects	2	N/A	N/A			
RCO 116 – Jointly developed solutions	1	O.3.1: Solution - crisis management policy with the practical part	<p>The project will bring together the fragmented information on regional crisis management approaches and different solutions so far. There will be an understanding and analysis of events and actions in past crises on a local scale, which will allow the development of improved solutions for wider application in the region – thus the upscale. Target groups will contribute to the search for the best solution, as well as implement and test solutions while increasing their knowledge and practical capacity to deal with new crises. Further, the upscale of the solution will allow different target groups in a wider region to meet their needs, for example, to update existing policies and build new strategies, increase the innovativeness and competitiveness, and overall promote self-sufficiency of the whole Baltic Sea region. The solution will make target groups more resilient by the ability to manage unwanted external impacts.</p> <p style="text-align: right; font-size: small;">929 / 1,000 characters</p>	RCR 104 - Solutions taken up or up-scaled by organisations	1	<p>The solution is an opportunity to develop and strengthen strategies for target groups such as the Hospital and the medical centres, which so far had limited capacity to gain such extensive knowledge and experience of best crisis management practices in the region. Now they will have the opportunity to test and implement solutions which are based on research and the exchange of versatile experiences. New strategies and solutions will enhance the work efficiency of these institutions, as well as their own contribution in terms of information exchange and piloting will be invaluable in improving the solution and its potential extension to different cases and scales.</p> <p>Different organizations that need to work with various aspects of crisis management will be targeted in the project to identify, together with the strengthening of regional organizations, the application possibilities, and directions of the solution, as well as development and dissemination aspects. This includes entrepreneurs whose financial goals and competitiveness in crisis situations have been disturbed because of a lack of knowledge and weak innovation capacity. The proposed solution will increase the strength and investment skills of entrepreneurs in developing, producing, and distributing products that are reasonable, cost-effective and ensure the region's independence from global markets.</p> <p>The upscale of this new solution provides for its use in a wide range of organizations where similar solutions are already performed but the updates with the newest and best approaches are needed. At the same time, it is implementable in those organizations that do not have access to such solutions, but there has always been a need. In both cases, the project benefits from exchanging experiences, needs and visions to develop the best solution usable on local and regional scales.</p> <p style="text-align: right; font-size: small;">1,862 / 2,000 characters</p>

Output indicators		Result indicators		
Output indicator	Total target value in number	Result indicator	Total target value in number	Please describe what types of organisations are planned to actively participate in the project. Explain how this participation will increase their institutional capacity. These types of organisations should be in line with the target groups you have defined for your project.
RCO 87 - Organisations cooperating across borders	11	PSR 1 - Organisations with increased institutional capacity due to their participation in cooperation activities across borders		<p>Project partners are Higher education and research institutions from Latvia, Estonia, Poland, and Finland. Associated organizations who will actively participate are National public authorities and Hospital and medical centres from different countries, as well as a Business support organization from Latvia and a large enterprise from Austria.</p> <p>Partners will increase their institutional capacities by gaining a new level of comprehension in crisis management - collecting knowledge and tackling best practices. It will build intellectual capital or knowledge resources improving the ability and the strength of these organizations in achieving operational, economical and research objectives. Cooperation with partners, institutions, and companies from different countries in the development of practical solutions and their piloting will increase the capabilities to realize one of the goals of research institutions - knowledge transfer between research and industry. The increase in research organization institutional capacity for improving performance at different levels will take place through systematic knowledge transfer, new skills, and methodical testing, as well as building approaches in assessment and transfer of the solution. Participation is a contribution to institutions to develop innovation building - identifying the specifics and needs of the region is the basis for the review of smart specialization approaches and developing strong operational strategies in the future.</p>
			12	<p>Other institutions without a formal partnership status will also be involved in the project, particularly for piloting and evaluation, approbation and transferring solutions. These include the various interested and active national health authorities, rescue services and their departments, as well as other authorities involved in crisis management and local manufacturers (SMEs) of personal protective equipment.</p> <p>Participation will not only contribute to the development or adaptation of the solutions but will also enhance the institutional capacity of the parties involved. Their participation and, as a result, increased knowledge resources will facilitate the execution of such institutional plans and actions, especially in crises. The combination of institutions, policies, solutions, and people involved will grow the capacity of organisations to reach their own development goals and the common one – to be able to effectively manage crisis situations and work together to recover quickly without losing the region's independence and economic stability.</p>

1,498 / 1,500 characters

1,064 / 1,500 characters

7. Budget

7.0 Preparation costs

Preparation Costs

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

Yes

Other EU support of preparatory cost

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

No

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

No. & role	Partner name	Partner status	CAT0 - Preparation costs	CAT1 - Staff	CAT2 - Office & administration
1 - LP	Riga Technical University	Active 22/09/2022	18,000.00	520,128.00	78,019.20
2 - PP	TTK University of Applied Sciences	Active 22/09/2022	2,000.00	409,248.00	61,387.20
3 - PP	Central Institute for Labour Protection – National Research Institute	Active 22/09/2022	2,000.00	184,000.00	27,600.00
4 - PP	LAB University of Applied Sciences	Active 22/09/2022	2,000.00	350,000.00	52,500.00
Total			24,000.00	1,463,376.00	219,506.40

No. & role	Partner name	CAT3 - Travel & accommodation	CAT4 - External expertise & services	CAT5 - Equipment	Total partner budget
1 - LP	Riga Technical University	78,019.20	45,000.00	20,000.00	759,166.40
2 - PP	TTK University of Applied	61,387.20	15,000.00	0.00	549,022.40
3 - PP	Central Institute for Labo	27,600.00	3,200.00	1,750.00	246,150.00
4 - PP	LAB University of Applied	52,500.00	25,000.00	25,000.00	507,000.00
Total		219,506.40	88,200.00	46,750.00	2,061,338.80

7.1.1 External expertise and services

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value
2. TTK University of	Specialist support	CAT4-PP2-E-0	Analyze, scientific database access <small>35 / 100 characters</small>	No	1.1 1.2	15,000.00
1. Riga Technical U	Events/meetings	CAT4-PP1-A-0	Event organization and catering <small>31 / 100 characters</small>	No	N/A	15,000.00
1. Riga Technical U	Specialist support	CAT4-PP1-E-0	External specialist on sustainable materials development (travel and accommodation costs) <small>89 / 100 characters</small>	No	1.2	10,000.00
3. Central Institute f	Communication	CAT4-PP3-C-0	promotion, communication, publicity, translations, participation fees <small>69 / 100 characters</small>	No	N/A	2,500.00
3. Central Institute f	Specialist support	CAT4-PP3-E-0	Ten participants are tested - one prototype filtering mask per one participant. <small>79 / 100 characters</small>	No	1.2 2.2	700.00
1. Riga Technical U	Communication	CAT4-PP1-C-0	promotion, communication, publicity, translations, participation fees <small>69 / 100 characters</small>	No	N/A	20,000.00
4. LAB University of	Other	CAT4-PP4-G-0	proofs-of-concepts of biobased PPE <small>34 / 100 characters</small>	No	1.1 1.2	25,000.00
Total						88,200.00

7.1.2 Equipment

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value
3. Central Institute f	Other specific equip	CAT5-PP3-H-0	consumables used for the implementation of content related activities <small>70 / 100 characters</small>	No	1.2 2.2	1,750.00
1. Riga Technical U	Other specific equip	CAT5-PP1-H-0	consumables used for the implementation of content related activities <small>70 / 100 characters</small>	No	1.2 2.2	20,000.00
4. LAB University of	Other specific equip	CAT5-PP4-H-0	consumables used for the implementation of content related activities <small>70 / 100 characters</small>	No	1.1 1.2	25,000.00
Total						46,750.00

7.1.3 Infrastructure and works

Contracting partner	Group of expenditure	Item no.	Specification	Investment item?	Group of activities no.	Planned contract value
Please select	Please select	CAT6-PP--01	<input type="text"/>	Please select		0.00
						0.00
Total						0.00

7.2 Planned project budget per funding source & per partner

No. & role	Partner name	Partner status	Country	Funding source	Co-financing rate [in %]	Total [in EUR]	Programme co-financing [in EUR]	Own contribution [in EUR]	State aid instrument
1-LP	Riga Technical University	Active 22/09/2022	LV	ERDF	80.00 %	759,166.40	607,333.12	151,833.28	For each partner, the State aid relevance and applied aid measure are defined in the State aid section
2-PP	TTK University of Applied Sciences	Active 22/09/2022	EE	ERDF	80.00 %	549,022.40	439,217.92	109,804.48	
3-PP	Central Institute for Labour Protection – National Research Institute	Active 22/09/2022	PL	ERDF	80.00 %	246,150.00	196,920.00	49,230.00	
4-PP	LAB University of Applied Sciences	Active 22/09/2022	FI	ERDF	80.00 %	507,000.00	405,600.00	101,400.00	
Total ERDF						2,061,338.80	1,649,071.04	412,267.76	
Total						2,061,338.80	1,649,071.04	412,267.76	

7.3 Spending plan per reporting period

	EU partners (ERDF)		Total	
	Total	Programme co-financing	Total	Programme co-financing
Preparation costs	24,000.00	19,200.00	24,000.00	19,200.00
Period 1	364,081.40	291,265.12	364,081.40	291,265.12
Period 2	392,281.40	313,825.12	392,281.40	313,825.12
Period 3	340,706.40	272,565.12	340,706.40	272,565.12
Period 4	340,706.40	272,565.12	340,706.40	272,565.12
Period 5	299,781.60	239,825.28	299,781.60	239,825.28
Period 6	299,781.60	239,825.28	299,781.60	239,825.28
Total	2,061,338.80	1,649,071.04	2,061,338.80	1,649,071.04