



S3Chem
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ACTION PLAN LOMBARDY REGION



Regione
Lombardia

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S3Chem – Action plan for the promotion of smart specialisation strategies in the chemistry and bioeconomy sector in Lombardy

General Information:

Project: S3Chem – Smart Chemistry Specialisation Strategies

Partner Organisation: Regione Lombardia

Other organisations involved: Finlombarda S.p.A

Country: Italy

NUTS2 region: Lombardy

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1. Introduction

From 2016 onwards the chemical regions Saxony-Anhalt, Limburg, Catalonia, Asturias, Lombardy, Wallonia and Masovia have cooperated in the Interreg Europe Project S3Chem to strengthen smart specialisation strategies in the chemical and bioeconomy sector. All regions have given special priority to this sector in their Regional Innovation Strategies (RIS) due to the economic importance of the chemical industry.

The RIS provides the basis for the regional innovation funding in the framework of the ERDF. In this context, the S3Chem project has looked at different dimensions for the improvement of these policy instruments: better involvement of regional stakeholders and governance, project generation, funding instruments and evaluation and monitoring. Based on good practices identified in several regions an interregional learning process has been initiated. After three years of intensive exchange of experience, the partners have developed an Action Plan, which describes further concrete actions to improve their policy instruments for the promotion of innovation in the chemical and bioeconomy sector. The Action Plan will ensure the impact and sustainability of project results for the implementation of measures in the ongoing structural funds period 2014-2020.

Thanks to the sharing of experiences among the partner regions during the implementation of S3Chem project, Lombardy Region received relevant input for the improvement of its policy instrument *Regional Innovation Strategy of Lombardy Region 2014-2020 with focus on Green Chemistry and Bioeconomy*.

In particular, some regional actions inspired initiatives in the field of bioeconomy and circular economy: a review of the RIS3 Work Programmes is foreseen in 2019 in order to update and upgrade the document according to the new territorial developments and needs. The direct involvement of the territory is the starting point: a public consultation is planned with the aim to investigate about stakeholders knowledge and interest towards bioeconomy and circular economy; regional Clusters are working at the definition of a Regional Innovation Roadmap on Circular Economy; a Regional Observatory on Circular Economy and Energy Transition have been established.

Moreover a set of initiatives to enhance cooperation between Industry and Research awarding Lombard excellences are planned: a new call "Hubs for Research" (following the successful call "Agreements for Research and Innovation") and a model for the valorisation of ERDF funded projects on the regional Open Innovation Platform.

General Directorate Research, Innovation, University, Export and Internationalisation coordinates and monitors the planned actions with the involvement of the territorial stakeholders.

2. Description of the Regional Action Plan

Policy context:

The Action Plan aims to impact:

- Investment for Growth and Jobs programme;
- Partially other regional development policy instrument.

Name of policy instrument addressed:

Regional Innovation Strategy of Lombardy Region 2014-2020 with focus on Green Chemistry and Bioeconomy

2.1. Action 1 - Improvement of RIS3 through its Eco-Industry (green chemistry and bioeconomy) Work Programme, supporting the setting and the developing of new projects.

In a global context characterized by the increasingly rapid succession of disruptive innovations that touch all areas of economic and social life, Lombardy Region has the opportunity to trace the lines of development for the future of research and innovation in order to respond to global challenges, choosing a distinctive and inclusive approach that places persons and their needs at the centre of all choices.

Research and innovation must not only serve to stimulate growth and economy but can be - and must be - important tools to respond, in a concrete and measurable way, to global challenges, in which megatrends influence people's needs.

Thus, it has therefore become important to link regional policies in Research and Innovation – namely the Smart Specialisation Strategy - to the goals proposed by the “2030 Agenda for Sustainable Development“.

First of all, it was decided to focus on persons and their needs and consequently, to treat social and economic progress and trends no more in relation to industrial sectors, but within 8 ecosystems (nutrition, health and life science, culture and knowledge, connectivity and information, smart mobility and architecture, sustainability, social development and advanced manufacturing). The ecosystems and the linked actions to be developed by the Government (through the involved General Directorates) are included in the “Three years strategic Programme for Research, Innovation and Technological Transfer” (Programma Strategico Triennale per la Ricerca, l'Innovazione e il Trasferimento Tecnologico, in brief PST), which means to be an extension of the RIS3 with a perspective open to the new European programming period (2021-2027).

In practice, at the policy level the development themes touched by the RIS3, in its Work Programmes (in brief WPs) per each Specialisation Area, regarding green chemistry

and bioeconomy will be treated and integrated with the development themes linked to the circular economy.

All regional programming documents (ROP/S3/Strategic Programme) are strictly linked with the circular economy topics, while the ERDF ROP was approved before adoption of the EU Action Plan for circular economy: therefore, the regional programming framework needs to be reoriented in order to help more significantly the change of the local productive system towards circular economy.

During 2019 a team of experts from the Government (DG Research, Innovation, University, Export and Internationalization and DG Environment and Climate) with the support of Finlombarda and the Lombard Technological Clusters has steered an action plan from technological trajectories included in WP (2017-2018 edition) towards technological trajectories and market trends of circular economy.

In the short term, a cross-reading of the S3 Work Programmes towards circular economy (technology push point of view) will be done.

2.1.1. Relevance to the project

In the first part of the project, partners provided an in-depth picture about the involvement of Stakeholders and governance of Regional Innovation Strategies.

Lombardy Region with its almost 10 million inhabitants, an area of 23.844 km² and more than 800.000 SMEs has difficulty in being in touch with companies on the territory and the government is always pursuing new ways to reach more subjects as well as new methods and tools to increase the number of companies to involve in a more direct way by means of a personal consultation.

Starting from the Lombard Research and Innovation Strategy, introducing enabling tools such as Clusters and the Open Innovation Platform, the regional government invested a lot in involving the stakeholders and in actions for improving R&I policies taking into account territorial needs. Despite the great efforts achieved, some actions in support of the governance system are recommended.

According to the expectation from interregional learning, some regional experiences influenced a change in the regional policy instruments - at RIS3 WPs level - as described in the application form.

In order to achieve the proposed policy change a set of improvements is needed and the activities described in the following paragraph have been inspired by the partnership.

- Lead Market Chemistry/BioEconomy (Saxony Anhalt),
- Innovation barometer to investigate companies' behaviour in R&I (Catalonia)
- Observatory on Circular Economy activated in Catalonia
- Lombardy dissemination conference on Circular Economy

2.1.2. Nature of action - Specific activities in support of the implementation of the action

Sub-action 1.1

Public consultation (Survey) on Sustainable Development Strategy with focus on bioeconomy and circular economy, published on the Open Innovation Platform.

As the first step of the path towards policies for sustainability and in particular, circular economy and bioeconomy, is considered to be relevant the involvement of the quadruple helix at the very beginning.

A public consultation can contribute to give a long-term look, to carry out targeted and shared actions, above all built starting from the needs of people and the specificities of the territory.

In the consultation foreseen in the first semester 2019, the themes of the circular economy and of the bioeconomy will be analysed within the theme of "sustainable development" for the Lombardy Region.

The survey will be divided into 3 sections:

1. **Sustainable Development**, in which the main aim is to identify the sentiment, the knowledge of the regional community about the individual and collective needs which the strategy should stress;
2. **Circular Economy**, in addition to the investigation of which area of everyday life (both job environment and private one) citizens believe that the transition to a circular economy model can have an impact, the aim is to stress also the kind of the expected governmental support and the most efficient actions to raise awareness (communication actions, dissemination of information on the circular economy; organize matchmaking meetings between companies, research and technological development centres, and institutions to increase the level of awareness of existing actions in the area);
3. **Bioeconomy**, maintaining the same structure also for this section, specific areas of intervention are proposed that should bring the respondents to make a well-informed selection (e.g. voucher for the use of pilot plants also in other European regions; development of processes based on the concept of biorefinery for the replacement of chemical products, etc.).

Topics such as enabling factors, key players and possible actions addressed to raise awareness are applied for each section.

The processed results of the public consultation will be used in the designing phase of the Position Paper on circular economy of Lombardy Region.

In order to replicate the positive experience gained during the definition of the RIS3, the Position Paper will be shared with the Lombard community, under two relevant principles: inclusiveness and responsible research and innovation (RRI).

Lessons from Interregional Learning within S3Chem Project

The public consultation process in Lombardy region has been inspired by the activities of Asturias for the large consultation process to identify innovation potential in the area of sustainable materials.

IDEPA actually developed an approach where the chemical sector is an important contributor to the circular economy and has integrated all important companies and research entities in this process.

Lombardy is implementing the same approach to focus on circular economy and sustainable development through the involvement of all relevant stakeholders from industry and science.

Sub-action 1.2

Regional innovation roadmap on circular economy

For the implementation of the above-mentioned Circular Economy Action Plan (see pt. 2.1), a combined approach was adopted.

The top-down phase implies the analysis of existing or defining policies both at national and European level. One more step is to align the region's position on the issue of the circular economy with other treated topics which may have tangents with. For the achievement of this initiative a pool of experts was created with representatives of the Government, Finlombarda and Lombard Smart Factory Cluster. Moreover, the Smart Factory Cluster (in brief AFIL) is partner in two European projects (Interreg CircE – European Regions toward Circular Economy; H2020 SCREEN - Synergic Circular Economy across European Regions) and is one of the most active Lombard stakeholders in the Vanguard network.

Great support to the established team will be given by the involvement of the "International Experts Forum" and the Observatory on Circular Economy established by the DG Environment and Climate.

The bottom-up phase is expected to be developed in close contact with local stakeholders, representatives of academia and industry/business and it consists in the following steps:

- identification of Lombard Technology Clusters referents interested in participating (business and academy side contact person);
- set up of the Working Group of Clusters with the aim to present the Tool for mapping (see H2020 project SCREEN - Synergic Circular Economy across European Regions) and comparing existing initiatives / concrete instances in the area, identifying the concerned local targets and the maturity levels of ongoing initiatives;

- integration of the mapping with the results of European projects;
- accurate comparison with the strategic and operational documents of RL.

The results of both phases will generate the position paper of Lombardy Region about circular economy which will be shared with the territorial stakeholders within a dedicated event, but also through extensive public consultation to be published on the regional Open Innovation Platform

Lessons from Interregional Learning within S3Chem Project

This activity has been inspired by the regions Catalonia and Saxony-Anhalt. Both regions have implemented a detailed bottom-up innovation road map analysis to identify innovation topics, which are emerging and which could be funded in the framework of the RIS ERDF funding. The roadmaps have been developed in close cooperation with existing clusters for chemistry and bioeconomy. They contain a detailed description of innovation ideas and of the way to link them to the defined innovation priorities of the regional innovation strategies with focus on chemistry. For the implementation of the roadmap and discussion of results working groups with representatives from industry and science have been created. Based on the defined topics a number of funding applications have been developed, which were finally supported by ERDF. Lombardy region is implementing a similar approach to develop a roadmap for circular economy.

Sub-action 1.3

Regional Observatory on Circular Economy and Energy Transition

Lombardy Region, upon initiative of the DG Environment and Climate, established a regional Observatory on Circular Economy and Energy Transition.

The observatory kicked off in October 2018 with the aim to develop a common path to face the two main challenges characterizing the regional development model in the coming decades: the decarbonisation of the economy and the transition to a circular economy. The working hypothesis is to address the issues of transition with a framework common reference by first sharing some general objectives, then defining areas of study in some sectors or systems particularly relevant for the Lombard territory.

Main purpose of the Observatory activities is to affect the regional strategies (such as the Sustainable Development Strategy, “Three years strategic Programme for Research, Innovation and Technological Transfer” and the RIS3 Work Programmes).

Members of the Observatory are:

- Productive system
- Research system

- Labor Union system
- Regional bodies
- Associations
- Local authorities

The Observatory is based on three bodies:

Chair - The Observatory is chaired by the Regional Ministry for the Environment and Climate who steers the initiative and shares the general strategies contributing to the definition of the regional programming and to the design of further initiatives such as dedicated call for proposals.

Technical Secretariat – it provides technical support to the observatory activities, to the definition of the strategies and to the monitoring of the working groups

Thematic Working Groups (4) – analysis of critical issues and opportunities, elaboration of new guidelines and laws, proposal of funding initiatives, organisation of trainings, dissemination and communication activities and new projects.

Lessons from Interregional Learning within S3Chem Project

During the Lombardy dissemination conference on Circular Economy welcomed the comparison with other regions was both at governmental and territorial level, a high and organized appointment of interregional learning process. The presentations were focused not only on the set policies but also on specific projects developed by the territorial companies.

The regional Observatory on Circular Economy basically aims to individuate challenges (along the expertise of Limburg) for the academia and industry and respectively to reach for opportunities of growth and under collaborative approach.

Nowadays the Observatory became a reference node in Lombardia for at least two General Directorates (DG Research, Innovation, University, Export and Internationalization and DG Environment and Climate) in terms of knowledge and information in circular economy, with the aim of: giving coherence and visibility to the efforts that are being carried out or are carrying within different levels, both public as private; promote exchange and contribute to position Catalonia internationally as a model in this subject. To encourage within the Observatory different Thematic Working Groups based on the territorial relevant initiatives was one of the issue discussed with Catalan partners.

Another relevant insight offshoot from interregional learning is that the Observatory aims also to retrieve accessible international/European information and news about the theme in order to build up collective and shared knowledge. Additionally the results obtained by the Working Groups will constitute the basis of the Lombardia Region positioning about Circular Economy in Europe.

2.1.3 Activities in Phase 2 - Monitoring and indicators:

During the phase 2 of the project, DG Research will monitor the implementation of the three described actions and, after analysing the results coming from the three initiatives, the DG will elaborate the revision of the RIS3 Work Programmes with special focus on the Eco-Industry specialisation Area for the period 2019-2020.

Sub action 1.1

- N. of answers to the survey
- elaboration of the results: statistics

Sub action 1.2

- Gantt of the roadmap
- Number of stakeholder meetings
- Position paper + roadmap

Sub action 1.3

- Number of Observatory meetings
- Number of position papers
- Number of Regional Strategies influenced

2.1.4 Players involved

Organisation	Role
DG Research, Innovation, University, Export and Internationalisation	Main player and coordinator of the described actions. The monitoring activities will be carried out during the second phase.
DG Environment and Climate	Leads and manages the Regional Observatory on Circular Economy and Energy Transition
DG Agriculture	Eco-Industries related topics such as bioeconomy, circular

	economy and sustainable chemistry are transversal areas involving - besides the others - the DG Agriculture, which manages initiatives and call for proposal affecting the focus topics of this action.
<p>Lombard Technological Clusters:</p> <ul style="list-style-type: none"> - Lombard Green Chemistry Association - Lombard Energy & Cleantech Cluster - Lombard Smart Factory Cluster - Agrofood Cluster 	The Clusters are invited to participate in the above mentioned initiatives, acting as intermediate bodies among the regional institutions, the Lombard companies and research centres.

2.1.5. Timeframe

- Public consultation (Survey) on Sustainable Development Strategy with focus on bioeconomy and circular economy, published on the Open Innovation Platform: 1st stage - first semester 2019/ 2nd stage - second semester 2019.
- Regional innovation roadmap on circular economy: July 2019
- Regional Observatory on Circular Economy and Energy Transition: October 2018 – permanent activity

2.1.6. Costs

Staff costs of the different involved players

- Public consultation (Survey) on Sustainable Development Strategy with focus on bioeconomy and circular economy: 2 man/months (about €10.000 for a monthly average salary of €5000)
- Regional innovation roadmap on circular economy: 1,5 man/month (about 7.500/month)
- Regional Observatory on Circular Economy and Energy Transition: 2 man/months per year (about €10.000 for a monthly average salary of €5000)

2.1.7. Funding sources

Own resources

ROP ERDF 2014-2020

2.2 Action 2 - Enhancement of cooperation between Industry and Research awarding Lombard excellences

2.2.1. Relevance to the project

In the course of the interregional learning process and especially during the period dedicated to the analysis about the *project generation process* and *funding instruments* the partnership shared common visions during Interregional Working Groups both in Wallonia and Limburg; it emerged that many barriers and difficulties in the implementation phase of the projects are common to all regional administrations.

Lombardy Region looks with interest at all the successful initiatives experimented in other regions and dealing with the challenges arising from the stakeholders' requests:

- effort to reduce administrative barriers and to simplify the submission and reporting phases, in order to improve the performance of the project generation system;
- definition of a strategy for the valorisation of the project results.

According to this interregional exchange, Lombardy Region took inspiration from Catalonia and Limburg experience in funding pilot R&D projects and from Asturias' dissemination on the regional web site of contents and results of the financed projects.

2.2.2. Nature of action - Specific activities in support of the implementation of the action

The achievement of the second main action is supported by the following sub-actions:

Sub-action 2.1

Promotion and dissemination of R&D projects through the Open Innovation Platform

The ability of research and development projects to generate value and impact on the economy and society requires an efficient and inclusive model of knowledge transfer: it is necessary that the results obtained are known both by "experts" and by civil society.

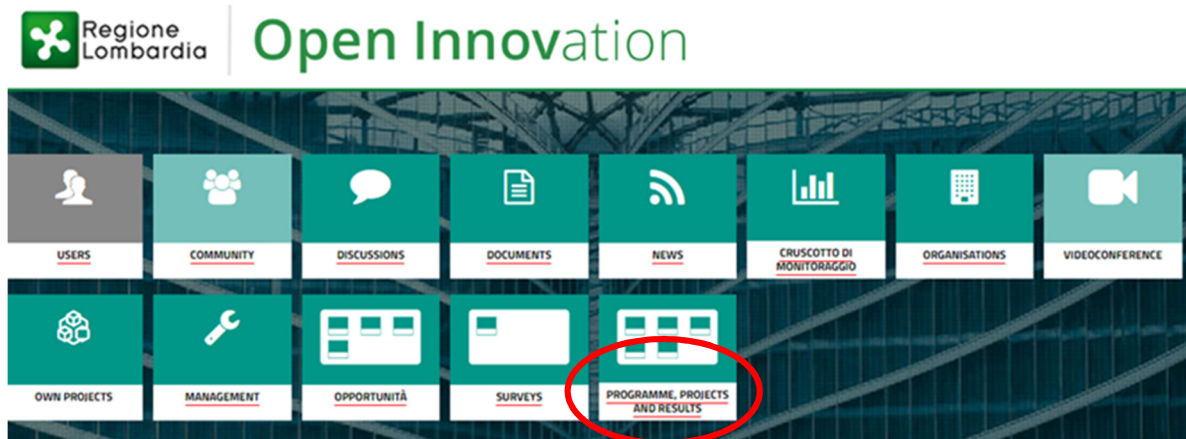
Starting from late 2018 Lombardy Region developed a dedicated section on the Open Innovation Platform to promote projects financed through Lombardy ROP ERDF.

Once the technical tool (plug in) was ready, with the support of Finlombarda staff, the first projects approved under two main calls for proposals have been registered in forms where main data are highlighted:

- Project title
- Initiative/call for proposal

- Company data / contact
- Budget
- Duration
- Description/Results
- Tag/reference to regional main policies (e.g. RIS3)
- Project website

Before being uploaded on the Open Innovation Platform and then visible to users, contents have to be approved and validated by the beneficiaries.



Source: Open Innovation Platform dashboard. Initiatives/projects/results plug-in - www.openinnovation.regione.lombardia.it -

Projects of my own interest

#info_showcaseprog

PROJECTS OF MY OWN INTEREST							PROJECTS CREATED BY ME	ALL PROJECTS	PROJECTS TO VALIDATE	ALL PROJECTS
PROPOSE NEW PROJECT										
Image	Title	Created by	Initiative	Progress Status	Status	End Date				
	AD-COM Advanced Cosmetic Manufacturing	Michela Doldi	LINEA "ACCORDI PER LA RICERCA E L'INNOVAZIONE" 2016 - Call per la presentazione delle domande di progetti di RI & SS e innovazione nelle aree di specializzazione S3	In progress	Published	31/07/2020				
	ECONOVA	Federica Cecchi	LINEA "ACCORDI PER LA RICERCA E L'INNOVAZIONE" 2016 - Call per la presentazione delle domande di progetti di RI & SS e innovazione nelle aree di specializzazione S3	In progress	Published	--				
	I-GAP	Federica Cecchi	LINEA "ACCORDI PER LA RICERCA E L'INNOVAZIONE" 2016 - Call per la presentazione delle domande di progetti di RI & SS e innovazione nelle aree di specializzazione S3	In progress	Published	--				
	Perform WATER 2030	Federica Cecchi	LINEA "ACCORDI PER LA RICERCA E L'INNOVAZIONE" 2016 - Call per la presentazione delle domande di progetti di RI & SS e innovazione nelle aree di specializzazione S3	In progress	Published	--				
	ECOPAVE	Federica Cecchi	LINEA "ACCORDI PER LA RICERCA E L'INNOVAZIONE" 2016 - Call per la presentazione delle domande di progetti di RI & SS e innovazione nelle aree di specializzazione S3	In progress	Published	--				
	IPSLight	Federica Cecchi	LINEA "ACCORDI PER LA RICERCA E L'INNOVAZIONE" 2016 - Call per la presentazione delle domande di progetti di RI & SS e innovazione nelle aree di specializzazione S3	In progress	Published	--				
	Tecnologie Avanzate di Seed Priming per l'Industria Agro-Sementiera - PRIMTECH	Federica Cecchi	Accordo di collaborazione tra Regione Lombardia e fondazione Cariplo per la sperimentazione di iniziative di promozione, sviluppo, valorizzazione del capitale umano della ricerca	Concluded	Published	30/09/2015				
	i-CardioCloud. Bringing cardiovascular virtual reality to clinical	Federica Cecchi	Accordo di collaborazione tra Regione Lombardia e fondazione Cariplo per la sperimentazione di iniziative di promozione, sviluppo, valorizzazione del capitale umano della ricerca	Concluded	Published	31/12/2016				
	Analysis of biofluid Microvesicles by INTERferometric Reflectance imaging sensor (IMINER)	Federica Cecchi	Accordo di collaborazione tra Regione Lombardia e fondazione Cariplo per la sperimentazione di iniziative di promozione, sviluppo, valorizzazione del capitale umano	Concluded	Published	20/10/2015				

Source: *Open Innovation Platform projects list - example*

[DASHBOARD](#) / [PROGETTI DI MIO INTERESSE](#) / [PROGETTI CREATI DA ME](#) / [PROJECTS OF MY OWN INTEREST](#) / [PROJECTS CREATED BY ME](#)

TETA Misuratore di basse portate fluidi (gas, acqua ed altri) con monitoraggio remoto

CURRENT STATE

Draft

Waiting for publication

Published

PUBLISH REQUEST

PUBLISHED

DETAILS
INSIGHTS
TAGS
PARTICIPANTS
COMMUNITIES
ATTACHMENTS
RESULTS
REPORTS

Title *

max 100 chars

Image

Summary *

Progetto di R&S il cui obiettivo è la realizzazione di misuratori della portata dei flussi domestici, sia acqua sia gas, istantaneamente con una specifica ed innovativa tecnologia ad ultrasuoni eliminando così gli organi di movimento che ad oggi governano i dispositivi di misurazione con annessi importanti criticità dettate dall'usura e dal degradamento degli Ingranaggi.

max 500 chars

Leader/Actuator *

Referent *

Progress Status *

End Date *

Source: Open Innovation Platform project data sheet - example

Referring to future regional measures financed by ROP ERDF, it is therefore important that project dissemination is adequately considered already in the initial phase of planning and in the writing of the calls, by placing specific obligations for the beneficiaries, giving authorisation to publish the project content.

Hereafter follows an in depth description of the sections, plug-ins, implemented on the Open Innovation Platform to promote and disseminate R&D projects funded under the umbrella of the ROP ERDF:

Initiatives/programmes: such as calls for proposals promoted and managed by the regional government and / or other local stakeholders with the aim of giving substance to strategic priorities and work programs and therefore subject to financial support; the knowledge of the initiatives is a key element to understand the overall project objective.

Projects: submitted and approved in the frame of a regional initiative; the project factsheet contains a summary about the objectives, the participants, the activity plan and the expected results. This section is further developed thanks to direct contacts with the beneficiaries aiming at going deeper into the projects and its results which could be of interest not only for the experts but also for the citizens.

Publication on the Platform should be authorized by the beneficiary.

Results obtained directly or indirectly thanks to the activities carried out during the projects; the “result” factsheets briefly describe the innovations created thanks to the project or thanks to the skills acquired within the project, giving the idea of the potential impact of the initiative both on the participants and on the territory.

The proposed promotion and dissemination model considers the three types of players that are at the same time actors and recipients: Policy makers, Experts, Interested Citizens:

Policy makers find a response to the need for transparency and citizen involvement, which has become an essential element of their action, alongside the more traditional monitoring of outcomes. The proposed model increases the visibility on the results of the regional initiatives, promotes the culture of responsibility of the public operator and favours a more conscious participation in the definition of regional policies, stimulates synergies between public and private investments for the realization of the measures highlighting the potential of the achievable results.

The **experts**, the beneficiaries of the measures and more generally those who do research and innovation, have the opportunity to transfer knowledge about the projects and results achieved to potential users, citizens and institutions. In the same way, the beneficiaries can have access to information on the competences and the results

obtained both in function of their possible exploitation and to identify partners for new projects.

The "**interested citizens**" have the opportunity to be informed about initiatives, projects, results and possible repercussions on the society and on individual well-being and consequently to develop an opinion that enables them to co-actively participate in the definition of the regional policies.

Lessons from Interregional Learning within S3Chem Project

The new section in the Open Innovation Platform for the description of ERDF funded innovation projects has been inspired by the activities implemented in Asturias. IDEPA has published a detailed list with all information on funded projects in an easily accessible and transparent way. The structure of the OIP uses the same approach as the Asturias example.

A transparent presentation of the funded innovation projects supports the dissemination and communication activities, which are required by the ERDF programme. Furthermore it promotes the Regional Innovation Strategy and its innovation priorities to companies and research entities. The knowledge about ongoing innovation projects helps to build new projects and new partnerships among relevant stakeholders. An open access to innovation activities also increases the liability of innovation policy and the accountability of policy makers and managing authority towards to research environment and public opinion. It helps to identify and discuss promising innovation topics and challenges which still need to be covered.

Sub-action 2.2

Call for proposals "Hubs for Research"

Following on from the recent calls for R&D projects developed by partnership among enterprises and research bodies (namely, Call "R&D for Aggregations" and Call "Agreements for Research and Innovation"), in January 2019 Lombardy Region launched the call "Hubs for Research".

The Call will fund projects focused on citizens' needs related to the 8 cross-sectorial eco-systems identified by Lombardy Region - in line with the 7 Specialisation Areas identified by the regional Smart Specialisation Strategy.

Specifically, the eco-systems dealing with sustainable chemistry are:

- Sustainability (environmental, social and economic)
- Advanced Manufacturing

Here following the main figures of the Call:

Submission period: call open from 15/01/19 to 28/03/19

Planned Budget in OP (€): 70 M€

ROP ERDF 2014–2020 Axis I Action I.1.b.1.3 "Support for collaborative R&D activities for the development of new sustainable technologies, new products and services".

Eligible entities:

- Lombard MSMEs,
- Large companies,
- Research bodies (public or private)

Partnerships formalised in aggregations made by 3 ÷ 8 entities, including, at least:

- 1 MSME
- 1 Research body

Research bodies must spend at least 10% of the total budget each)

Partners must have a headquarter in Lombardy; the participation of a non-Lombard research body is eligible up to 15% of the total investment (art. 70 – EU Reg 1303/2013)

Eligible costs:

- staff
- equipment
- real estate
- patents
- subcontracting
- indirect costs (up to 15% of staff costs)

Minimum investment: 5 M€

Duration: max 30 months

Funding: max 5 M€ per project

Funding rate:

- Small Enterprises: 60%
- Medium Enterprises: 50%
- Large Enterprises and Research bodies: 40%

Lessons from Interregional Learning within S3Chem Project

The call for proposal “Hubs for Research”, published only few months after the call “R&D for Aggregations” and the call “Agreements for Research and Innovation”

(projects funded on these calls are already running) arises from the demand – coming both from companies and research bodies – to have continuous opportunity to access to funds for large cooperative R&D&I projects

This was actually the stronger request arisen from the Lombard S3Chem stakeholder meeting focused on project generation and it is also one of the lesson learnt among the partners.

The NUCLIS Program in Catalonia or the “Stimulus” model in Limburg are structured in order to answer to this request and contain some interesting features that could be imported in future calls, such as the opening to international partners.

On the way to experiment calls open for longer periods (with cut-offs for the submission), and taking in the meantime only the successful elements from the recent initiatives, this last call is thus the first answer to the territory’s needs.

2.2.3 Activities in Phase 2 - Monitoring and indicators:

Sub action 2.1

- Number of initiatives presented on the Open Innovation Platform
- Number of projects published on the Open Innovation Platform

Sub action 2.2

- Number of project applications and projects approved for the topics dealing with sustainable chemistry, green chemistry and bioeconomy within the ecosystems “Sustainability” and “Advanced Manufacturing”;
- Average amount of funding per beneficiary;
- Number of research bodies which apply and receive funding;
- Satisfaction of beneficiaries in relation to submission/negotiation phase and to reporting phase.

2.2.4. Players involved

Organisation	Role
DG Research, Innovation, University, Export and Internationalisation	Main player and coordinator of the described actions. The monitoring activities will be carried out during the second phase.

Finlombarda SpA	Finlombarda SpA – Finanziaria per lo Sviluppo della Lombardia SpA is the in-house financial company of the Lombardy Region. The company supports Lombardy Region in the design and implementation of the initiatives foreseen within the second main action; particularly Finlombarda provides contents for the Open Innovation Platform plugins.
Lombardia Informatica SpA	Lombardia Informatica is the in-house IT company of the Lombardy Region. It operates as link among the Public Administration, ICT market, citizens and companies. It operates the technical management of the Open Innovation Platform

2.2.5. Timeframe

- Promotion and dissemination of the R&D projects on the Open Innovation Platform: along 2019
- Call for proposals “Hubs for Research”: January 2019 - March 2019

2.2.6. Costs

Staff costs of the different involved players

Project valorisation 10 man/months for the elaboration of about 300 projects (about €50.000 for a monthly average salary of €5000)

Call for proposal “Hubs for Research” 5 man/months per year for the management of the call (about €25.000 for a monthly average salary of €5000)

2.2.7. Funding sources

Own resources

ROP ERDF 2014-2020

Thanks to all project partners



SACHSEN-ANHALT

Ministerium für Wirtschaft,
Wissenschaft und Digitalisierung

isw

Institut für Strukturpolitik und Wirtschaftsförderung
gemeinnützige Gesellschaft mbH

Mazovia.
heart of Poland

provincie limburg



Regione
Lombardia



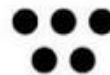
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Generalitat de Catalunya
Government of Catalonia



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