

Adriatic-Ionian Programme INTERREG V-B Transnational 2014-2020

First call for proposals

BIO ECO R.D.I.

Action Plan Description

January 1st 2018 – December 31st 2019

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Project summary

The project proposal focuses on the core idea of the use of biomass from agricultural fisheries and forestry waste and residues with the purpose to foster the green reconversion, multi-functioning, technology innovation, cross-sectoral integration. In this perspective, BIO-Economy aims at developing a Regional Innovation System for the Adriatic-Ionian area based on a structured bio-economy sector through the development of Research Driven Innovation (R.D.I.) strategy at regional and transnational level

BIOECO-RDI will improve the situation by:

- creating a collaborative network among Adriatic regions, enterprises and academia for collaborative research, knowledge transfer and skills development
- supporting the enterprise and cluster in the transition process toward an industrial model with higher level of innovation and international collaboration
- boosting the integration between Green- chemistry and Agri-food cluster according with a circular economy approach
- creating an Adriatic-Ionian bio-based product market
- bridging the gap among the existing wide regional disparities
- activating a mutual learning process among regions with different levels of R.D.I. and bioeconomy business maturity

Project main outputs are:

BIOECO-RDI strategies supporting regions in increasing bio-economy RDI level and cluster maturity

BIOECO-RDI international network as the reference framework to develop innovation process

Thanks to the full implementation of those outputs, it will be possible to integrate in a unique and consistent process, regions living different steps in the process of creation of regional bio-economy.

This process guarantees to the enterprises of the ADRION area to operate in a more advanced and integrated market, and to regional and national policy makers the needed support to develop effective policies based on circular economy approach.

Project relevance

Waste is a world alarming problem and agricultural and forestry account for ca. 30% of the overall waste produced. 90 million tons of food waste are generated yearly in EU, 38% of which came from food industry with a carbon value comparable to that in all of the chemicals and plastics yearly used but with the advantage that it is renewable. In this perspective, its valorization is becoming crucial.

Basic valorization practices (composting, recycling, energy recovery) are known and largely accepted but they are able to recover/convert less than 50% of the waste. Advanced valorization strategies based on green chemical technologies are more appealing from practical, economic and sustainability viewpoints in that these can diversify the generation of multiple products from a single feedstock using bio-technologies.

The bio-based products and biofuels account for ca 57 billion € in EU annual turnover and involve 300,000 jobs. It is forecasted that bio-based share of all chemical sales will rise to 22% by 2020, with an annual growth rate of ca 20%. Adriatic Programme SWOT analysis identifies the following main weaknesses affecting enterprises competitiveness:

Strong influence of traditional business (low and medium technology sectors)

- Majority of enterprises poorly integrated in international networks
- Wide regional disparities
- Limited sectoral/ cross-sectoral specialisations.

Adriatic area is characterized by a relevant unexploited potential of biomass deriving from waste and residues deriving from food, agricultural, fisheries and forestry. The enterprises operating in such sectors to be competitive need to invest in multi-functioning, technology innovation, cross-sector integration. On the other hand, traditional business (chemistry, plastics, etc) needs to invest in reconversion process. In this perspective, BIO-Economy guarantees a research driven innovation process for a new sustainable development model of the area.

Project focus

The project general objective is to develop a Regional Innovation System for the Adriatic-Ionian area based on a structured bio-economy sector through the development of Research Driven Innovation strategy at regional and transnational level. The BIO-economy Research Driven Innovation strategy, developed and implemented in synergy at regional and international level, will be based on green chemical technologies application, research and innovation stakeholder international cooperation, cross-sectoral integration.

The Strategy contributes to the Programme specific objective because it leads the regions of the area toward the creation of a development model which guarantee:

- Creation of a collaborative network among regions, enterprises and academia aimed at develop a common path for improving regional research driven innovation and bio-economy business maturity,
- Transition toward an industrial model with high level on green chemical research and technology application
- Promoting cross-sectors clustering process oriented to the creation of integrated supply chains at regional and international level
- Integration of the innovative enterprises and cluster in Bio-economy international innovation network - Creation of an Adriatic-Ionian area bio-based product market
- Bridging the gap among the existing wide regional disparities
- Activating collaborative research, knowledge transfer, industrial innovation, and skill development in the field of bio-economy

BIOECO expected results are:

- Implementation of regional and international Innovation system based on BIO-economy research driven innovation strategies conceived as two consistent folds of the same process aimed at improving regional R.D.I. level and bio-economy business maturity
- Creation of a permanent bio-economy transnational network composed by regions, enterprises and academia aimed at developing collaborative research, best practices exchange, industrial innovation, and skill development in the field of green chemical technologies development and application, shared productive and commercial industrial strategy, common policy action for favouring bio-based products market uptake
- Activate a process of institutional dialogue with the national and regional public authorities aimed adopting a Bio-economy R.D.I. Regional strategy supporting the RDI bio-economy innovation, cluster integration, industrial technology application through the utilization of structural funds measure, regulatory measure or incentive scheme such as Green Public Procurement aimed at supporting bio-economy R.D.I., business maturity, and bio-based product market up-take.

Partnership and roles

Name of partner	MS	Acronym	Role
Sviluppumbria	IT	SVIL	Coordinator WPM Responsible
Confindustria Umbria	IT	CONF	PP
National institute of Chemistry	SI	NIC	PP T1 Responsible
Ruđer Bošković Institute	HR	RBI	PP T3 Responsible
Region of Western Macedonia	EL	RWM	PP T2 Responsible
Alma Mons Ltd. Novi Sad	RS	ALMA MONS	PP
Chamber of Commerce and Industry, Tirana	AL	CCIT	PP WP C communication

Work Plan

T1 BIO-ECONomy RDI Strategy designing

Period: 01/2018 – 10/2018

Partner in charge: National institute of Chemistry

Overview

The identified areas present different levels of regional RDI and bioeconomy cluster maturity:

- Initial stage: Regions introducing the bioeconomy in the regional planning agenda and creating the policy, socio-economic and R&D landscape for its establishment and operation but with an industrial sector characterized by traditional, high pollutant and low efficiency production process
- Drive to Maturity: Regions where the first competitive bioeconomy products are sold at the market thanks to a good level of RDI and integration among research and enterprises but which still need to improve the cross-sectoral integration, business support infrastructures (incubator, training centre etc.) and services (access to finance), public policy and instruments supporting the bioeconomy full maturity
- Age of mature production: The cluster is able to produce competitive bioeconomy products at an extensive scale but still need of specific institutional actions and market strategy to guarantee the market uptake

In each one of the above listed contexts there are different challenges which the local actors have to tackle according with specific regional strengths and weaknesses in a framework of regional collaboration and international cooperation.

Accordingly, this WP aims at identifying, on the bases of a detailed SWOT analysis, both the BIOECO RDI regional strategies tailored on the features of each area and a BIOECO R.D.I. international strategy, which, in the framework of a coherent triple helix collaboration scenario, identifying specific actions (networks, market strategy, research and innovation common process, inter-regional smart specialization strategy) aimed at creating an ADRION Area bio-based product market This WP designs the regional and international BIOECO R.D.I. strategies which will be implemented in WP Pilot Action.

Each partner carries out SWOT and design the regional strategy. NIC leads the designing of the International Strategy Please describe the project main outputs that will be delivered based on the activities carried out in this work package. For each project main output, a programme output indicator should be chosen. Please note that they need to have the same measurement unit.

Activity T1.1 Regional SWOT Analysis

In order to design an effective BIOECONOMY Research Driven Innovation Strategy the specific features of each area must be analysed in details identifying the strengths, weakness opportunities and threats. The key elements which will be analysed in each region will be: R.D.I. level, biomass sources availability and exploitation potential, cluster structure and integration level, bio-economy research and technology application level, RIS 3 strategy, structural fund measures (ESIF, ERDF IPA, EAFRD, EMFF ESF) .

The works will be carried out in each region by the local partner in strict collaboration with the associated partner involved in the proposal with the aim to engage and commit all the key project target groups from the very activities beginning.

The SWOT will be based mainly on desktop research whose results will be discussed in the framework of specific focus groups activated on territorial level. SVIL and CONF jointly elaborated the SWOT analysis for the Italian context involving respectively public and private Associated Partners and local key actors. All other partners will design the SWOT analysis for their National context with the support of Associated Partners, if any, and local key actors

Period: Jan-2018 – Mar-2018

Partner in charge: NIC

Deliverable T.1.1.1: SWOT Analysis will be in e-format free accessible document. It will be available both in EN and national language **Finalization month:** Mar-2018

Activity T1.2 Regional and international BIO-ECONomy R.D.I work groups

According with SWOT Analysis results BIO-ECONomy R.D.I work groups will be set up both at regional and international level. The regional Work Groups, led by territorial partners, will be composed by associated partners' representative and other key actors representing policy makers, enterprises, research institutes, sectoral experts, potential investors.

The work groups will meet at least 3 times: for present SWOT findings and plan the works, to present and discuss the strategy proposal, to finally discuss and adopt the strategy. In parallel International Work group will be activated in order to coordinate the local strategy in the framework of an Interregional strategy based on the scientific collaboration among the involved Research Institutes, regional development agency and Industrial clusters.

At least three webinars are foreseen involving project partners and selected members of the regional WGs. Each partner (SVIL and CONF jointly) will identify the stakeholders to be involved in their Regional Working Groups and in the International Working Group, participating in the foreseen meetings and webinars.

Period: Mar-2018 – Jul-2018

Partner in charge: NIC

Deliverable

- **T1.2.1:** 6 Regional WGs reports: The report will be in e-format free accessible document. It will report the WG members, the starting points, the matters discussed and the key findings. It will be available both in EN and national language. **Finalization month: Jul-2018**
- **T1.2.2:** 1 International WGs reports: The report will be in e-format free accessible document. It will report the WG members, the starting points, the matters discussed and the key findings. It will be available in EN **Finalization month: Jul-2018**

Activity T1.3 BIO-ECONomy Research Driven Innovation Regional Strategy

According with the work groups results each territorial partner will design and adopt its own BIO-ECONomy Research Driven Innovation Regional Strategy. It is divided in two main sections:

- 1) long term scenario where starting from the actual state of the art is identify a strategic set of interventions aimed at creating the basic conditions for the implementation of a regional Bioeconomy
- 2) short term action plan detailing the regional strategy in terms of specific objectives, concrete actions (technology transfer actions, cross sectoral partnership, business support infrastructures and services, etc) expected results, scheduling, human, technical and economic resources.

The strategy is a guideline leading each region during the pilot action. Its effectiveness is assessed through a peer review process and the main findings are transferred to all the other interest ADRION regions. Each partner (SVIL and CONF jointly) will design its own BIO-ECONomy Research Driven Innovation Regional Strategy

Period: Ago 2018 – Oct 2018

Partner in charge: NIC

Deliverable T1.3.1: BIO-ECONomy Research Driven Innovation Regional Strategy: The strategy will be in e-format free accessible document. It will be divided in 2 main sections (ref action). It will be available both in EN and national language **Finalization month: 10.2018**

Activity T1.4 BIO-ECONomy Research Driven Innovation Regional Strategy

According with the results of the transnational Work Groups a BIO-ECONomy RDI International Strategy will be designed aimed at identifying common fields of collaboration and specific development targets for all the actors involved in the collaboration network.

The strategy will be conceived as a complementary part of the regional strategies with the aim to support the development of regional Bioeconomy RDI policy and bioeconomy cluster maturity in an international scenario. The strategy will be two-folds:

- 1) A first part where the BIO-Economy RDI international collaboration network is described with its objectives, duration, coordination mechanism, participants' role, etc
- 2) A second part where are described in details bi and multi-actors collaboration initiatives (mutual learning actions, institutional partnerships, international productive or commercial agreements, common research actions, bio-based products market uptake plans, etc) which will be developed in the pilot action.

NIC, as WP partner responsible, will be in charge to design the BIO-ECONomy Research Driven Innovation International Strategy. All other partners will support and collaborate with NIC.

Period: Ago 2018 – Oct 2018

Partner in charge: NIC

Deliverable T1.4.1: BIO-ECONomy Research Driven Innovation International Strategy: The strategy will be in e-format free accessible document. It will be divided in 2 main sections (ref action). It will be available in EN. **Finalization month: 10.2018**

T2 BIO-ECONomy R.D.I Strategy application (Pilot Action)

Period: 10/2018 – 12/2019

Partner in charge: Region of Western Macedonia

Overview

The Wp objective is to start up the implementation of the BIO-ECONomy RDI Strategies both at regional and international level.

Considering the strict project timeframe it will be concentrated on a limited set of actions selected according with the readiness and immediate feasibility.

On a regional scale, the local network composed by the partner, associated and other key actors involved in the Work groups are engaged in the activation of the actions/services foreseen in the Strategy.

In parallel, at international level, it will be set up the BIO-Economy RDI international collaboration network and carried out the actions foreseen in the International Strategy.

Regional actions will be developed in strict interaction with the international strategy. Each region will be involved in at least two bi or multi-actors international initiatives.

Along the WP will be activated a peer review action aimed at maintaining due quality standards, improving performance, and promoting mutual learning and expertise exchange. The results of the peer review will be a critical revision of the regional and the international strategies with the identification of the needed corrective interventions, if any.

The emerged findings will be used:

to plan the Bioeconomy R.D.I. Regional strategy roadmap

to fine tune and transfer a BIOECONOMY R.D.I. Model widely applicable on Adrion area scale

This WP runs in parallel with Capacity building and networking intended as an on-going supporting process to develop the competences of the actors involved in the strategies implementation and at the same time to activate a networking actions aimed at setting up a steady tool for mutual learning and opportunity exchange. Each territorial partner will be engaged in the regional and international strategy implementation and in the peer review process.

CONF will coordinate the international strategy RBI will lead the peer review process

Activity T2.1 BIO-ECONomy RDI regional Action Plan

During the activity it will be implemented the Action Plans in the 6 pilot regions differentiated by objective and actions.

- AL, RS (Initial stage) objectives: support industrial conversion process and technology transfer for product and process innovation
- SI, GR, HR (Drive to Maturity): objectives: support clusters enforcement through new services and infrastructures, innovative start-up and spin-off process, cross-sectoral integration
- IT (Age of mature) objectives: boost bio-economy market and support bio-based products market uptake.

In each area the following actions tailored with respective objective are foreseen:

- Technical assistance service: business desk (4h/day, 3 days/week, 15 months, 20 on the spot counselling)
- Matchmaking initiatives for setting up collaboration scheme and partnership: 4 round tables – 10 meetings
- Policy building: territorial work-group with institutional representatives for promoting new regulation or incentive schemes (4 meetings)

Technical informative material for specialized targets will be designed, edited, printed and distribute.

All partners will implement the action of their Regional Strategy in their territories. In Italy CONF will be in charge to follow the process (supported by the LP)

Period: Oct 2018 – Dec 2019

Partner in charge: WMR

- **Deliverable T2.1.1** 6 Technical assistance service results oriented report: The report will be in e-format free accessible document. It will describe the interventions provided and the results obtained. It will be available in EN - **Finalization month: 12/2019**
- **Deliverable T2.1.2** 12 Collaboration scheme and partnership: The deliverable consists in signed agreement among enterprises, enterprises and research services and /or public authorities. It will be available in national language. **Finalization month: 12/2019**
- **Deliverable T2.1.3** 6 Policy measures/incentive scheme: The deliverable consists in policy measures or incentive scheme proposed and agreed with the regional / national relevant institutions. It will be available in national language. **Finalization month: 12/2019**
- **Deliverable T2.1.4:** Technical informative material for specialized targets:

- Brochures for enterprises 500 x country in nat language + 250 in EN produced by CCIT
 - Brochures for policy makers 200 x country in nat language + 100 in EN produced by CCIT
 - Brochures for scientific community 200 x country in nat language + 100 in EN produced by CCIT
- The material will be produced both in EN and National language and an e-version will be freely available on the project web page. **Finalization month: 10/2018**

Activity T2.2 BIO-Economy RDI international Action Plan

Each Regional Action Plan will be conceived in the framework of a strategic transnational cooperation strategy. Within the consortium there are organizations with common interests, RDI fields, productive sectors, etc. During the action will be activated the BIO-Economy RDI international collaboration network.

Furthermore, at least 6 bi or multi-actors collaboration agreements will be activated such as: institutional partnerships, international productive or commercial agreements, common research actions, bio-based products market uptake plans, etc. The agreements could involve different actors acting in the same or different fields and will pave the way for a steady collaboration keeping on running after project end and involving partners outside project network.

The action is managed in strict interaction with networking using the networking platform as a key cooperation tool.

Furthermore, 3 international matchmaking events will be organized on month 15th, 18th, and 21st.

CONF will lead the implementation of the actions at International level; WRM (during project SC), Alma Mons and CCIT will host 1 International Matchmaking event all partners will support CONF in the implementation process, will be engaged in the activation of bi-multi actors agreements and participate in the foreseen events.

Period: Oct 2018 – Dec 2019

Partner in charge: WMR

Deliverables

- **Deliverable T2.2.1** BIO-Economy RDI international collaboration network statute - The deliverable consists in an approved Statute detailing collaboration network objective, duration, coordination mechanism, participants' role, etc. It will be available in EN. **Finalization month: 12/2018**
- **Deliverable T2.2.2** 6 Collaboration agreements - The deliverable consists in signed agreements among enterprises, enterprises and research services and /or public authorities. It will be available in EN. **Finalization month: 12/2019**

Activity T2.3 Monitoring and Peer Review

Along the entire duration of the WP an in itinere monitoring action will be activated and the findings obtained will be object of specific peer review working sessions. This action aims at guaranteeing the due quality standards, improving performance, and promoting mutual learning and expertise exchange.

In the month 15th, 18th and 21st three international peer review sessions will be organized (in parallel with the matchmaking events) both for regional and international strategy. The state of play of each strategy will be presented highlighting strengths and weakness and submitted to the critical review of the other partners. The results of the peer review process will be a critical revision both of the regional and of the international strategies with the aim to design the Bioeconomy R.D.I. Regional strategy roadmap.

RBI will coordinate the peer review process; WRM (during project SC), Alma Mons and CCIT will organize a peer review session in parallel with Matchmaking event; all partners will support RBI in the peer review process, and participate in the foreseen events.

Period: Oct 2018 – Dec 2019

Partner in charge: RBI

Deliverable T2.3.1: 6 Bio-economy R.D.I. Regional strategy roadmap: The deliverable consists in e-format free accessible document summarizing key findings and lessons learnt. It will be available in EN and National Languages. **Finalization month: 12/2019**

WP 3 Capacity building and networking

Period: 03/2018 – 12/2019

Partner in charge: Ruđer Bošković Institute

Overview

The aim of this WP is to support the full implementation of BIO-ECONomy Research Driven Innovation Strategy through an integrated set of capacity building and networking action.

In particular, the capacity building action aims at increasing the technical skills and expertise of the three key project target groups: regional planners, enterprises and clusters members, research centres and academia. The activities, carried out both at regional and transnational level will foresee: workshops, best practices exchange, mutual learning, etc.

Meanwhile the networking actions aims at set up a BIO-ECONomy platform conceived as steady a tool for mutual learning and opportunity exchange which will be used to support both the capacity building activities and the BIO-ECONomy RDI international Action Plan implementation.

The capacity building action will be coordinated by the Ruder Boskovic Institute which directly lead the activities addressed to Research institutes and Academia, whereas the activities for Enterprises and clusters and local planners will be respectively coordinated by Confindustria and Western Macedonia Region.

Furthermore Confindustria will have the responsibility to develop, manage, update and maintain the networking platform, organize the webinar events and coordinate the contribution of the other partners and external experts for animating the different platform sections (blog, matchmaking services, legislation corner, Idea virtual lab, etc. All the other partners will contribute to the animation of the platform according with their specific expertise

Activity T3.1 Capacity building

The capacity building actions is thought as a supporting process of the BIO-ECONomy RDI strategies. It foresees a combined set of regional and international actions aimed at activating a mutual learning process based on exchange of expertise and knowledge transfer on bio-based products, industrial process, markets etc among the targets.

Regional events:

- 1 half day seminar for policy planners (8-10 p)
- 1 daily symposium for academia (15-20 p)
- 2 daily workshops for enterprises (10-15 p)
- 2 technical demonstrations / showcase visit for research centres and enterprises (8-10 p)
- 2 thematic webinars for research centres and enterprises (15-20 p)

International events:

- 3 international 3-days study visits for 14 people each (2 per partner): 1 for enterprises hosted by CONF, 1 for public planners hosted by RWM, 1 for scientific community hosted by RBI
- 3 International workshops organized jointly with the study visit organized by the three hosting organization (20-25 p)
- 3 thematic international webinars

The awareness raising events (C.2) will be organized during the first project year in order to attract the interest of the wider possible number of regional stakeholders (primarily Public authorities and enterprises) in order to show to them the strategy and to promote the participation to the capacity building events as well as to the networking actions.

Period: 03/2018 – 12/2019

Partner in charge: RBI

Deliverable T3.1.1 The report will be in e-format free accessible document. It will report the capacity building activities, the matters discussed and the key findings. It will be available in EN - **Finalization month:** 12/2019

Activity T3.2 Networking

The action aims at setting up thematic steady BIO-ECONOMY network managed through a web-platform representing the key support tool for the activation of the partnership.

The platform is a networking and mutual learning tool with: - learning area with docs, slide, streaming videos of the workshops, seminars and symposia - webinar events - mutual learning and mentoring - experts blog -

match-making service for business partnership, - EU legislation and call update corner - Idea lab for setting up Regional and EU project

The platform will be open to the adhesion of all the relevant actors of the ADRION area. It will keep on running beyond the project end and it will be interconnected with the Bioeconomy ERA-NET Actions and with the web-tools foreseen by the two "European Strategic Cluster Partnerships": - EU4FOOD - Global Alliance for the development of international food bio-based clusters - 3BI - European Intercluster for Bioeconomy and Bio-based Innovation

Period: 03/2018 – 12/2019

Partner in charge: CONF

Deliverables:

Deliverable 3.2.1: BIO-ECONomy platform: The deliverable is web-based platform divided in different sections hosted on the Confindustria web-site. It will be available from October 2018 and will keep on running after project end. It will be available in EN - **Finalization month:** 10/2018

WP C Communication

Period: 01/2018 – 12/2019

Partner in charge: Chamber of Commerce and Industry, Tirana

Overview

The aims of the communication strategy are:

- to communicate, disseminate and exploit the BIOECO-R.D.I. methodology, outcomes and lessons learned to target groups, intermediaries and other stakeholders creating a multiplier effect and, hence, securing the biggest possible societal, environmental, economic, and technological impact across Adrion Area
- to raise awareness achieving maximum stakeholder involvement (enterprises in primis) in the project actions
- to create an effective internal communication flow within the partnership

This action will be implemented along the entire project duration and it is based in a three-folds strategy:

1. Communication of project activities and results
2. Awareness raising & Consensus Building
3. Dissemination and exploitation of results

The communication will be structured upon key messages expressed in concrete terms in order to attract the interest of 3 target groups:

- Enterprises active in bio economy related fields
- Public planners in charge of local development policy
- Research centres and academia

CCIT is responsible for the process, the production of communication standard, web-page updating, social media management and editing and printing the EN version of communication material.

NIC is in charge of the content management of Technical material for specialized targets and BIOECO-R.D.I. e-Booklet, webpage and social networks.

SVIL is in charge of media relation, internal communication, organization of Final conference.

Along the entire WP will be implemented a feedback mechanism to ensure the involvement of the various addressed target groups during the project development, as well as specific actions to fine-tuning the outputs and monitor the communication performance and impact. Synergies with other projects (INNOVAGRO) will be activated through the cross-participation to events, initiatives and services.

Communication objectives:

- **Raise awareness:** The integrated set of actions (communication, awareness, capacity building, networking) are thought as sequential steps of a process raising the awareness and engage all the targets (enterprises in primis) in the project actions
- **Increase knowledge:** The whole communication aims at increase the knowledge of all the target groups regarding the key elements of the bio-economy production process and market involving them in knowledge transfer and skills development actions
- **Influence attitude:** The communication actions intend to change the attitude of the bio-economy actors promoting concrete actions aimed at creating the framework condition for improving the bioeconomy RDI level cluster maturity and products market uptake

Activities:

Activity C.1: Start-up activities including communication strategy and website

Activity C.2: Public events

Activity C.3 Promotional material

Activity C.4 Digital activities including social media and multimedia

GANTT

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	gen-18	feb-18	mar-18	apr-18	mag-18	giu-18	lug-18	ago-18	set-18	ott-18	nov-18	dic-18	gen-19	feb-19	mar-19	apr-19	mag-19	giu-19	lug-19	ago-19	set-19	ott-19	nov-19	dic-19
WP 1 Management																								
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1.2 Administrative and Financial Management																								
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2.2 BIO-ECOmy R.D.I work groups							T1.2.2																	
2.3 BIO-ECOmy R.D.I. Regional Strategy										T1.3.1														
2.3 BIO-ECOmy R.D.I. International Strategy										T1.4.1														
WP 3 BIO-ECOmy R.D.I Strategy application																								
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3.2 BIO-ECOmy RDI transnational Strategy												T2.2.1												T2.2.2
3.3 Monitoring and peer review																								T2.3.1
WP 4 Capacity building and networking																								
4.1 Capacity building																								T3.1.1
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WP 5 Communcation and dissemination																								
5.1 Start up activities including communication and website							C.1.1																	C.1.2
5.2 Public events																								C.2.1
5.3 Promotional material							C.3.1																	C.3.3
5.4 Digital activities including social media and multimedia							C.4.1																	
Steering Committee	SI					IT						HR						GR						IT
Matchmaking events /peer review														RS				GR			AL			
International WS / Conference						IT						HR						GR						IT