Mapping the Networks and Platforms

Report of pre-screening results

30.8.2018

Content

Introduction

Please find short descriptions of the networks and platforms included in the pre-screening task including examples of the platform model or service. The data includes 26 networks and platforms. Along with the short descriptions, the pre-screening material involves two Excel documents containing the raw data.

The pre-screening material includes data on the following networks and platforms:

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Note: The examples of the platform model or service is not necessarily a complete list of all included services in online environment.

Note: The raw data on the Excel's is missing network and platform E.3. Bioways, and instead contains a Biolinx project that was not accessible online in late August and has thus been replaced with Bioways for the pre-screening task.

Short Description on the Pre-screened Network and Platforms

A. Transnational platforms for networking of clusters and/or Regional Innovation Systems

A.1. TCI Network

TCI Network is a global network of main organizations and practitioners with deep expertise in clusters and competitiveness. Network and its activities involve around 9,000 practitioners from development agencies, government departments, cluster organizations, academic institutions, companies and multilateral organizations in over 110 countries. TCI is a non-profit organization promoting cluster-based economic development. TCI activities include matchmaking, study tours, peer reviews, staff exchange, mentoring program and TCI Conference.

What is available online? Platform model or service examples

Networking platform: Interactive map of the member organization and people involved helps identification of potential partners and experts. The annual event – TCI Conference – boosts the networking event.

Toolbox for members: Members can promote their project, training course selection, publications etc. via the online platform.

http://www.tci-network.org/

A.2 European Cluster Collaboration Platform –ECCP

The European Cluster Collaboration Platform is a service facility for cluster organizations with a wide variety of online tools. ECCP aims to improve the competitiveness of their member clusters and to support the collaboration between clusters within Europe and beyond as well as to support the emergence of new value chains through cross-sectorial cooperation. The services include for example a dynamic mapping of over 800 profiled cluster organizations worldwide; a knowledge base and innovation hub for clusters providing the latest news, events and open calls; matchmaking events; database on regional, national, international and sectoral cluster networks; detailed information on the European Strategic Cluster Partnerships; and a partner search facility.

What is available online? Platform model or service examples

Networking platform: Partner search tool with filters to match interest. Dynamic map of clusters with connected profile-information worldwide.

Knowledge base: Latest information available on EU's cluster initiatives, European Strategic Cluster Partnerships and international cooperation initiatives.

Toolbox for Clusters: Clusters can post their profile on the platform and promote any relevant any information, news, events and reports in connection to their cluster profile.

https://www.clustercollaboration.eu/

A.3 S3 Thematic Platform

The S3 Platform assists EU countries and regions to develop, implement and review their Research and Innovation Strategies for Smart Specialisation (RIS3). The role of the S3 Platform is to provide information, methodologies, expertise and advice to national and regional policy makers, as well as promote mutual learning, trans-national co-operation and contribute to academic debates around the concept of Smart Specialisation. Registration on the S3 Platform is open to regional and national administrations of EU, candidate, neighbouring countries and to any other non-EU third country national or regional administration that wish to be involved and participate in the S3 Platform.

What is available online? Platform model or service examples

Toolbox for smart specialization

- Eye@RIS3 visualises public investment priorities for innovation across Europe. It enables public managers and stakeholders to position their territory in comparison to other territories and to find potential partners for collaboration.
- ESIF-viewer, visualising planned investments using European Structural and Investment Funds
- ESIF - Energy tool to search within European Structural and Investment Funds (ESIF) Operational Programmes (OPs) which countries and regions plan to invest in different energy areas, due to them mentioning specific energy-related keywords in different OPs that cover the territory.
- ESIF –ICT tool to search European Structural and Investment Funds (ESIF) data (ERDF, CF, ESF, YEI and EAFRD) on planned investments in ICT.
- Regional benchmarking tool - a tool for finding reference regions based on structural similarities and benchmarking policy lessons and transferring practices from other regions.
- EU trade - Revealed Competitors and regional competitiveness scoreboard; revealed competition map shows which region competes internationally with whom, on what and where.
- The R&I Regional Viewer provides a visualisation of the main economic indicators from Eurostat, planned R&I-related investments under the European structural and investment funds (ESIF) and Horizon 2020 funding awarded to stakeholders.

Networking platform:

- Interactive map on Digital Innovation Hubs with a search feature
- Thematic platforms, including Agri-Food; EU regions are invited to propose a thematic area that is of their interest and it is linked to agri-food and their smart specialisation strategies (RIS3), and in which they wish to collaborate on with other regions in perspective of starting a partnership for co-investment in the development of new value chains. Current thematic areas include: Consumer Involvement, High Tech Farming, Nutritional Ingredients, Smart sensors for agri-food and Traceability & Big Data

Knowledge base:

- News, events and knowledge repository for publications (with search features)
- Guidance for RIS design, implementations and additional guidelines; Governance – Entrepreneurial Discovery Process and monitoring
- Information on targeted support, S3 cooperation and communities & actors

http://s3platform.jrc.ec.europa.eu/

A.4 Global Cleantech Cluster Association (GCCA)

Vision of the Global Cleantech Cluster Association (GCCA) is to drive sustainable regional economic development, on a global scale. GCCA is a not-for-profit initiative of a private consortium. GCCA is a fully independent and open platform designed to support the development towards a shared economy and low carbon prosperity. As a meta-cluster GCCA provides access to capital, corporates, markets and insights. The members of the GCCA cluster network benefit from customized services:

- GCCA Deployment HUB Network; Open innovation Call Catalyst and Match Maker
- Reputation services: Annual GCCA Later Stage Award
- Multi-Asset Renewal Fund/MARF programs: Access to capital
- Best Practices and Webinars; access to insights, trend identification and peer-to-peer knowhow

What is available online? Platform model or service examples

Matchmaking platform: Open innovation call catalyst and matchmaker organized via Globenia.

Knowledge base: Webinars on best practices for members; access to insights, trend identification and peer-to-peer knowhow

Networking platform: Interactive map of member clusters with search features

www.globalcleantech.org

A.5 European Network for Rural Development (ENRD)

The European Network for Rural Development (ENRD) serves as a hub for exchange of information on how Rural Development policy, programmes, projects and other initiatives are working in practice and how they can be improved to achieve more. The ENRD supports the effective implementation of EU Member States' Rural Development Programmes (RDPs) by generating and sharing knowledge, as well as through facilitating information exchange and cooperation across rural Europe.

The ENRD was established in 2008 by the European Commission, Directorate-General for Agriculture and Rural Development (DG AGRI). The ENRD is governed by formal structures, the European Rural Networks' Assembly and Steering Group, bringing together a range of rural development stakeholder groups providing strategic direction, guidance and coordination.

What is available online? Platform model or service examples

Toolbox: Tools for National Rural Networks for running the network, evaluation, objectives and tasks.

Knowledge base: News, events, publications, project database, smart villages portal, Local Action Groups and National Rural Network profiles, policy information and much more

Networking platform: Partner search tool for Community-led Local Development projects

https://enrd.ec.europa.eu/about/brief_en

The Enterprise Europe Network helps businesses innovate and grow on an international scale. It is the world's largest support network for small and medium-sized enterprises (SMEs) with international ambitions. The Network is active in more than 60 countries worldwide. It brings together 3,000 experts from more than 600 member organisations with excellence in business support. Member organisations include: technology poles, innovation support organisations, universities and research institutes, regional development organisations; and chambers of commerce and industry.

A. Transnational platforms for SMEs

B.1 European Enterprise Network (EEN)

Services offered to companies include:

- International partnerships; The Enterprise Europe Network can help a business to find the right international partners to grow and expand abroad.
- Advice for international growth; Enterprise Europe Network experts provide a business with a free access to a range of advisory services such as: how to export your products or services to new markets; how to get CE marking for your products; the best way to finance your plans for growth; and how to protect your intellectual property assets in another country.
- Business innovation services; innovation awareness, innovation capacity building, innovation management and H2020 SME instrument.

What is available online? Platform model or service examples

Knowledge base: Search engine to find the local contact points; Information on success stories and events with search features. Events include Business matchmaking events, conferences and workshops as well as trade missions.

Networking platform: Partnering database; The Network manages Europe's largest online database of business opportunities. It contains thousands of business, technology and research cooperation requests and offers from companies and research and development institutions. The database is accessible for free and offers an opportunity to subscribe to receive alerts on new requests and offers.

https://een.ec.europa.eu/

B.2 Globenia

NIA - Nordic Innovation Accelerator - runs the online platform GLOBENIA. Globenia network connects large corporates and institutions with innovative SMEs and researchers globally to create impactful business opportunities and to support the Sustainable Development Goals (SDGs). NIA organizes a Cleantech Venture Day that is a major event connecting promising SMEs and investors.

NIA Ltd is fully independent open platform based in Lahti, Finland. NIA is connected to Nordic innovation ecosystem through our partners, and to global innovation networks such as Global Cleantech Cluster Association (GCCA) and Islamic Development Bank. NIA uses the UN Sustainable Development Goals as framework for its mission and activities. NIAs Nordic partners include:

- Cleantech Finland; Cleantech Finland is a network of top Finnish cleantech companies and experts
- Swedish Cleantech is the official business-to-business platform for Swedish companies. The purpose of Swedish Cleantech is to contribute to the development, commercialisation and export of Swedish environmental technology.
- CLEAN is Denmark's national cleantech cluster organisation with more than 170 members from the entire cleantech sector including 150 companies, 7 knowledge institutions and universities and a number of municipalities and regions.
- Cleantech ForEst is an Estonian non-profit that funds early stage green technology startups, advances environmental education and supports energy experts.
- OREEC's ambition is to contribute to solving societal challenges linked to climate change. This is done this by using Norwegian cleantech and knowhow to create green growth opportunities both in Norway and at the international level.

What is available online? Platform model or service examples

Knowledge base: Success stories and news

Matchmaking platform: Match maker tool and Call catalyst for open innovation

Match Maker tool is a networking tool with a matchmaking search feature that requires a registration to the Matchmaker marketplace. The Matchmaker offers an opportunity to showcase an innovative sustainable solution, business model and services. The Matchmaker connects the following target groups:

- SMEs & Innovators; This is a great opportunity to showcase your company to international investors or to find your entrepreneurial partner and build your network with other startups globally. Create a profile to start matchmaking.
- Investors & Funds; Connect with the best innovative companies and business ventures. Create your Investor profile to check the deal flow and connect with other investors.
- Entrepreneurial minds; Are you an entrepreneurial mind or team seeking your next idea to commercialize? Find inventions arising from universities and waiting to be commercialized; turbo generators, ultrasound reactors, modular packaging lines and more to see.

Innovation call – tool: Corporations, cities and other organisations looking for a solution can post an innovation call on the platform. SMEs, inventors and innovative start-ups can answer to the call with their solution and fast-track commercialization and market entry for their idea.

http://www.globenia.com/en/

B.3 MOOC.House

Mooc.house is an innovative online learning platform developed and operated by the Hasso Plattner Institute for Digital Engineering gGmbH (HPI) based in Potsdam, Germany. The platform allows a private

enterprise or as a public or educational institution to teach employees, students or other stakeholders in an innovative, easy to manage and scalable way. The platform allows an employee, as a student or as a stakeholder inside an organizational network to acquire knowledge and develop your skill set in an engaging and flexible way.

What is available online? Platform model or service examples

Toolbox: Availability of courses online with the following features:

- The innovative media player fully integrates the video of an instructor's talk with additional presentation media like slides.
- Interactive self-assessments immediately after each unit fosters the learning process.
- Interactive exercises allow to apply the acquired knowledge.
- Course content is broken down into smaller chunks of information and released successively.
- The learning community works actively together independent from time and space, in accordance with optional deadlines or live events.
- The discussion-forum as well as smaller online learning groups allow community-based learning and being a part of a social community.
- Course statistics and course maintenance functionalities help you as a staff member to manage your course. The progress overview helps you as a learner to know where you are with respect to the course schedule.

https://mooc.house/

B. Bioeconomy RDI platforms or networks with relevance to BSR/EU

C.1 ScanBalt Bioregion

ScanBalt® fmba is aiming to be Northern Europe's Leading Accelerator for Inter-regional Cooperation envisioning the region as a Global Hotspot for Health and Bio Economy. ScanBalt® fmba is a not-for-profit membership association with a legal entity registered in Denmark. ScanBalt aims to create value by: promoting innovation and business; fostering inter-regional collaboration; reducing barriers; enhancing visibility; and attracting resources. ScanBalt coordinates the EU Baltic Sea Region Strategy´s flagship "Health Region".

The main activities of ScanBalt are:

- Think Tank: Ideas generated between companies, regions, clusters and funding sources
- Accelerator: Promoting projects, coordination of funding sources, smart specialization
- Match-making: Facilitating contacts between health care providers, companies, investors and decision makers
- Communication: ScanBalt News (monthly), ScanBalt Business Club Information (monthly), webs, social media, direct mailing

Activities include ScanBalt Business Club that facilitates business development and market access. It publishes company news, partner searches and job adverts, promotes contacts to business support and investors and offers discounts on events. ScanBalt Business Club reaches out to 3000 companies, 50

university hospitals, 60 universities within health/life science incl. 25 with a focus on Medtech, 50 health care clusters and networks, 75 health care sector science parks. If a company is located in a region which is a Founding Member of ScanBalt, the Gold Level services are for free without any charge for the company.

What is available online? Platform model or service examples

Knowledge base: News, events, calendar, projects, information on the network and available services, publications and opinions (insights and policy dialogue).

Toolbox: Strong communication framework for projects to increase impact, reach target groups and gain visibility.

http://scanbalt.org

C.2 Agricultural European Innovation Partnership (EIP-AGRI)

The agricultural European Innovation Partnership (EIP-AGRI) works to foster competitive and sustainable farming and forestry that 'achieves more and better from less'. It contributes to ensuring a steady supply of food, feed and biomaterials, developing its work in harmony with the essential natural resources on which farming depends.

The European Innovation Partnership for Agricultural productivity and Sustainability (EIP-AGRI) has been launched in 2012 to contribute to the European Union's strategy 'Europe 2020' for smart, sustainable and inclusive growth. This strategy sets the strengthening of research and innovation as one of its five main objectives and supports a new interactive approach to innovation: European Innovation Partnerships.

The EIP-AGRI Service Point acts as a mediator within the EIP-AGRI network, enhancing communication and cooperation between everyone with a keen interest in innovating agriculture: farmers, researchers, advisers, businesses, environmental groups, consumer interest groups and other NGOs. The European Commission established the EIP-AGRI Service Point in April 2013 to connect people and facilitate innovation and knowledge-exchange in agriculture. The Service Point provides the following services:

- A helpdesk, answering your questions.
- Focus Groups, addressing specific challenges in agriculture and forestry.
- Organisation of EIP-AGRI events.
- Feeding the EIP-AGRI network with publications and coordinating the online Meeting Point.

The network involves EIP-AGRI Focus Groups that are temporary groups of selected experts focusing on a specific subject, sharing knowledge and experience. Each group explores practical innovative solutions to problems or opportunities in the field, and draws on experience derived from related useful projects. Each EIP-AGRI Focus Group meets twice and produces a recommendations and outcomes report. The EIP-AGRI Focus Groups also discuss and document research results, best practices and identify the implications for further research activities that will help to solve practical problems in the sector.

What is available online? Platform model or service examples

Knowledge base:

- My EIP-AGRI is an on-line resource developed to support information/guidance needs in a customized way. The user selects the type of project they are involved or interested in to access the portal to all the relevant information.
- Events, news and publications
- Funding opportunities

Toolkit:

- SHARE: With registration, a user is able to share project ideas, ongoing projects and research needs
- Meeting point**:** With a search engine, a user is able to search for funding opportunities, interesting projects and research needs from practice. With registration, also people can be searched via the meeting point.
- Propose and form an EIP-AGRI Focus Group to explore solutions or draw conclusions with a group of experts. Focus group is promoted via the site and the EIP-AGRI network.
- EIP-AGRI multiplier toolkit with communication materials to share information on EIP-AGRI

https://ec.europa.eu/eip/agriculture/en

C.3 European Regions Research and Innovation Network

Started in 2001 as an informal network, ERRIN is a well-established Brussels-based platform of more than 130 regional stakeholder organisations from 24 European countries, most of whom are represented by their Brussels offices. Members are mainly regional authorities, universities, research organisations, chambers of commerce and clusters that can take part in the network agenda via Working Groups or in the Management Board.

Through 14 thematic Working Groups, ERRIN works with research and innovation promoting triple and quadruple helix cooperation approaches and the importance of regional innovation ecosystems. One of the working groups is for BIOECONOMY.

ERRIN facilitates regional collaboration and knowledge exchange to the benefit of all its members and partner organisations, with a view to build a competitive Europe which supports smart, sustainable, and inclusive growth in all regions. ERRIN supports regional collaboration and project development by providing networking opportunities for members to share project ideas, best practices, and personal contacts. In addition, a partner search tool is available on our website for consortium-building purposes.

- Policy: ERRIN voices the position of regions in Brussels and works to bring a "placed based perspective" to the European research and innovation policy and funding program.
- Profile: ERRIN strives to raise the profile of the whole network as well as of each member by constantly profiling ERRIN members at events and flagging up their competences.
- Partnership: ERRIN buildsrelationships with both members and external organisations and works as a bridge between them. The result is rapid knowledge exchange and early intelligence.

What is available online? Platform model or service examples

Toolkit: Partner search tool

Knowledge base: News, events, working groups and members

http://errin.eu/

C.4 EIT Climate-KIC

EIT Climate-KIC is a European knowledge and innovation community, working to accelerate the transition to a zero-carbon economy. Supported by the European Institute of Innovation and Technology, EIT Climate KIC identifies and supports innovation that helps society mitigate and adapt to climate change. EIT Climate-KIC has more than 270 global partners spanning universities, businesses, cities and NGOs. The network brings together partners in the worlds of business, academia, and the public and non-profit sectors to create networks of expertise, through which innovative products, services and systems can be developed, brought to market and scaled-up for impact.

Services for **catalyzing innovation** from large corporations, research institutes and public bodies, as well as through to start-ups and individual entrepreneurs. EIT Climate KIC encourage fresh new thinking from beyond the mainstream through initiatives like our 24-hour hackathon Climathon, or our cleantech ideas platform Climate Launchpad. The incubator programme, Accelerator, gives seed funding, structure and assistance to start-ups and SMEs. Network drives innovation in established organisations through our range of innovation programmes, specifically for our partners.

- Climathon is a global 24-hour climate change hackathon that takes place simultaneously in major cities around the world every year. It attracts innovators, entrepreneurs, students and professionals to come together to create innovative solutions to climate challenges.
- ClimateLaunchpad is the world's largest green business idea competition. Its mission is to unlock the world's cleantech potential that addresses climate change. Each year the competition creates a stage for over 1,000 ideas to flourish, with partners in 35+ countries offering training, coaching, and financial support.

EIT Climate-KIC runs a range of inspirational **education programmes** across Europe and online, for students, postgraduates and professionals. These programmes develop their participants' skills and capacities, empowering them with up-to-date knowledge and best practice.

What is available online? Platform model or service examples

Market place/Matchmaking:

- From 'Find Business Opportunities' you will find tenders and business opportunities for vendors and service providers.
- For 'Invest with us', the Climate-KIC Marketplace, highlights top start-ups and allows investors to search by technology readiness, capital requirement and profile data rating, among other indicators.

Toolbox available for joining the action:

- Apply for a grant: Climate innovation calls for proposals announced annually

- Sign-up for a course: online courses

Knowledge base: Partner network, services, news and insights in focus areas

http://www.climate-kic.org

C.5 Agrisource – CSA Open Innovation Platform (OIP)

Agrisource is a project carried out by the French INRA and CIRAD, and funded by the European Climate-KIC. The platform was officially launched on the 13th of December 2017.

Agrisource is an open online platform for agriculture. Its content is brought by its worldwide community, and highlights all ideas, projects, innovation that somehow facilitate the achievement of two high stake objectives: Mitigating the green-house gas (GHG) emissions; and Adapting to climate change. Since both climate change and agriculture are a common interest for all societies worldwide, the community knows no boundaries: knowledge and experience sharing may come from anywhere to bring up solutions.

What is available online? Platform model or service examples

Open Innovation Platform: On Agrisource, farmers, businesses, research labs, governments, associations, think tanks can create profiles for their own organisations, for the projects they contribute to, for the knowledge and experience they consider useful to share with the community. In order to do so, different types of pages are at their disposal:

- The Player profile belongs to one specific entity (institutions, business, farmer, research lab…) that contributes in some way to solving the problematics of climate change in agriculture. In one Player profile you should find a short description of the Player's activity, its personal newsfeed, a contact form and its geolocation. You should also find what we call relational information: one Player should eventually specify its "Structures" (larger groups of Players it might contribute to), and its "Components" (the list of Players that might constitute this one).
- The Project profile is dedicated to any time-limited initiative that brings one or more Players to lead specific actions. This could be a European research project, for instance, as well as a local initiative from farmers. The Project profile gives a specific insight, with its own newsfeed and information.
- The Innovation profile is the heart of Agrisource as a source of open knowledge. Any Player/Project is entitled to create Innovation pages, dedicated to technics, solutions, experiments, ideas from the agricultural community. Once the Innovation is created, the purpose is that more Players feel concerned about it, and may bind their profile to that Innovation. The established link means that one Player declares himself working on that specific Innovation.
- Finally, users are able to upload Documents on Agrisource that also contribute to sharing knowledge. The Document is linked to the Player(s) who assume contributing to its conception. It also has a short description, and a possibility for rating from the Agrisource community.

https://www.agrisource.org/

D. Bioeconomy RDI platforms or networks created in Interreg BSR projects

D.1 Bioenergy Promotion (Interreg BSR 2007-2013)

The consortium behind the Bioenergy Promotion project implemented many activities to promote sustainable bioenergy production and use in the Baltic Sea Region (BSR). The partners developed shared principles and criteria for sustainable bioenergy production in the BSR. In addition, they supported policy development at different levels of government, analysed sustainable biomass potentials, developed pilot projects and strategic concepts for the 17 demo regions, and prepared good practice projects, policies and business models relevant for the Baltic Sea Region and beyond. Initial project was followed by an extension stage to enhance uptake of results and macro-regional specialization.

What is available online? Platform model or service examples

Networking platform: Interactive Bioenergy map on BSR showing projects, people and organizations registered to the platform.

Knowledge base: Archive of publications

http://www.bioenergypromotion.net/

D.2 Baltic Ecovillages (Interreg BSR 2007-2013)

Baltic Ecovillages project developed a virtual network called an Ecovillage road, which aims to gather valuable knowledge created by the Ecovillage Movement and to make it accessible to a broader public.

What is available online? Platform model or service examples

Networking platform and knowledge base: The platform of the Ecovillage network connects Ecovillages to each other or interested persons to the Ecovillages. The platform also shares knowledge on sustainable living and information on events, trainings, consultations and information on ecovillage products and services (tourism etc.).

http://www.balticecovillages.eu/

E. Bioeconomy RDI platforms or networks created in Horizon2020 projects

E.1 Bio-Step

BioSTEP project aims to promote a public dialogue on the goals of the bioeconomy and the steps needed to move towards a sustainable economy and way of life. In other words, BioSTEP aims to engage citizens and various stakeholder groups in discussions about the future development of Europe's bioeconomy. BioSTEP applies tailored communication tools, such as workshops, conferences, exhibitions and public debates on the bioeconomy. At a regional level, BioSTEP applies and tests a 'living lab' approach to facilitate the involvement of public-private networks of stakeholders in bioeconomy-based innovation and business model development processes.

The BioSTEP project was funded under the European Union's Horizon 2020 research and innovation programme (Grant Agreement no. 652682) and runs from March 2015 until February 2018.

What is available online? Platform model or service examples

Knowledge base: Tools created in the project are made available via the website. The knowledge base gathered throughout the project is gathered as a BioSTEP Tree of Knowledge that provides a comprehensive overview of the project's results; http://www.bio-step.eu/results/tree-of-knowledge/.

http://www.bio-step.eu/

E.2 BIOPEN

BIOPEN project sets up an Open Innovation platform to accelerate the production of your sustainable and competitive bio-based products

BIOPEN project has received funding from the Bio Based Industries Joint Undertaking under the European Union's Horizon 2020 research and innovation programme under grant agreement No 745719.

What is available online? Platform model or service examples

Matchmaking platform:

1) **Find collaboration**: By completing a professional profile and thus joining the community, you are able to find partners for collaboration.

2) **Find project opportunities:** Browse qualified innovation projects' ideas where partners search are activated by leading European organizations, and join projects of your interest for the production of your sustainable and competitive bio-based products. Ask information from the BIOPEN expert on the fit between the project and your interests and competences.

Knowledge base:

1) **Information base for research and innovation:** Offers access to more than 50 million patent documents worldwide, containing information about inventions and technical developments from 1985 to today; million scientific publications aggregated from a wide range of Open Access Repositories; all European funded projects for state of the art and benchmarking analysis; all the documents are provided in English. Usage requires joining the BIOPEN community.

2) **Funds for innovation:** Search tool for R&D grants via database of National and European funding programs. Query the database of Grants for R&D with free keywords or specific parameters, and an option to ask clarifications from the BIOPEN expert in Horizon2020 and in National and European funding programs.

https://www.biopen-project.eu/

E.3 Bioways

The BIOWAYS mission is to promote the huge potential of bio-based research results and raise public awareness of bio-based products, using a variety of communication techniques and through public engagement activities and the development of educational tools and materials.

What is available online? Platform model or service examples

Toolbox: Online serious games, videos and educational content for education on biobased economy for different target groups

Toolbox/Knowledge base: BioWatch is an interactive online platform that provides projects in the bioeconomy sector with a free service to position themselves alongside one another and provide direct access to industry, political stakeholders, the media and the general public.

BioWatch can be described as an e-library for bio-based research and projects. Each project will have a SEED, which is a multi-media digital brochure. It displays information about your project in an accessible and engaging format. It will contain similar information to your own project website, but will also offer a stronger level of engagement with your audience that cannot be achieved by a website alone.

Interested stakeholders and general members of the public can both view your SEED, and you can communicate with both parties. Members of BioWatch can follow whichever SEEDs interest them and receive push notifications when an update has been made.

http://www.bioways.eu/

E.4 Commbebiz

CommBeBiz project aimed to provide a bridge from bioeconomy research to business, and for social innovation. CommBeBiz worked with FP7 and H2020 project partners at all stages of their ideas and research development to enable more effective and speedier transfer of knowledge to the marketplace, to policy-players and for the public good. CommBeBiz targeted five specialist bioeconomy segments: Food, Agriculture, Fisheries, Forestry, and Biotechnology.

A range of support actions was available to all EU funded bioeconomy projects including:

1.   Networking: Become a member of a specialist segment with contacts along the value chain (from producer to consumer) and opportunities to develop new ideas for new projects;
2.   Visibility for projects through publications and case studies;
3.   Training & Capacity Development in Research & Business Communication – through webinars and face-to-face sessions with experts with experience of EU research;
4.   Assessment of the market and social innovation potential of your ideas and research outcomes by technology transfer and innovation experts;
5.   Business Coaching – the CommBeBiz Awards selected 15 projects per year to receive an individual action plan towards to achieve investor readiness or excellence in social innovation; &
6.   Meet/Match with industry, entrepreneurs and policy-players - at our face-to-face events and online.

Commbebiz project has received funding from the European Union's Horizon 2020 research and innovation programme, Project No: 652707 under call H2020-ISIB-2014-1.

What is available online? Platform model or service examples

Networking platforms: LinkedIn Group

Toolbox for projects: Publishing place for articles and case studies for a wider audience and the specialist segment for different bioeconomy topics in EU level.

Knowledge base: Library with for example: project briefs, innovation catalogues and a Knowledge Portal that offers a 'one stop shop' for researchers in the European Bioeconomy community who would like to explore the potential for their research to have an impact beyond the scientific community.

https://commbebiz.eu/

E.5 ProBio

ProBIO is a support action for Knowledge Based Bioeconomy (KBBE) projects, which identifies KBBE research results to facilitate their uptake and to provide opportunities to reach the market more effectively. ProBio provides the following services:

1. coaching projects showing more mature results to market uptake into start-up creation and licensing deals with industrial partners;
2. facilitating links with industrial and financial investors;
3. providing guidance on how to exploit KBBE research into further research projects;
4. fostering networking and knowledge exchange between European bioeconomy initiatives and the most important sector players so to raise awareness towards policy makers and engaging the general public.

ProBio project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement N°652683.

What is available online? Platform model or service examples

Knowledge base: Business plan development and business cases shown with an interactive storytelling tool – Pageflow. With Pageflow all page types can be extended with additional features such as: cross-page soundscapes, transition effects, autoplay, multiple storylines and delayed text fade-in. The platform enables visual storytelling and enables online journalists, digital storytellers and content agencies an intuitive creation of interactive web stories, online magazines and any kind of multimedia content. http://www.probio-project.eu/pageflow.html

http://www.probio-project.eu/

E.6 BioHorizon

BioHorizon is a network of specialised NCPs (National Contact Points) for Horizon 2020, the EU Framework Programme for Research and Innovation, within the scope of the Societal Challenge 2 (SC2) "Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy" and the Key Enabling Technology (KET) "Biotechnology" (KET-B). The network consists of officially appointed Food Security National Contact Points (NCPs) and Contact Points in International Cooperation Partner Countries (ICPC CPs), coordinated by the Instytut Podstawowych Problemów Techniki Polskiej Akademii Nauk (IPPT PAN) in Poland.

The mission of BioHorizon is to facilitate transnational cooperation within the network of BIO NCPs with a view to identifing and sharing good practices in order to improve general standard of support to programme applicants taking into full consideration the diversity of stakeholders and actors involved in SC2 and KET Biotechnology.

What is available online? Platform model or service examples

Matchmaking service: E-mentoring program for NCPs – identification of suitable mentor and contact information.

Knowledge base: Training material for NCPs

http://www.ncp-biohorizon.net/

E.7 Superbio

SuperBIO project aims to build new, innovative, cross border and cross sectorial value chains in the biobased economy. SuperBIO value chains consist of at least three cross-sectorial stakeholders from at least 2 EU member states or H2020 associated countries that are needed to make the innovation in the bioeconomy happen. This typically includes at least a biomass supplier, a converter and an end-user.

The project is business oriented: SuperBIO selects promising value chain ideas which are submitted by companies or other industrial stakeholders and is committed to support SMEs in constructing their value chain. In addition, SuperBIO offers 10 innovation services to SMEs that are part of validated value chains. These services are funded by the project for 75%, 25% needs to be financed by the company.

SuperBIO is funded by the research and innovation programme 'Horizon 2020' of the European Union under the Grant Agreement no. 691555 for the period from 01.06.2016 to 30.11.2018

What is available online? Platform model or service examples

Toolbox for SMEs: Value chains are introduced at the platform; for SMEs information and instructions for applying to 10 innovation services. The innovation services include:

1. Proof-of-concept and scale up: Development and scale up of biobased processes i.e. biomass pretreatment, fermentation, biocatalysis, product recovery and purification, if needed under ATEX conditions.
2. Innovation capture and patent filing ; Services offered include innovation capture sessions to identify potential IP within the SME; patent drafting; and IP audit to evaluate the current IP assets of the SME.
3. Techno-economic evaluation; The techno-economic analysis is a method to evaluate the economic feasibility of a process, to investigate cash flows over time and to compare different technology applications within a production process.
4. Market research; Market Research offers a detailed insights in new markets through tools such as surveys, data collection application/ competition analyses, TRL assessments and product identity evaluations (e.g. Green Premium).
5. Feedstock Analysis; The analysis typically includes an evaluation of potential bio-based feedstocks based on criteria provided by the customer (e.g. quantity, chemical properties and price).
6. Sustainability and regulatory appraisal; Product sustainability, which includes environmental, social and economic principles and criteria, in house GHG calculators to assist companies with both reporting and compliance requirements, assessment of land use criteria.
7. Life Cycle Assessment; LCA analyses the potential environmental impacts associated with a product's life cycle, from cradle to grave or parts of it. This can include raw material extraction,

processing of raw materials, product manufacturing, distribution, use, maintenance and end of life options.

8.   Business Planning; Business planning means telling a convincing story to make the value chain alive. Therefore the service includes the creation of a complete business plan or developing parts of it, e.g. new business models, or financial planning

9.   Access to investors; Building new value chains needs equity. This service includes connecting to international investors and preparation for investors pitches.

10. Subsidy and grant strategy; Identifying the right grant schemes for a particular project or for a particular project portfolio, adapt the existing projects towards the exact scope of the grant.

http://www.h2020-superbio.eu/

E.8 DataBio

The main goal of the DataBio project is to show the benefits of Big Data technologies in the raw material production from agriculture, forestry and fishery/aquaculture for the bioeconomy industry to produce food, energy and biomaterials responsibly and sustainably. DataBio proposes to deploy a state of the art, big data platform on top of the existing partners' infrastructure and solutions – the Big DATABIO Platform.

The selected pilots and concepts will be transformed into pilot implementations using co-innovative approaches and tools where the bioeconomy sector end users, experts and other stakeholders will give input to the user and sector domain understanding for the requirement specifications for ICT, Big Data and Earth Observation experts and for other solution providers in the consortium.

Agricultural pilots: Big Data Technology builds on geo-coded maps of agricultural fields and the real-time monitoring of activities on the farm in order to increase the efficiency of resource use, reduce the uncertainty of management decisions. Under PF, yield is increased due particularly to the precise selection and application of exact types and doses of agricultural inputs (crop varieties, fertilizers, pesticides, herbicides, irrigation water) for optimum crop growth and development.

Fishery pilots: This pilot will develop technologies to improve vessel energy efficiency and engine preventive maintenance by providing support for operational choices such as: vessel loading, weather routing, condition based maintenance and planning fishing rounds. On the other hand, the fishery pilot will:

- Demonstrate that the combination of available information from existing sources, such as catch reports, oceanographic measurements, oceanographic simulations, stock simulations and stock observations, can be used for improving assessment of fish stocks and their distribution.
- Provide information for predicting the development of various market segments, so that the fisheries may be targeted against the most beneficial fisheries; the consumer get informed on environmental impact footprint of fishery products so he can make informed purchasing decision.

Forestry pilot: Forest pilots will aim to:

- Identify automatically forest health and damages such as snow, thunder storms (wind), dryness, rains and fires, from satellite images; production of maps of implemented cuttings.

- Optimization of tree resources through detailed characterization of trees using tools including airborne laser scanning (knottiness, carvery), and smart trees assignment i.e., which trees go to saw mills, pulp/paper, textiles, biofuels etc, in order to match offer and demand.
- Integrated tools are developed and new management plans are implemented that take into account non-wood products and conservation areas while at the same time maximizing timber production and economic yield.

DataBio project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 732064, topic: ICT-15-2016-2017; Big Data PPP: Large Scale Pilot actions in sectors best benefitting from data-driven innovation.

What is available online? Platform model or service examples

Knowledge base: Project deliverables, news, events and publications

https://www.databio.eu/en/

E.9 Erifore

ERIFORE builds on a new alliance aiming to establish open access distributed forest bioeconomy research infrastructure across Europe enabling scientific discoveries to be transferred to new business models, novel products and services asserting sustainable growth. The specific targets of ERIFORE action are:

- To enhance the awareness, utilisation and open access of the complementary research facilities between the major European RTD actors in the field of circular forest biorefinery
- To prepare a conceptual design and plan for cooperational arrangements between the main European RTD providers with a target to establish an ESFRI project in the field of circular forest bioeconomy
- To prepare stakeholder analysis for the development needs in the infrastructure network
- To upgrade bioeconomy competence base by providing contact interface for facilities for education and training.

Erifore project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 654371.

What is available online? Platform model or service examples

Knowledge base: Project deliverables, news, events and publications; workshop materials and presentations

Co-working platform: Extranet co-working space for member organisations

http://erifore.eu/

E.10 Isabel

ISABEL project is about promoting, supporting and developing community biogas in Europe. ISABEL will unfold simultaneously in three regions across Europe, located in the United Kingdom (Yorkshire and Humber), Germany (Baden-Württemberg), and Greece (Central and Eastern Macedonia & Thrace). The

three targeted countries and regions are notably in different phases of maturity and development, providing a complementary synthesis of evidence. For realising its aims and objectives the project brings together and uses as a baseline the following three pillars: Local community, Sustainable biogas and Empowerment/Social innovation.

Isabel project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 691752.

What is available online? Platform model or service examples

Knowledge base: Newsletters, videos, materials and tools; national forums for 3 involved countries

Toolbox: News center to post news and events

https://isabel-project.eu/about/overview/objectives/

E.11 PLATFORM of bioeconomy ERA-NET Actions

The platform of bioeconomy ERA-NETs was initiated to bring together European Research Area Networks (ERA-NETs) and other relevant public-to-public (P2P) networks in the area of the bioeconomy: food, agriculture, aquaculture, fisheries, forestry, climate, biodiversity and biotechnologies. Through its activities PLATFORM established a forum for funders and programme managers and players since 2012.

The project received funding from the European Commission under the Seventh Framework Programme (FP7) and Horizon2020 (H2020). PLATFORM meta-networked the funders, programme managers and other key actors of ERA-NETs, Joint Programming Initiatives (JPIs) and other P2P networks. The project under H2020 (2015-2018) continued and expanded the work of FP7 PLATFORM (2012-2014) by further improving exchange and cooperation and strengthening the impact of these P2P networks on the European Research Area and the European bioeconomy.

What is available online? Platform model or service examples

Knowledge base: PLATFORM DB: Bioeconomy P2P networks information database showcases major achievements of the networks. The user can browse through the data, explore the functionalities to retrieve graphical overviews, and read about calls and projects. In addition, the site contains project deliverables, publications, news and links.

http://era-platform.eu/

Annexes

Data collection by Eevi Kokkinen. Data collected in June – August 2018.

Annex 1: Basic information on the networks and platforms (Excel).

Annex 2: Types of innovation services (Excel).