Public Policy Living Lab (P2L2) Newsletter
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The Public Policy Living Lab

The Public Policy Living Lab (P2L2) project supports countries and regions invested in the field of **advanced materials** by introducing or **improving local policy** to support innovation in this field.

P2L2's main aim is to improve policy instruments by supporting innovation ecosystems of advanced materials; supporting the implementation and evaluation of the Smart Specialization Strategies (RIS3); and coordinating regional policies between sectors to facilitate a real innovation ecosystem beyond administrative regional boundaries.

Study visit in Bordeaux (Nouvelle-Aquitaine, France) 7 to 9 November 2017

Study visits are one of the high value activities of the P2L2 project. These regularly scheduled events offer opportunities for interregional learning and exchange of experiences. Since the project started, P2L2 has hosted study visits in nearly all of the participant regions. In the last year, partners and stakeholders have congregated in Bremen, Poland, Lithuania and Denmark where participants learn about the host region's policy instruments and visit key players in the region's advanced materials ecosystem. Study visits are also opportunities for the project's steering group to conduct review, planning and coordination meetings.

The latest in these study visits took place from 7 to 9 November 2017 in the Nouvelle-Aquitaine Region and was attended by about thirty participants.

Since joining P2L2 project, the Aquitaine region has merged with two other former regions in France (Limousin and Poitou-Charentes) to create a new entity: Region Nouvelle-Aquitaine. The study visit was therefore also an opportunity to

present the new regional context, the statistics of the merged region and the innovation ecosystem in Nouvelle-Aquitaine.

Participants and Presenters

In a series of facility visits and panel discussions, the study visit brought together international stakeholders of the P2L2 project with the French regional partners. The regional stakeholders in Nouvelle-Aquitaine are partners such as universities, laboratories, technological centres, companies, and clusters that are involved in the regional roadmap definition and implementation. The following regional stakeholders were present in the study visit either as organizers, contributors, speakers, presenters or a combination thereof.

Institutional Structures and Clusters

ADI Nouvelle-Aquitaine - The regional economic development and innovation agency commissioned and funded by the main regional public partners. With 80 experts (engineers, doctors, sectorial specialists, jurists, marketers) on 5 different sites (Bordeaux, La Rochelle, Limoges, Pau and Poitiers), the agency provides support to all the companies (SMEs, start-ups, etc) and territories across the region.

Aerospace Valley - Aerospace Valley, Competitiveness Cluster for Aeronautics, Space and Embedded Systems is the most significant *"pôle de compétitivité"* (innovation competitive cluster) in France in the fields of aeronautics, space and embedded systems, counting over 840 members from both industry and academia. With 124,000 industrial employees, Aerospace Valley represents around 1/3 of the French aerospace workforce.

Pôle Européen de la Céramique - European Ceramics Pole undertakes research and development projects for identifying new applications for ceramics in areas such as habitat, optics and electronics.

Aquitaine Chimie Durable - A cluster of industrial chemistry and materials in the Nouvelle-Aquitaine region

Academic partners, technological centres, higher education institutions

ELORPrinTec - Unique worldwide facility in the fabrication of materials for printed organic electronics. Selected for funding to the amount of 10 M¬ in the framework of "Investissements d'Avenir / EquipEx " (world-class equipment). The platform is built to give academic researchers and small companies access to state-of-the-art semi-industrial equipment and let industrial players benefit from the latest academic know-how and innovations.

CANOE - Regional Center for technological Development in the fields of Advanced and Nanostructured Materials. Its objective is to support companies in the development of new composites through pilot line capabilities (TRL 3-6). Canoe provides R&D services such as feasibility study, prototyping, scale-up demonstration, and testing in response to industrial needs.

IMA - Training center in aeronautics engineering and life cycle management in aeronautics and transports in the University of Bordeaux, located at the Merignac airport. Prepares students in aircraft maintenance procedures to obtain 3-year and 5-year degrees.

Groups and innovative enterprises

Stelia Aerospace Composites (formerly Composites Aquitaine) - Regional SME involved in composites parts manufacturing for 30 years and now part of the Stelia aerospace group, global partner in aerostructures, passenger seats and pilot seats. Partnership agreement with the region under work.

AEC Polymers – Active in the field of structural adhesives for 15 years, AEC Polymers developed a proprietary methacrylate adhesives range. AEC Polymers joined Arkema in 2013 and is now part of Bostik. Constantly seeking innovation and new technologies, AEC Polymers illustrates Bostik's desire to play in the structural adhesives market.

Ariane Group – a joint venture of the European aerospace company Airbus and the French group Safran, with its three core businesses: aerospace (orbital propulsion systems and equipment), defence and security with the objective of development and subsequent production of Ariane 6. The LICORNE unit, co-funded by the Aquitaine region and the ministry of Defense, is a pioneer installation that offers biological solutions for treatment of ammonium perchlorate, a major ingredient of rockets fuels.

RT2I – SME dedicated to the development of innovative composites process based on knitting and forming. Highly automated, the RT 2i™ process enables a substantial reduction of production costs, as it obviates the need for heavy and costly equipment. RT 2i™can be technically compared to standard lay-up technology: continuously variable thickness, mass reduction and advanced mechanical properties.

In response to interest discussed during the previous study visits, the meeting in Bordeaux was extended to the photonic Route des lasers et des hyperfréquences cluster and a visit to the Alphanov Optical and Laser Technology Center.

Steering Group Meeting

In Bordeaux, the project partners participated in the Steering Group Meeting (SGM), where they discussed several case studies and future actions towards the Policy Brief and the Regional Action Plan.

Aquitaine's Regional Strategy: Composites and advanced materials roadmap

Advanced Materials has been selected as one of the RIS3 priorities. In 2009 Aquitaine has defined a regional roadmap (regional strategy) dedicated to "composites and advanced materials". In 2013, an analysis of the results allowed the identification of some key facts and improvement possibilities mainly related to governance issues.

The definition of this RIS3 area in Aquitaine has made explicit the strategic choice to consider chemistry as a *Key Enabling Technology*, as opposed to simply an industrial sector. The regional roadmap promotes research, technological developments and industrial offers as added-value solutions to different market-oriented sectors as aeronautics, transportation, building or energy. This strategic orientation has allowed open discussions with new stakeholders and promoted the cross-cutting capacity of the "Chemistry and Advanced Materials" RIS3 area.

The regional policy instrument/strategic roadmap, through several meetings with the regional stakeholders, has been defined as coordination tools of different operational instruments such as industrial partnership agreements, Innovation centres, and funding tools.

Industrial partnership agreements

Within its regional innovation policy and framework of the regional roadmap, Aquitaine has experimented since 2006 with the contractualization of objective agreements with major industrial stakeholders.

The main ideas behind these contracts are to:

- foster the regional development of major stakeholders
- involve those industrial partners in the local development, particularly through the reinforcement of regional collaborations with academics, SMEs as suppliers or co-developers.

About 10 partnership agreements have been signed and evaluated in 2012. The partnership approach used by the region in its relation with industrial stakeholders has proven to be a good practice that warrants sharing with other regions.

Upcoming events

Study visit Piemonte, February 20187

The Study visit in Piedmont, Italy is an interregional dissemination event for presenting the 6 Regional Action Plans from the each of the participant regions of the P2L2 Project: The State of Bremen in Germany, Podkarpackie Province in Poland, Piemonte Region in Italy, Nouvelle-Aquitaine Region in France, and the countries Denmark and Lithuania.

In during these three days, participants will be introduced to the Piemonte regional innovation ecosystem and regional good practices for industrialization and innovation. Representatives of regional clusters and governance will be available for an open discussion and present the best practices of the region.

This study visit will also focus on networking between stakeholders from various organizations from different sectors specialized in aerospace and advanced materials, such as research organizations, laboratories and productive companies.

To register for this event, please visit the P2L2 website events section.

To learn more visit http://www.interregeurope.eu/p2l2/ or contact the P2L2 project lead partner.

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