



Research Catalysts

Description and available support

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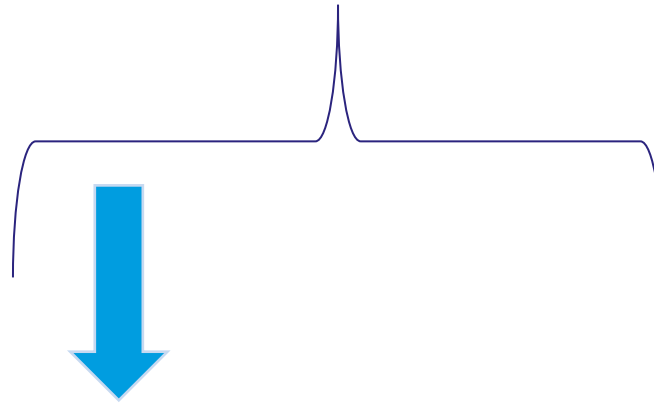


Research Catalyst Philosophy

- Two types of Research Catalysts
 - a) Those **advancing** research results/products/services from carriers along the innovation chain towards transfer (ready for transfer) and successful commercialization (ready for market) : IOS, TM, TE
 - b) Those contributing to infrastructural aspects by creating favourable conditions for market penetration: OSB, SB
- Together with Business Catalysts, (a)-Type Research Catalysts offer integrated support for the whole innovation chain, from identifying and qualifying innovation opportunities to business incubation
- Key concept is the **Innovation Delta** targeted through the application of a given Research Catalyst
 - The measurable advancement/impact in the innovation chain that the application of a given catalyst to the given carrier is meant to achieve

Innovation Delta

$I-\Delta$



Explore

Mature

Experiment

Deploy

Research catalyst tasks should:

1. Clearly describe the profile **and maturation level** of the technologies to which catalysts are applied
2. Allow to achieve a clear **innovation delta** on the matured/experimented technologies
3. Enhance the **added value** of the value/business proposition underpinning the activities
4. Be carried out according a sound **plan**
5. Have a clear vision and future **impact**



Innovation Opportunity Scouting

Identify and define a technology-based innovation opportunity

Scope of the work: Covers the study and definition of a technology-based innovation opportunity (I-Δ). This consists of: a definition of the business case, the analysis of the competitive and IPR landscape, the scouting needed technologies, the definition of a workable action plan

Innovation goal: Bootstrap the innovation process and advance in the value chain. Enable progress towards exploiting Tech Mat, Tech Ex, OSB, SB exploitation or of any of the Business Catalyst

Outputs: An identified innovation opportunity with a recognized investment and risk characteristics and a plan of action towards progressing in the value chain through the exploitation of any of the downstream catalyst by a dedicated and committed team

Performance indicators:

- # identified and defined innovation opportunities

Technology Maturation

Raise the maturity of a technology-based innovation opportunity towards exploitation

Scope of the work: Covers work by a committed and dedicated team for raising the maturity of a technology-based innovation by developing a demonstrator / prototype / service matching the profile of its specific and well defined business case and ready to enter one of the downstream catalysts (I-Δ)

Innovation goal: enable progress towards Tech Exp, OSB, SB exploitation or of any of the Business Catalyst

Outputs: A demonstrator / prototype / service matching the profile of a specific business case and ready to enter one of the downstream catalysts

Performance indicators:

- # innovations incubated
- # knowledge adoption cases of KIC-generated knowledge
- # knowledge transfer cases of KIC-generated knowledge
- # innovations that have achieved the targeted Innovation Delta

Technology Experimentation

Experimentally validate the technical and business performance of a technology-based innovation against a business case

Scope of the work: Covers work by a dedicated and committed team needed for preparing and performing experimentations to validate the technical and/or user and/or business performance of a technology-based innovation against the requirements from its specific business case (I-Δ)

Innovation goal: Validation of a technology / prototype / service based on sound empirical data from laboratory, testbeds, living lab/in-field experiments based on a high quality and clearly described experimental platforms and skills. It enables progress towards the exploitation of OSB, SB or of any of the Business Catalyst

Outputs: A validated demonstrator / prototype ready for entering any of the downstream catalysts

Performance indicators:

- # innovations incubated
- # knowledge adoption cases of KIC-generated knowledge
- # knowledge transfer cases of KIC-generated knowledge
- # innovations that have achieved the targeted Innovation Delta

Open Source Booster

Catalyse the industrial take-up of open source projects

Scope of the work: Covers work for boosting the exploitation of OSS generated in carriers through software extension, packaging and dissemination support (I-Δ)

Innovation goal: Foster the exploitation of innovative open source software by the industry and relevant communities

Outputs: OS packages, dissemination & exploitation material, impact assessment

Performance indicators:

- # knowledge adoption cases of KIC-generated knowledge
- # knowledge transfer cases of KIC-generated knowledge
- # new products and services launched into the market

Standards Booster

Foster impact and sustainability of research results through standards

Scope of the work: Covers work related to identifying potential contributions to standards stemming from KIC activities and to promoting their acceptance by relevant standards bodies (I-D)

Innovation goal: Identification, generation and promotion (to relevant bodies) of standards stemming from EIT ICT Labs results

Outputs: Participation reports, impact assessment reports

Performance indicators:

- # knowledge adoption cases of KIC-generated knowledge
- # knowledge transfer cases of KIC-generated knowledge
- # new products and services launched into the market

On-demand support during call 2015

1. Support in designing **high-value adding catalyst tasks** during 2015 proposal activities (augmenting chance to be funded)
2. Based on Catalyst quality checklists
3. On-demand team of experts, Action Line-based
4. Mail to: research.qc@eitictlabs.eu, specifying the involved Action Line



The team



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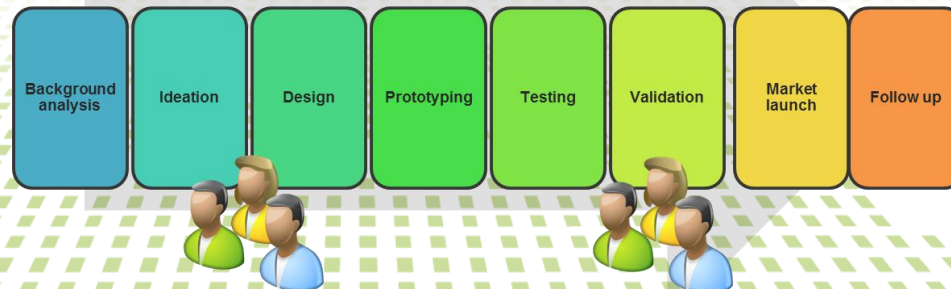
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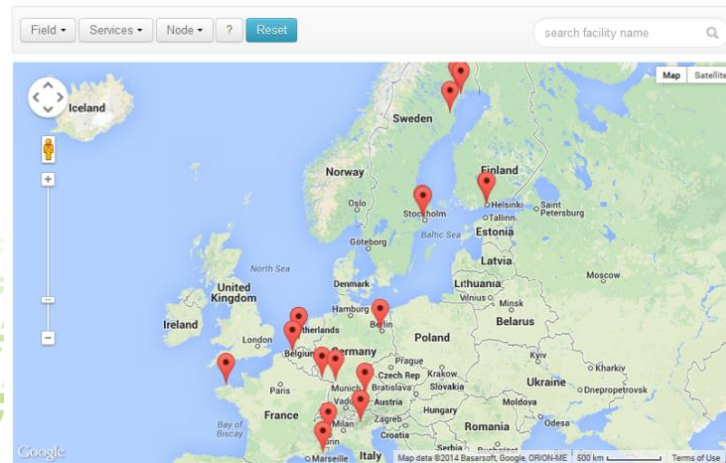
Experience and Living Labs facilities

1. Case:
 1. Adoption of the Technology Experimentation Catalyst
 2. Planning technology/service evaluation/validation with users/stakeholders in real life contexts (Living Lab)
2. Certain EIT ICT Labs partners acts as ELL, providing Activities with services for technology proof of concept & claim validation
3. Services:
 1. **Recruitment** and involvement of large panels of users/citizens, community management + legal regulations
 2. Management of long term **data sensing** for technology experimentation
 3. Access to **infrastructural assets** (e.g. public screens, smart homes)
 4. User-centric service design & **User eXperience evaluation**



Experience and Living Labs facilities

1. Repository of available facilities throughout the KIC:
2. <https://workspaces.ictlabs.eu/site/private/go/article.aspx?id=141&title=Sites>
3. Search form (Action line / CLC / available services)
4. Full info and details in the 2015 call for proposals text
5. Info: research.qc@eitictbals.eu





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Knowledge &
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