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H2020-LEIT-ICT WP2016-17

Big Data PPP – ICT 15

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H2020-LEIT-ICT-2016

- ICT 14 Big Data PPP: cross-sectorial and cross-lingual data integration and experimentation (IA) - Budget 27 M€
- ICT 15 Big Data PPP: large scale pilot actions in sectors best benefitting from data-driven innovation (IA) - Budget 25 M€
- ICT 16 Big Data PPP: research addressing main technology challenges of the data economy- Budget 33 M€
- ICT 17 Big Data PPP: support, industrial skills, **benchmarking** and evaluation (1 RIA) - Budget 2 M€

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H2020-LEIT-ICT-2016

Call identifier: H2020-ICT-2016-2017

Opening date: 08/12/2016

Closing date: 25/04/2017 17:00 CET

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Big Data PPP: The Challenge

- The main objective is to roll out an industrial strategy to develop Europe's data driven economy as outlined in the EC Communication 'Towards a thriving data-driven economy' COM(2014)442
- The Work Programme 2016-17 implements the Big Data PPP's Strategic Research and Innovation Agenda (http://www.bdva.eu)

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ICT 15 (aka Lighthouse Projects) - IA

Large Scale Pilot Actions in data intensive sectors involving key European industrial actors.

Their objective is to demonstrate how industrial sectors will be transformed by putting big data technologies at their core.

The Large Scale Pilot actions are meant to serve as best practice examples to be transferred to other sectors.

ICT 15 (continued)

Possible industrial sectors for Large Scale Pilot actions include (but are not limited to) health, energy, environment, earth observation, geospatial, transport, manufacturing, finance and media.

NO TRANSPORT, LOGISTICS, AGRICOLTURE, FORESTRY, FISHERIES.

Large Scale Pilot actions are expected to exhibit substantial visibility, mobilisation, and commercial and technological impact. Proposals must demonstrate that they have access to appropriately large, complex and realistic data sets.

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An example of a European, existing Lighthouse Project

ICT 15 – Requirements

- A **Consortium** where **industrial partners** are represented by professionals who work in **core business operations** (as opposed to research laboratories)

- Develop a plan that is consistent with the business strategy of the industrial partners concerned (**e.g. avoid committing to technologies that the decision makers in the respective companies have no intention of deploying**)

ICT 15 – Requirements

- Innovations developed in the pilot must **work in actual operating conditions** and are consistent with important business parameters such as reliability, accuracy, cost structure.

- Develop a **plan** that is **consistent with** the European, national and sectorial **regulations** the consortium members are subject to.

- **Main ideas and lessons learned may be replicated beyond the pilot itself.**

ICT 15 – Industrial Requirements

- To **improve** an **existing** industrial/commercial process or to **create** the conditions for **novel** industrial/commercial processes

- To explicitly consider their **cost structure** and their **current technological constraints/limits**
- To explicitly evaluate/measure **changes** in the cost structure and in the technological constraints and performance (**at the end of the pilot**)

ICT 15 – Industrial Requirements

- To account of the **ownership, user right, cost structure of the data assets** to be used and/or produced during the pilot, and at the end of the pilot.

- To provide a credible competitive analysis to explain why the changes in industrial/commercial processes introduced by the result of your pilot will make the members of your consortium (and other European industries in the same sector) more competitive **after taking full account of global competition**.

ICT 15 – Industrial Requirements

- Describe the **industrial strategy and development plans** of the commercial companies in your consortium.
- State **explicitly** and in quantitative, verifiable detail what amount of **<u>own resources</u>** the company intends **to invest to leverage the grant received**, if selected for funding.
- If a company has no concrete/verifiable plans to invest additional/own resources, note so explicitly.

ICT 15 – Industrial Requirements

- If the large scale pilot foresees the creation of data supply chains, describe what **standards** will be used (or developed) and what **quality assurance methods** will be deployed to ensure that data assets of the appropriate quality to support the intended industrial/commercial process are exchanged with minimal friction across different companies.

ICT 15 – Industrial Requirements

- Describe in detail any **legal constraint** that the specific industry sector addressed by the large pilot imposes on the collection and management of the data assets to be used. Similarly for national legislation that affects consortium members.

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ICT 15 - Impact

- Demonstrated increase of productivity in main target sector of the Large Scale Pilot Action by at least 20%;
- Increase of market share of Big Data technology providers of at least 25% if implemented commercially within the main target sector of the Large Scale Pilot Action;
- Doubling the use of Big Data technology in the main target sector of the Large Scale Pilot Action;
- Leveraging additional target sector investments, equal to at least the EC investment;
- At least 100 organizations participating actively in Big Data demonstrations (not necessarily as partners of the projects).

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ICT 15 a) DOs and DON'Ts

- DO NOT mix ICT-15 with other ICT Topics in one single proposal, they are all standalone
- DO provide detailed information on the IT/Big Data platform on which the project will run on
- DO explain how the project will credibly reach the impact goals set in the Work Programme (i.e. it is not sufficient to state 'we will reach the impact goals set in the Work Programme)
- DO explain how the private investment of the Consortium partners (additional to the EU funding) is connected to the participation of company X in the project (i.e. generally providing information on company X's investment in R&D does not really address the Work Programme requirement of leveraging the EC investment)

Additional information

- Technical Background Notes for ICT 15 are available at:

https://ec.europa.eu/digital-single-market/en/news/information-and-networking-days-horizon-2020-big-data-public-private-partnership-topics-2017