

EU-USA Collaboration for Business Research, Incubation and the Development of Goals, Entrepreneurship and adoption of activities

Best Practices for Business Research and Research-Lead Innovation



INSIGHT
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EU-USA C-BRIDGE PROJECT

INTERNATIONAL COLLABORATION




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C-BRIDGE METHODOLOGY KEYNOTE AT SIGCOMM 2023 WORKSHOP

The formulation of the IoT Science and The Study on C-BRIDGE Methodology



The C-BRIDGE project have discussed and extended, results and different views as best practices in the form of an International collaborative project, the advances in design principles, academic research and industry developments for software technology are brought together in the form of a methodology.



The use of IoT Cloud-Data for data exchange, semantic interoperability and device management federation for AI-Industrial Applications

Keynote at ACM Conference
September 10, 2023

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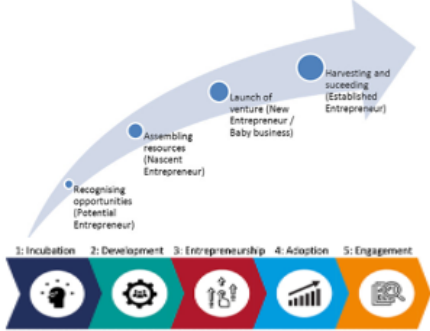



Figure 2: Business research methods, incubation practices, and entrepreneurship activities promoting standardization for the next generation of smart cities and Services



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Abstract

EU-USA C-BRIDGE project's main objective is to define a set of collaborative activities to assist in defining best practices for Business Research, Incubation practices, and the Development of business Goals to identify principles for Entrepreneurship activities. C-BRIDGE baseline is the identification and adoption of i3-MARKET project research and industry lead software development activities, to demonstrate it is possible to validate this methodology in international contexts. Similar to the i3-MARKET project's objectives the applicability for C-BRIDGE shall be domain agnostic and independent of the domain area where this can be used as far as the purpose is helping to transform scientific knowledge into community impact(s) directing market opportunities. In the context of C-BRIDGE, the smart cities application domain area is selected with the main purpose of promoting and demonstrating the adoption of the software development methods (i.e. following the knowledge-based framework like i3-MARKET) in the next-generation smart city services. In this context, the aim of C-BRIDGE is also to validate and promote the i3-MARKET design and implementation process as a reference methodology to validate and demonstrate its application for data-driven innovation and the use of smart city data as empirical experience for the research community and also for future commercial value.

The c-BRIDGE method addresses the need for a new approach to data innovation. On the other hand, the maturity assessment of a smart city based on the technology that is deployed, the number of services that are provided, and/or the data that is generated directly from the city infrastructure is today one of the most challenging activities; mainly because the complexity that exists when connecting all the different aspects of the data and also because this process requires the understanding and participation of all the systems and stakeholders involved in the production of the data. This process taken as an example is called data continuum and it is also a main outcome in C-BRIDGE. The Data Continuum is supported by the need that data systems collaboration requires that aspects of data that want to be shared can be understood across the systems and that new ways for data management (big data) can be deployed and implemented efficiently. Beyond this challenge, the quantification of the data that is produced in a smart city is a progression in the state of the art and represents multiple opportunities to explain why the data needs to be shared and also an opportunity for data to be used.

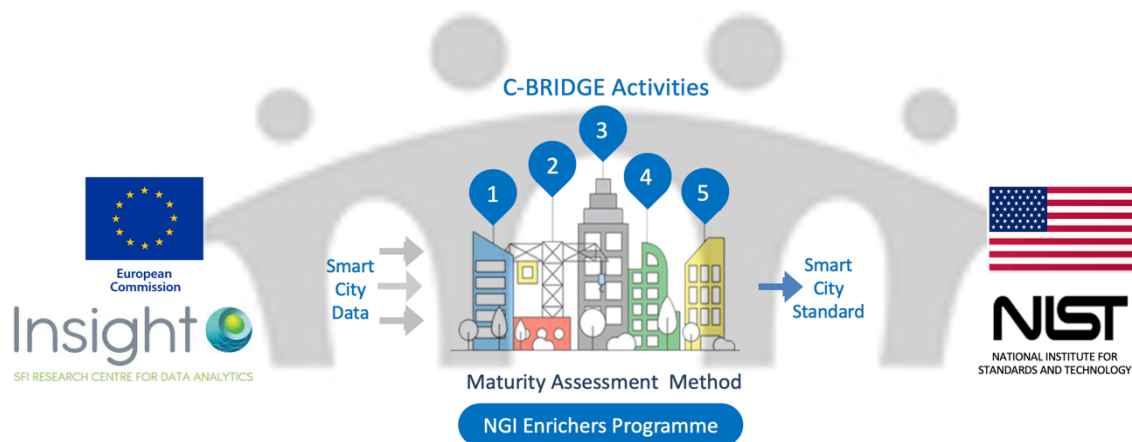


Figure 1. The C-BRIDGE Vision

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