



Multidisciplinary Approach to Plan Smart Specialisation Strategies for Local Economic Development



Cluster and S3:EU-USA COMPARISON OF DATABASE AND MAPPING TOOLS

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PAU UNIT Wp1-Wp2 Research and Innovation; S3. Cluster policy and Spatial Planning

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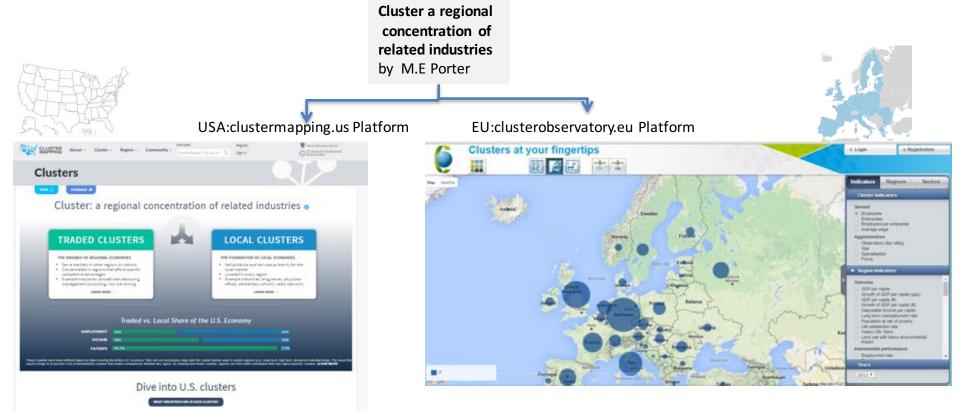


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Research Question:

Why CLUSTERS MAPPING are highly relevant to SMART SPECIALISATION STRATEGIES?











Outline

Part 1. Introduction

Evolution of Cluster Research and Cluster Mapping

Part 2: From the Dataset to European commission to US cluster mapping perspective

2.a USA: Cluster Mapping.Us

2.b EUROPE: Cluster Portal.eu and S3 PLATFORM

Part 3. The methodological approach to connect Cluster with Spatial planning: the MAPS-LED GIS.





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Part 1: Evolution of Cluster Research and Cluster Mapping



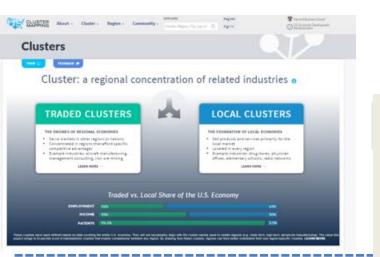




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By Cluster

Part 2: From the Dataset from European commission to US cluster mapping perspective



51 Traded Clusters

Are groups of related industries that serve markets beyond the region in which they are located.

16 Local Clusters

Consist of industries that serve the local market.

Economic indicator

By

Regions

Indicator category

USA: cluster mapping.us





The second of th

CLUSTER STARS

√Size,

Region Type

- √Specialisation,
- ✓ Productivity,
- √Growth

51 sectoral clusters

10 cross sectoral

clusters

S3 Platform tools

this tool to help strategy development rather than a source of statistical data

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MAPS-LED 2015 - 2015

Multidisciplinary
Approach to Plan Smart Specialisation Strategies

2.a USA: Cluster Mapping.Us-



Clustermapping.us by Prof. M.E. Porter

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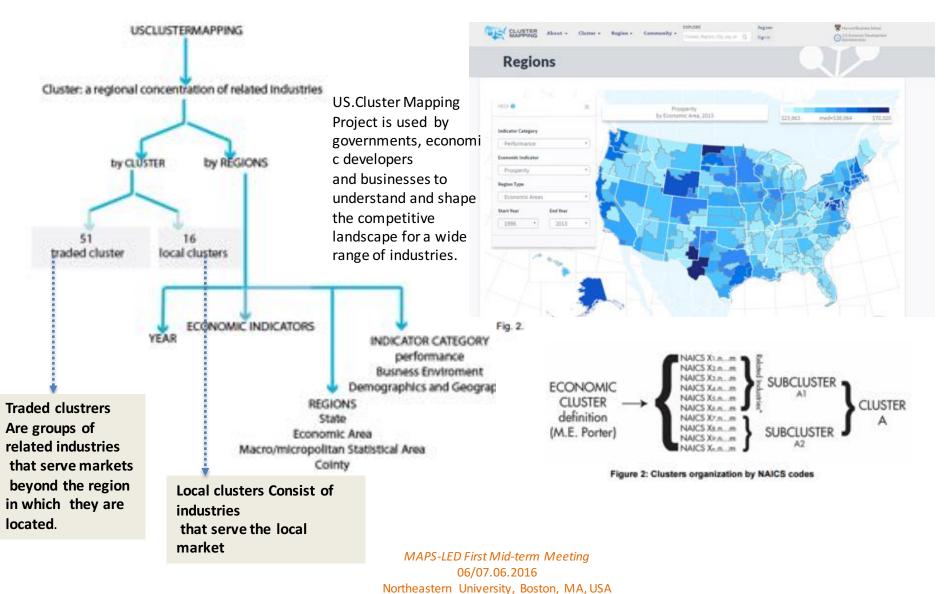




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2.a USA: Cluster Mapping.us







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2.b EU Cluster Portal and S3 PLATFORM



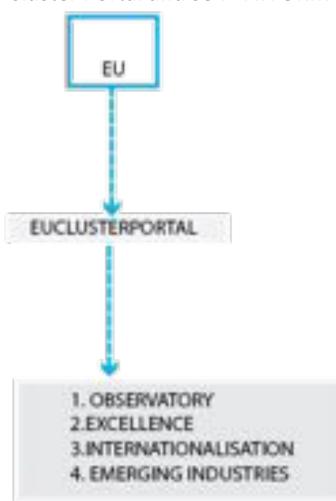




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2.b EU Cluster Portal and S3 PLATFORM



EU CLUSTER PORTAL:

The EU Cluster Portal provides tools and information on key European initiatives, actions and events for clusters and their SMEs with the aim of creating more world-class clusters across the EU.

- **1. European Cluster Observatory**: providing information, mapping tools and analysis of EU clusters and cluster policy. Also informs about events and activities for clusters
- **2. Cluster Excellence:** supporting benchmarking and training tools for cluster organisations.
- **3.Cluster Internationalisation** enabling EU clusters to profile themselves, exchange experience and search for partners for cooperation within and beyond the EU.
- **4.Cluster And Emerging Industries** providing background information on EU initiatives which support emerging industries.

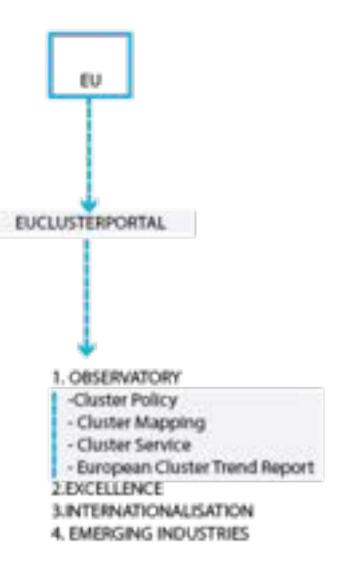




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2.b EU Cluster Portal and S3 PLATFORM



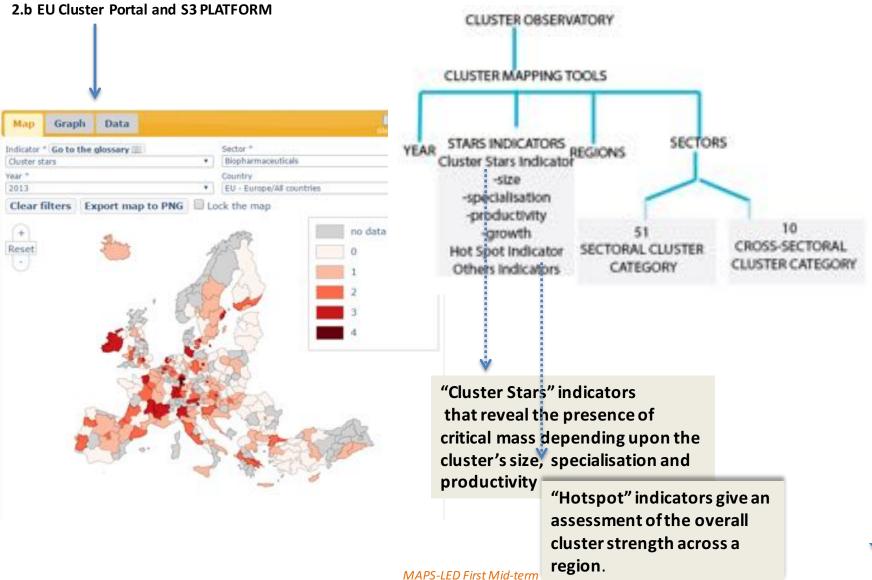
- 1. Cluster policy: this section provides information on the current and planned cluster policy support initiatives that will be developed through the European observatory.
- 2.Cluster mapping: analyzed in what SECTORS A REGION IS SPECIALISED. To identify A REGION'S SECTORS of high specialisation, the usual procedure is to calculate a so called location quotient, which indicates whether or not a sector has a high share of the region's employment compared to the reference area (Porter 2003; Sölvell et al. 2008)
- **3. Cluster services: this tools intends to facilitate** entrepreneurship, **cross-sectoral collaboration** and growth is mainly addressed to cluster managers interested in providing tailor-made and demandoriented support services to cluster participants, notably SMEs.
- 4. European cluster trend report: The European Cluster Trends report will identify and analyse where and how clusters of related industries are transforming themselves and where new specialisation patterns give rise to the emergence or renewal of industries.
- 1) internationalisation of clusters; 2) cross-sectoral transformations; 3) foresight analysis





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Searth

(1)

EU Trade

2.b EU Cluster Portal and S3 PLATFORM



The Smart Specialisation Platform provides professional advice to EU countries and regions for the design and implementation of their research and innovation strategies for smart specialisation (RIS3).

the EYE@RIS3 è online database
It's a tool that aims to help strategy
development rather than a source of statistical
data.

SMART SPECIALISATION PLATFORM

Regions are requested to introduce/update input in the database, which will produce a realistic map of the process of RIS3 development

Knowledge Repository

RIS3 is a process, at the end of which regional/national strategies should identify activities, in which an investment of resources is likely to stimulate knowledge-driven growth.





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The database intends to combine:

Categories:

Top down approach

Eu priority

- 1.Aeronautics and space
- 2. Blue growth
- 3. Cultural and creative industries
- 4.Digital Agenda
- 5.KETs
- 6. Nature and biodiversity
- 7. Public health and security Ageing societies
- 8.Service innovation
- 9. Social innovation
- 10. Sustainable innovation
- 11. Specific local policy priority

Regional capabilities + Busness Area and Target Market

Subcategories:

EU priority

Regional capabilities + Busness
Area and Target Market

Eye@RIS3 database envisaged fields for specialisation and identify partners for cooperation

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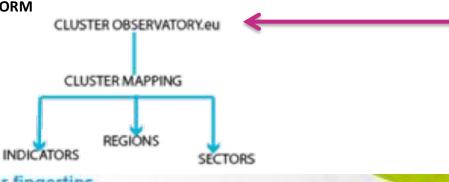
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2007

2012

2.b EU Cluster Portal and S3 PLATFORM

The main task of the European Cluster Observatory is to offer statistical analysis, mapping tools and policy advice towards the design of more evidence-based cluster policies in Europe.



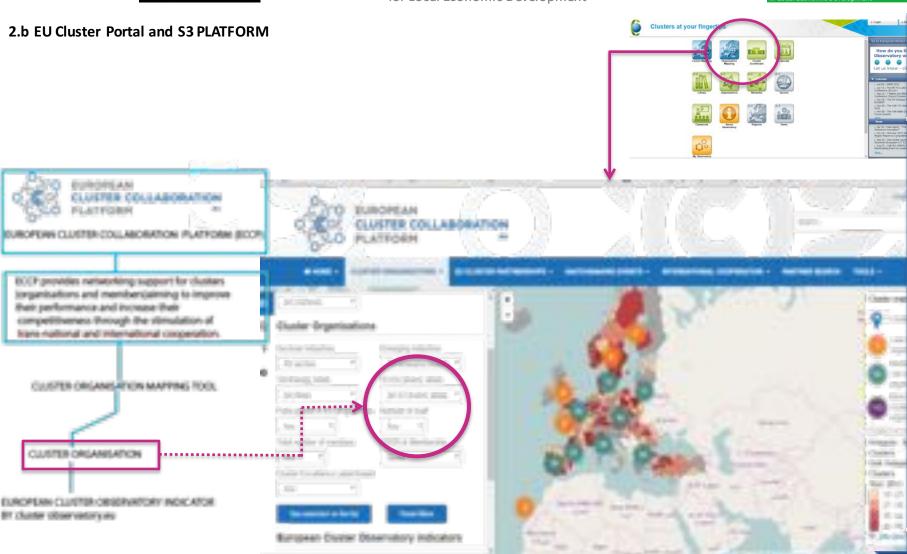






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Towards European Strategic Cluster
Partnerships for smart specialisation investments
- Call for the expression of interest- Deadline december 2016

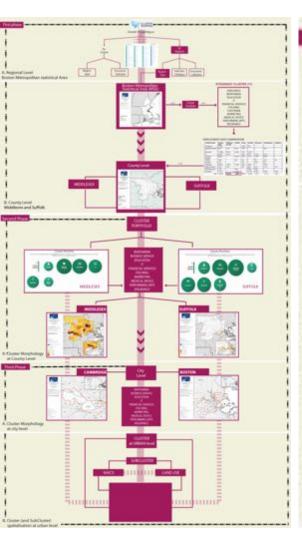


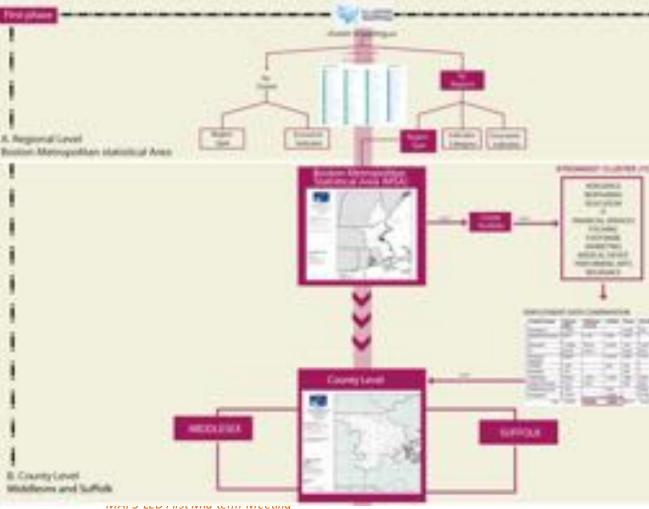


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Part 3. The methodological approach to connect Cluster with Spatial planning: the MAPS-LED GIS.





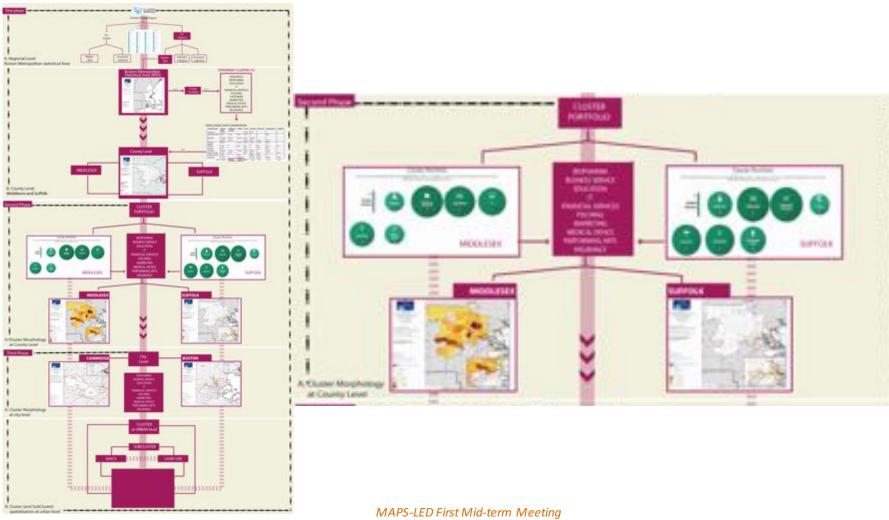




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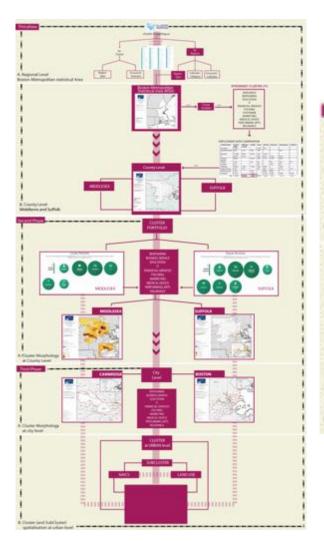


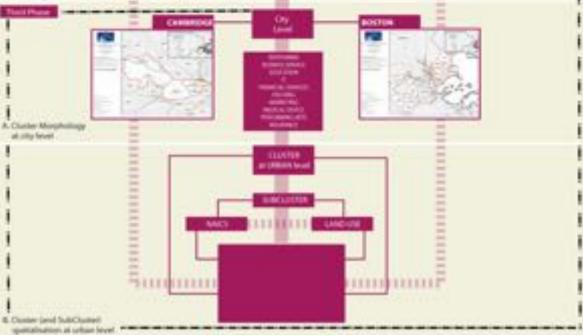


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