




BRIDGES
Interreg Europe



European Union
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Contributing partner: CEEI-Burgos, PP8
ADVISORY PARTNER

CREST working group report

Industry-Led Competence Centres

Common intention that they all be Industry-Led in the sense that their impact was to be felt directly through their impact on innovation and (economic) value creation

Stakeholders

Members of the Public Private Partnership that usually form Competence Centres.

Partners directly involved:

- private enterprises
- research performing organisations
- public service organisations

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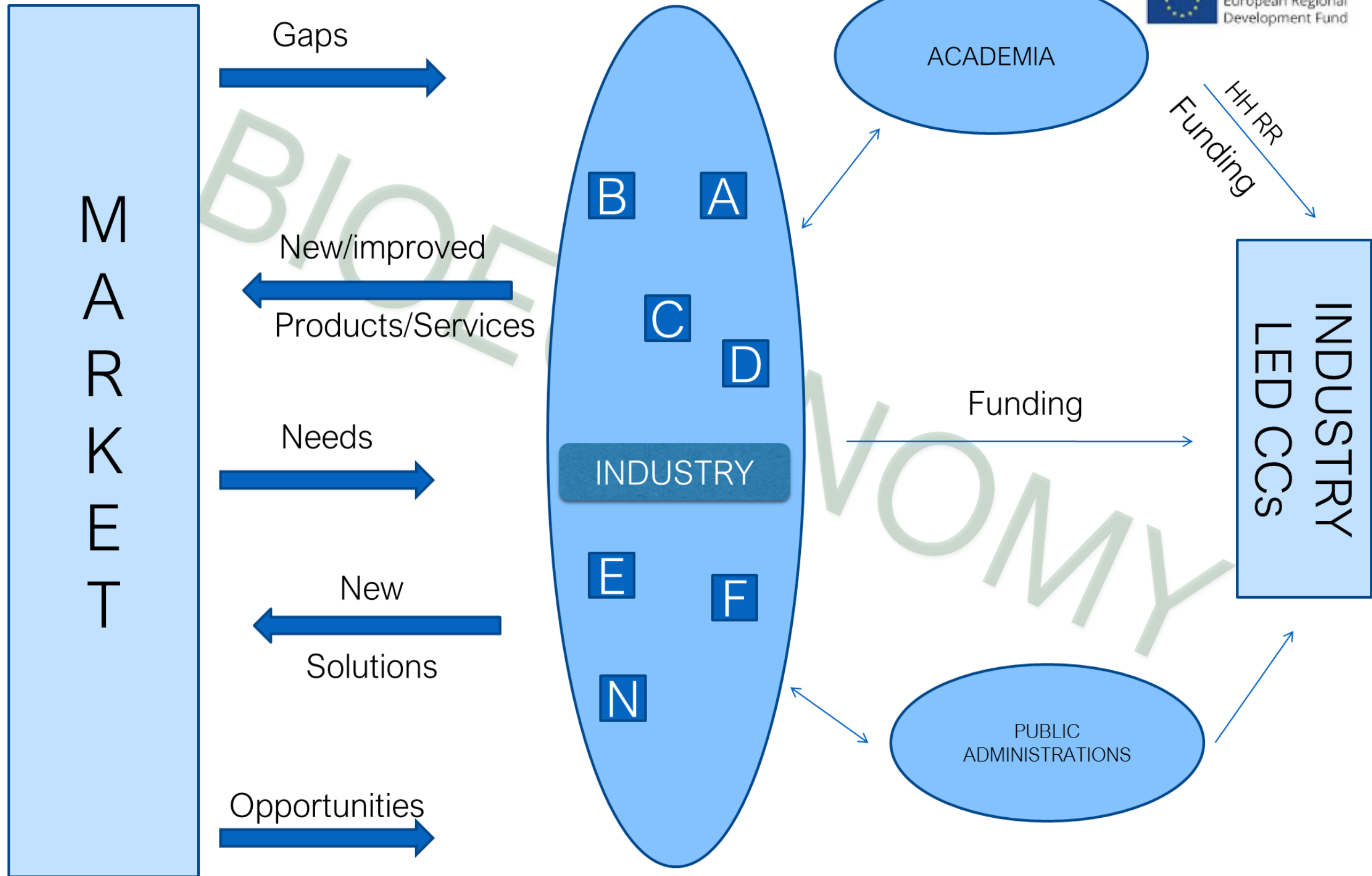
Types of CCs:

- Strongly based in academia with industry on their Boards (Swedish or the Austrian CC).
 - Objective: achieve critical mass and change the behaviour of universities to encourage greater openness to collaborate with industry.
- Virtual Centres, combining different competences in existing organisations (Dutch Leading Technological Institutes).
 - Objective: develop multi-disciplinary approaches in areas of importance for industry.
- 'Physical' Centres (IMEC in Belgium).
 - Objective: get real depth in expertise and facilities as a core support to the development of industry sectors.

CREST working group report

Competence Centres characteristics

- Research and training programs focussed on industry future needs directed by an Industry-Led board with significant experience of industry.
- Strong focus on generating and assisting industry in exploiting new knowledge as their primary objectives
- A multidisciplinary research team covering the range of disciplines required to deliver on the problem focussed research agenda
- A research agenda relevant to the future needs of the industrial partners focused on medium term market
- Close location and relationship with high quality research groups
- Formal governance structures, led by a strong profile industry and a balanced and experienced board, supplemented with a scientific advisory board
- A funding model which enables the Centre to maximise the commercial potential of the IP



GPs theme 1 list

GP theme 1 contributions

- 1 - European Business and Innovation Centre of Burgos (CEEI-Burgos)
- 2 - Swiss Federal Institute of Technology (ETH – Zurich) Competence Centres
- 3 - The Bioeconomy Science Center (BioSC)
- 4 - Synberc
- 5 - Commercialisation services for research to business
- 6 - Centre of Expertise Biobased Economy
- 7 - Competence centres
- 8 - Kantola Industrial Estate and Woodpolis

GPs descriptions

European Business and Innovation Centre of Burgos (CEEI-Burgos)

Horizontal business and innovation centre located in Northern Spain within the framework of the European Business Network. Public – private partnership aiming at promoting entrepreneurship and innovation in its community, including bio-economy related sectors

GP theme 1 match

Does not run or host CCI; certified EBN institution; facilitates industry-led collaborative & development projects in terms of finding expertise and funding. BICs are submitted to quality monitoring of its functions performance for an objective maintenance of the BIC brand.

BRIDGES relevance

Very relevant. Its model or transferable possibilities are clearly structured, and it is implemented every year in new projects (...) regional, national and European

GPs descriptions

Swiss Federal Institute of Technology (ETH – Zurich) Competence Centres

ETH Zurich provides a gateway for industry and matches interested companies with research skills available at ETH Zurich being focused on creating and strengthening mutually beneficial relationships between ETH Zurich and corporations worldwide.

GP theme 1 match

Based on CCI projects; selection criteria are not policy based, they are industry based. The results of the collaborative research (the results of CCIs) are valorized by the participating businesses

BRIDGES relevance

Involves large companies; however, as objective patenting, it is relevant also to smaller units.

GPs descriptions

The Bioeconomy Science Center (BioSC)

Science Centre located in Nordrhein-Westfalen (Germany). It is focused in the bio economy and its development in the scope of a considerable number of scientific branches

GP theme 1 match

Problem – based (societal challenges) project generation and involvement of businesses. The BioSC is properly aligned with its RIS3 strategy and really focused on the sustainable bio economy. It is totally oriented to the market and the technology transfer for the bio economy promotion. It is provided with a noticeable public and private funding system with quantifiable economic contributions to the projects they develop.

BRIDGES relevance

Very useful for innovation agencies to plan the focus of collaborative research, i.e. of their strategic projects.

GPs descriptions

Synthetic Biology Engineering Research Centre (Synberc), USA

The Synthetic Biology Engineering Research Center is a multi-institution research center focused on the synthetic biology. It is placed and led by The University of Berkeley, Emerville, California

GP theme 1 match

Based on CCI projects; selection criteria are not policy based, they are industry based. The results of the collaborative research (the results of CCIs) are valorized by the participating businesses.

BRIDGES relevance

Involves large companies; however, a trully industry led CCI. Relevant to BRIDGES regions universities and research units and how the two can be linked to channel research results into education and skills.

GPs descriptions

Commercialisation services for research to business

HIS is a technology transfer company owned by the University of Helsinki and it is responsible for the commercialization of the University owned intellectual property

GP theme 1 match

HIS provides a one-stop-shop expert services for the commercialization and business exploitation of research. This is very helpful for researchers and companies to bring research results to market efficiently and in time.

BRIDGES relevance

Very relevant as part of the structured cooperations of innovation agencies supporting RIS3 implementation. The methodology applied is very detailed; it is a totally transferable program which joins special skills and knowledge with valued money.

GP is relevant also to the partners that are involving university-linked technology transfer offices.

GPs descriptions

Centre of Expertise Biobased Economy

The Center of Expertise Biobased Economy (COEBBE) is an initiative within the Biobased Delta, regional development strategy and network. COEBBE will connect education and business in South of the Netherlands. It will educate the next generation Biobased workers for the region. Next to that the initiative has been taken to improve the regional knowledge infrastructure and it will contribute to apply and valorize knowledge to the regional Biobased innovation initiatives.

GP theme 1 match

Based on CCI projects; selection criteria are both industry and policy based, aiming at supporting the implementation of RIS3. not policy based, they are industry-based. The CCI is part of a regional network involving innovation agencies, ensuring upstream and downstream transfer of knowledge to business.

BRIDGES relevance

The CCI is operationally linked to the innovation agencies of the whole area (NUTS2). Very relevant in terms of structuring the cooperation between innovation agencies an

GPs descriptions

Competence Centres

CCs were selected within a public invitation to tender for the development of competence centres in 2010–2013 in Slovenia

GP theme 1 match

Based on CCI projects; selection criteria are not policy based, they are industry based. The results of the collaborative research (the results of CCIs) are valorized by the participating businesses

BRIDGES relevance

Involves large companies; however, as objective patenting, it is relevant also to smaller units.

GPs descriptions

Kantola Industrial Estate and Woodpolis

Path renewal of wood processing industry towards wooden construction industry

GP theme 1 match

Industry-led CCI in connection with wood processing industry that developed the only timber-building training factory in Finland that fulfills productional requirements is part of Woodpolis and cooperates with several research and educational institutions, including Kainuu Vocational College and Aalto University.

BRIDGES relevance

Very relevant. Prove show a top down approach (university & research based) provided there is commitment from the businesses and a good plan can renew and upscale an industry.



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