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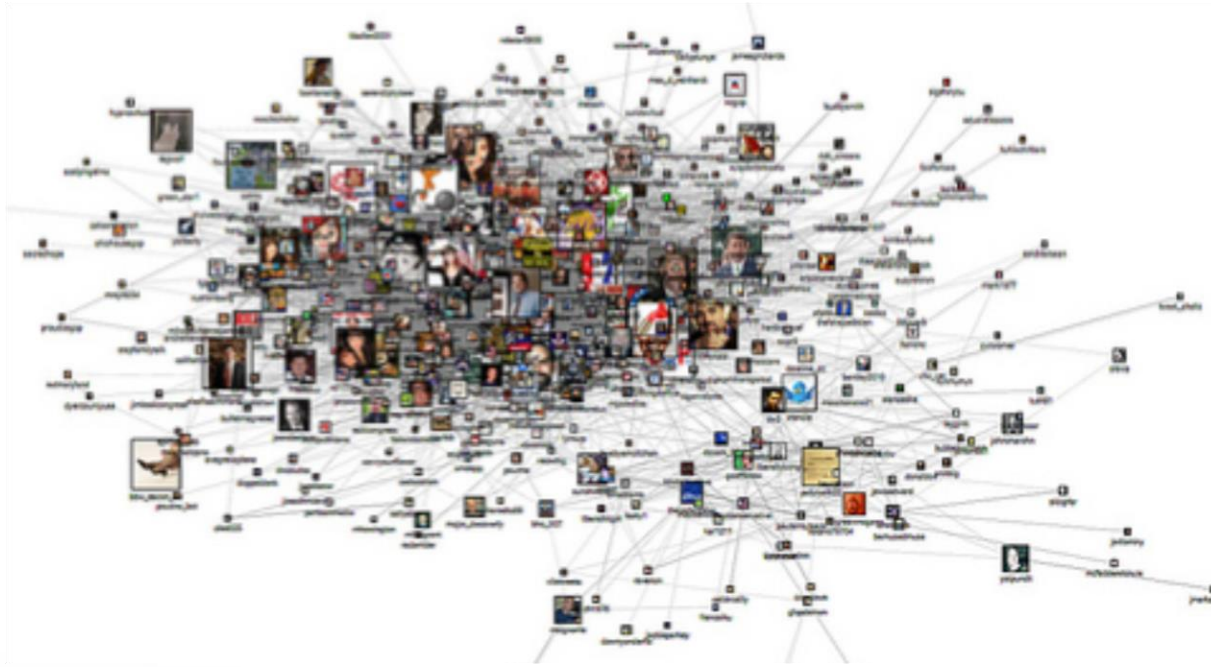
Danube Transnational Programme

DanuBioValNet

EUROPEAN UNION

Cross-clustering partnership for boosting eco-innovation by developing a joint bio-based value-added network for the Danube Region

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National Cluster Association – CZ

www.nca.cz

- **Cluster** is a **geographical concentration** of interconnected **companies**, **specialised suppliers**, **service providers** and related **institutions** in a **particular field** and firms in **associated areas**, which **compete** but also **cooperate**, have **common features** and **complement** each other.
  (Professor Michael E. Porter, Harvard Business School)

Project co-funded by European Union funds (ERDF, IPA)

National Cluster Association - CZ

The establishment of the **National Cluster Association (NCA-CZ) in 2008** as a non-profit association of individuals and legal bodies **with the goal to:**

◆ ensure coordinated and sustainable development of cluster initiatives in the Czech Republic

◆ advocate clusters and their interests towards the government

◆ align with the European Commission policies & actions

◆ facilitate cluster internationalisation and transfer of the best practices into the Czech Republic

NCA - the partner in European projects:

DanuBioValNet (Interreg Danube)
V4Clusters Go International (Visegrad Fund)
KETGATE (Interreg Central Europe)

NCA
CZ
NATIONAL CLUSTER ASSOCIATION

Mission:
„**The National Cluster Association creates a long–term and competent platform for the development of cluster initiatives within the Czech Republic and an active interface for their internationalisation.**"

HELPING CLUSTERS TO CLUSTER

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National Cluster Association - members

Cluster organisations

APPLIED RESEARCH AND TECHNOLOGIES
- CzechBio
- MedChemBio
- NANOPROGRESS

ENERGY, MATERIALS, MANUFACTURING
- ATOMEX Group
- CREA Hydro&Energy
- Czech Stone Cluster
- Czech & Moravian Glass Cluster
- Cluster of Czech Furniture-Makers
- Cluster of Precise Machinery Vysočina
- Cluster Mechatronics
- ETIK
- EWIC
- Moravian Aerospace Cluster
- Moravian-Silesian Automotive Cluster
- Plastics Cluster

ICT & SAFETY & SECURITY
- Safety Technology Cluster
- Hi-tech Innovation Cluster
- IT Cluster
- Network Security Monitoring Cluster

SERVICES, AGRICULTURE
- Agroklastr Vysočina
- Cluster of Applied Biotechnologies
- Regional Food Cluster

Development, education and innovation infrastructure

- BizGarden, Brno
- PRODO-SERVIS, Ostrava
- Regional Development Agency of the Ústí Region
- RERA – Regional Development Agency of the South Bohemian Region
- Palacký University in Olomouc, Science Technology Park and Business Incubator
- Tomas Bata University in Zlin, Faculty of management and economics
- Technology Centre, Academy of Science of the Czech Republic

$\Rightarrow$ 400 companies, 50 educational institutions, 20 R&D institutions
$\Rightarrow$ More than 160 000 employees
$\Rightarrow$ Turnover more than 16,8 billion EURO

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DanuBioValNet

- **Background:** transition of a fossil-based to a bio-based economy addresses one of the main challenges in the Danube region. The dependency on fossil resources should be reduced.

  Danube region possesses huge biomass resources, knowledge and technologies for bio-based materials, green chemicals, biopolymers, and has strong application sectors that would benefit from bio-based innovations.

  Due to a missing holistic transnational approach in the Danube region, actors in bio-based industry operate disconnected, important bio-based VCs are not established.

- Cross-clustering partnership for boosting eco-innovation by developing a joint bio-based value-added network for the Danube Region

DanuBioValNet - objectives

- **Facilitate eco-innovation by improving framework conditions and making better use of clusters, potential and diversity of the Danube region**

- Identify and develop new **bio-based value chains** (advanced-packaging, eco-construction, phyto-pharmaceuticals).

- Identify and **connect** key actors from different regions and industries, bring missing partners together and implement tools to help SME and academia to **innovate** along VC.

- Develop the **Joint Bio-Based Cluster Policy Strategy** to improve the framework conditions for clusters to cluster/SME cooperation along bio-based VC across regions.

Stage 1. Reinforce innovation and extend current infrastructure across the economy

Source: BBI

Stage 2. Build and strengthen value chains across industry sectors

Source: BBI

Project co-funded by European Union funds (ERDF, IPA)

Stage 3. Realise a connected biobased economy from research to end consumer

Source: BBI

15 Project Partners + **2 Associated Partners**
10 Countries

Start date: 1.1.2017
End date: 30.6.2019

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Germany
- BIOPRO Baden-Württemberg GmbH
- ClusterAgentur Baden-Württemberg
- Ministry of Economic Affairs, Labour & Housing Baden-Württemberg

Czech Republic
- National Cluster Association

Austria
- Foodcluster OÖ
- Cleantechcluster OÖ

Slovenia
- Ministry of Science
- Anteja ECG

Croatia
- Ministry of Economy, Entrepreneurship and Crafts
- Croatian Wood Cluster

Slovakia
- Prounion

Romania
- Ministry of Economy
- Clustero
- Institute of Economical Forecasting

Bulgaria
- Association of Bulgarian Clusters

Serbia
- Institute of Mechanical Engineering

Montenegro
- Vinecluster of Montenegro

Germany Czech Republic Slovakia Ukraine Hungary Austria Moldova Slovenia Croatia Romania Bosnia and Herzegovina Serbia Montenegro Bulgaria

■ Danube Transnational Programme area

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DanuBioValNet – Kick-off conference

Videoreport:

https://www.youtube.com/watch?v=cdPQHbbe_3M&feature=youtu.be

DanuBioValNet – following activities

- Map the existing knowledge about clusters and a stage of development of bio-based VCs (where are the regional hot spots of innovation located)

- Map 3 selected value chains (actors, gaps and missing links along the VCs will be identified, as well as unrelated industries and emerging linkages among clusters and eco-innovation opportunities for SMEs)

- Awareness workshop about bio-based industry topics for cluster organisations, SMEs and others

THANK YOU FOR YOUR ATTENTION

Official project web:
http://www.interreg-danube.eu/approved-projects/danubiovalnet

DanuBioValNet