CLUSTERs – drivers of innovation ecosystems
At a glance

• 12 years of activity as a representative body of Romanian clusters and the main platform of cooperation

• 49 of the most active clusters in the fields of textiles, wood and furniture, electronics and software, machine building, micro-nano-technologies, agro-food, healthcare, creative and cultural sectors, sustainable constructions, energy, electrical engineering, ICT, production engineering, automotive, smart technologies, tourism

• 6 regional and 6 thematic consortia (Textiles, Wood & Furniture, Agri-Food, ICT, Health, Bio-agriculture)

• 7 EDIHs created around the regional cluster consortia

• More than 2000 SMEs with 189.000 employees, 9 billion EUR turnover and 1 billion EUR exports (2020)

• Founding member of European Cluster Alliance and EUCLES
Services

- Information and Support to cluster generation and development
- Training for clusters and SMEs
- Monitoring and assessment of cluster competitiveness
- Benchmarking analyses and competence mapping in view of cross-sectoral cluster networks
- Business and Technology Audits for cluster members
- Innovation and internationalization for cluster SMEs
- Lobby and Consultancy (strategies, business plan, investment etc.)
- Exchange of best practices with other cluster associations from EU Member States
- Organisation of inward and outward company missions and brokerage events in collaboration with EEN; Matchmaking
- Organization of annual Cluster Conferences etc.
Cluster Excellence

- 80 Cluster initiatives recorded by the Ministry of Economy
- 49 CLUSTERO members
- 42 Cluster Excellence
- 11 Silver Cluster Excellence
- 7 Gold Cluster Excellence

Map showing the clusters' locations across Romania.
Innovation

Figure 1: Performance of EU Member States’ innovation systems
## Value Chains

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<th>Proiectare</th>
<th>Furnizori (Produse intermediare)</th>
<th>Producție / Servicii (finale)</th>
<th>Distribuție</th>
<th>Marketing</th>
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*Tabel 2: Situația lanțurilor industriale integrate cu potential competitive în contextul specializării inteligente.*
Clusters against the trend

- 150% increase in the number of enterprises
- 160% increase in employees
- 135% increase in turnover (bil. RON)
- 40% increase in exports (bil. EUR)
- 162% increase in R&D expenditures (mi. RON)
Clusters lengthening the value chain

**ASTRICO NORD EST** is an industrial group specialised in producing different types of yarns and knitted garments, located in the North-Eastern Development region of Romania. The leader of the group, RIFIL SA Savinesti, is the most important manufacturer of acrylic yarns in the European Union.

Astrico Nord-Est has developed a collaborative marketing-sales system by setting up a trading company, owned by the members of the cluster. Through this system, the group companies benefit from services such as: marketing, design, prototyping, technical assistance, logistic and financial services.

In 2013, ASTRICO NORD-EST founded its own facility of sampling and collection creation, with the assistance of the knitting machine manufacturer SHIMA –SEIKI. The capacity is equipped with the latest technologies on knitting industry (computer graphic design systems, newest generation of flat knitting machines, sewing machines, complete system for professional washing, drying and ironing).
Clusters foster business driven innovation
ERDF R&D Projects
Integration of clusters in the regional innovation ecosystems

- 49 TTC clusters
- 62 EEN
- 37 EEN (18 clusters members, 7 RDA members)
Clusters and internationalization
Company Missions
Green Clusters: Biovill Map
Clusters and Regional S3

Clusters and Regional S3

- BI
- Centru
- Nord Est
- Nord Vest
- Sud Est
- Sud
- Sud Vest
- Vest

- ICT
- Creative
- Mechatronics
- Textiles
- AgriFood
- Wood

- Industry 4.0
- Health
- Energy
- Biotechnologies
- Tourism
- Advanced materials

- Transport
- Construction
- Smart City
- Metal Processing
Conclusions

• (RO) Clusters are digitalization drivers
• (RO) Clusters are innovation drivers
• (RO) Clusters are S3 drivers
• (RO) Clusters are internationalization drivers
• (RO) Clusters are generators of value chains
Thank you!  

Daniel Cosnita  
President