



Preparatory Webinar

Cluj-Napoca, Romania  
22 – 23 June 2022



Cluster Collaboration Labs

@Clusters\_EU



# Agenda

- **Welcome and introduction from the European Commission**  
*Benoit Esmanne, DG GROW*
- **C2Lab in Cluj-Napoca on 22-23 June 2022: Concept, agenda, and preparation**  
*Nina Hoppmann, Team Member European Cluster Collaboration Platform*
- **Disruptions in European supply chains**  
*Antonio Novo, Team Member European Cluster Collaboration Platform,  
President European Clusters Alliance*
- **C2Lab at the Transylvanian Clusters International Conference (TCIW) 2022**  
*Daniel Cosnita, Team Member European Cluster Collaboration Platform,  
President CLUSTERO (Romanian Cluster Alliance)*
- **Q&A**

# Housekeeping rules

- Please use the **chat function** to comment or share links, and the **Q&A function to ask questions**.
- Please note that your microphone is **muted**.
- Please **raise** your hand if you like to take the floor.
- If given the floor, please **unmute yourself** and **activate your camera**.
- Please note that the session is being **recorded**.



Benoit Esmanne

DG GROW, European Commission

# Why a Cluster Collaboration Lab?



C2Lab is:

- solution-oriented
- tangible outcomes of ECCCP actions
- practical contribution to updated EU Industrial Strategy
- clusters link with Industrial Forum work

TF 2  
Support  
development  
of transition  
pathways

TF 3  
Support  
analysis of  
strategic  
dependencies

TF 4  
Cross-border &  
cross-ecosystems  
investment needs  
and cooperation  
opportunities

# European Commission actions to address supply chain disruptions

## DG GROW Supply Chains Task Force

- Set up the day after the Russian military aggression against Ukraine
- Gathers GROW expertise on specific industrial ecosystems + horizontal issues linked to the war
- Provides regular updates with the most relevant news and impact analysis

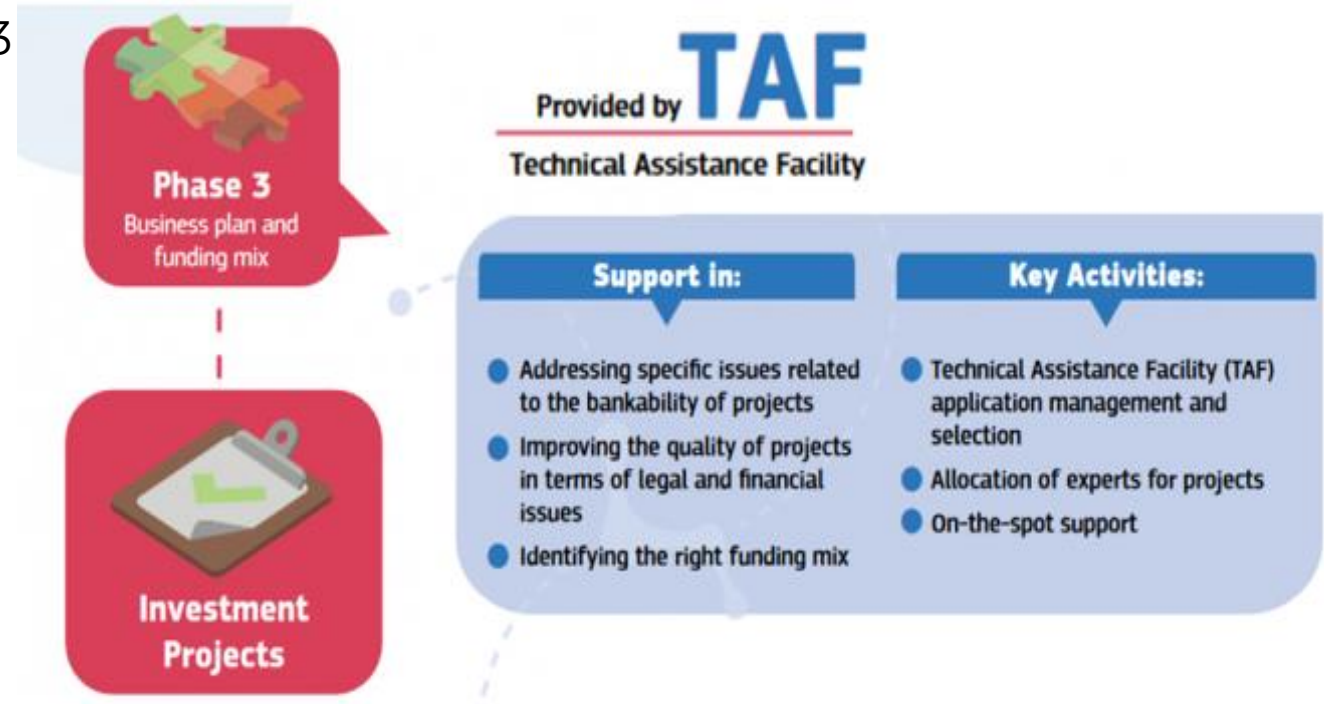
### Objectives

- Monitoring the impact of the war on supply chains, including the loss of inputs and the loss of market for European industries
- Steering the action to help European businesses, as well as Ukrainian economic actors and displaced population

- |   |                                  |  |
|---|----------------------------------|--|
| I | o European industry associations | o EU Delegations in Ukraine and Russia         |
| N | o European cluster networks      | o Association of European businesses in Russia |
| F | o Enterprise Europe Network      | o Ukrainian authorities                        |
| O | o Member States' authorities     | o Exchanges with other EU institutions         |

# Technical Assistance Facility (TAF) to promote Interregional Investment projects - overview

- **WHAT?** Support to project promoters from S3 platform to improve their business plans and **investment readiness** of their interregional projects
- **HOW?** Tailored advice on a **wide range of topics** delivered by experts
- **WHY?** To **foster public and private investments** in the industrial modernisation in the EU
- **WHEN?** A **3-year** project that ended in 2021





# Technical Assistance Facility (TAF) to promote Interregional Investment projects - results

- **19 individual projects** with a cumulative value of over **€155 million of total investment** emerging from 14 Partnerships from S3P-Industry platform
- More than **75% of industrial ecosystems covered**
- **52 regions** across EU involved



More than **580 participants** took part in **22 events and dissemination activities:**

- 11 webinars focused on application tips, experience-sharing and funding sources
- 5 workshops focused on horizontal capacity building
- 6 investment idea pitching sessions



Technical Assistance Facility for Industrial modernisation & investment







**Nina Hoppmann**

**Team Member, European Cluster Collaboration Platform**



# First C2Lab in Cluj-Napoca on 22-23 June!



- New event opportunity offered by the European Cluster Collaboration Platform
- On-site interactive workshop with active participation of the attendees to develop project roadmaps
- 4 C2Labs in 2022 and 2023
- In context of the Transylvanian Clusters International Conference (TCIW) “Clusters' Solution: Sustainable Business Performance”

# Who is it for?

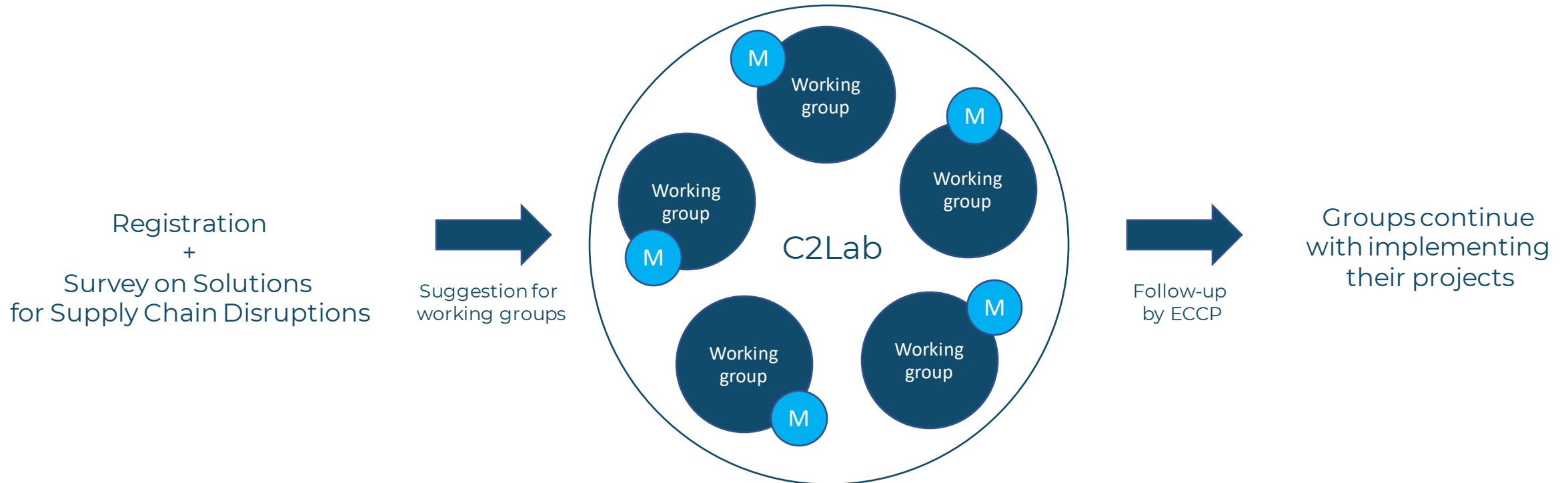
We welcome different entities that are interested in collaborating with others in projects!

- Companies
- Cluster organisations
- Actors from the civil society
- Financial providers

Participation is open to entities from the EU and SMP/COSME countries.

# Why a lab?

The C2Lab is a **co-creation space**. It is an interactive workshop to develop **project roadmaps** with other participants, who could be from other regions, countries, or sectors.





# Agenda 22 June

| Time (EEST)   | Agenda point   | Room            |
|---------------|--|-----------------|
| 10:00 – 12:30 | Opening in the Conference plenary session <ul style="list-style-type: none"> <li>• <i>Ulla Engelmann, European Commission: Welcome</i></li> <li>• <i>Antonio Novo, European Clusters Alliance: Disruptions in European supply chains and possible solutions</i></li> <li>• <i>Sustainable business performance: case studies</i></li> </ul>  | Plenary session |
| 13:30 – 13:45 | Introduction to the C2Lab activities   | C2Lab room      |
| 13:45 – 14:45 | Securing investments and exploring funding opportunities <ul style="list-style-type: none"> <li>• <i>Ivana Maric, DG REGIO, European Commission</i></li> <li>• <i>Karel Haegemann, JRC, European Commission</i></li> <li>• <i>Oana Buzatu, Cluj Napoca City Hall, Partnership for Regional Innovation</i></li> <li>• <i>Ramona Ivan, Romanian Bank Association</i></li> <li>• <i>European Investment Bank (TBC)</i></li> </ul> | C2Lab room      |
| 14:45 – 15:45 | “Pitches”: Presentation and finding project partners   | C2Lab room      |
| 16:00 – 17:30 | Working groups with moderators   | C2Lab room      |
| 19:00         | Invitation to the #10YearsTransilvanianFurnitureCluster - Celebration event & dinner   |                 |

# Agenda 23 June

| Time (EEST)   | Agenda point  | Room       |
|---------------|---|------------|
| 10:00 – 12:30 | Working groups with moderators<br><i>The expert moderation team:</i> <ul style="list-style-type: none"><li>• Antonio Novo, European Clusters Alliance</li><li>• Daniel Cosnita, Romanian Cluster Association CLUSTERO</li><li>• Flaviu Iorgulescu, Romanian Cluster Association CLUSTERO</li><li>• Kristina Šermukšnytė-Alešiūnienė, Agri-Food Lithuania DIH</li><li>• Athanasios Konstandopoulos, CHORUS cluster</li><li>• Panos Saragiotis, CHORUS cluster</li><li>• Daniel Acs, Union of Slovak Clusters</li></ul> | C2Lab room |
| 13:30 – 14:00 | Working groups with moderators  | C2Lab room |
| 14:00 – 15:00 | Presentation of 3 example roadmaps and discussion with the participants   | C2Lab room |
| 15:15 – 15:45 | Definition of next steps within working groups  | C2Lab room |
| 15:45 – 16:00 | Recap and closing remarks   | C2Lab room |

# Work on the roadmaps

## Interactive discussion on

- Business and Technological Mission
- Operational Structure
- Regional Actors and their Topology
- Operational Goals
- Manufacturing/Production
- Infrastructures
- “Soft” Infrastructures
- Economic and Financial Aspects

## Mapping the members of the working group according to Nexus approach

- Resources
- Processes
- Supply chains and networks
- Technologies and uses
- Economic and social impacts

## Roles, resources and relations between partners and project creation

- Points of convergence
- Synergies
- Hierarchy of skills, processes, and platforms as common assets
- Structure of project

## STEP 1:

# Please register to participate in the C2Lab!

<https://ec.europa.eu/eusurvey/runner/C2LabRomania>

☒ Save a backup on your local computer (disable if you are using a public/shared computer)

### Registration: C2Lab in Cluj, Romania, on 22 & 23 June 2022



The European Cluster Collaboration Platform is organising the first Cluster Collaboration Lab, also known as C2Lab, which will take place in Cluj-Napoca, Romania, on 22 and 23 June 2022.

At this interactive workshop, the participants will have the possibility to meet new potential project partners, team up with clusters and companies from other regions or countries, and develop together a roadmap for your next project. The project outlines developed at the C2Lab should seek to address the most critical disruptions in European supply chains.

Please express your interest in participating in the C2Lab below. All fields marked with an asterisk are mandatory. Registration is open until 13 June 2022.

The C2Lab is open to participants from the European Union and the SMP/COSME countries.

In order to complete your expression of interest, please answer the survey "A Solution-Oriented Approach to Supply Chain Disruptions" under this link: <https://ec.europa.eu/eusurvey/runner/SolutionSurvey>. This is mandatory to participate in the C2Lab. Your answer to the survey will help with the preparation of the working group phases of the C2Lab and to suggest the right collaboration partners for you.

Please find information on data protection in the Data Protection Notice.

[DPN ECCP C2Lab.pdf](#)

#### Personal Information

\* Given Name

\* Last Name



## STEP 2:

Please answer the survey on solutions to supply chain disruptions as part of the registration!

<https://ec.europa.eu/eusurvey/runner/SolutionSurvey#page0>

☒ Save a backup on your local computer (disable if you are using a public/shared computer)

### A Solution-Oriented Approach to Supply Chain Disruptions

Fields marked with \* are mandatory. ✕

Pages

Start **Background information** Impact of supply chain disruptions Measures to build supply chain resilience

Projects to build supply chain resilience Contact information and final remarks

#### 1 Background information

\* EU member state or country:

\* Please specify your entity type:

- ☐ Micro enterprise (<10 employees)
- ☐ Small enterprise (<50 employees)
- ☐ Medium-sized enterprise (<250 employees)
- ☐ Large company (>250 employees)
- ☐ Cluster organisation
- ☐ Association
- ☐ University / Research & Technology Organisation
- ☐ Other

\* In which of the following sectors / industrial ecosystem is your Company / Organisation / Cluster active in?

- ☐ Aerospace and Defence
- ☐ Agri-food
- ☐ Construction
- ☐ Cultural and Creative Industries



# Antonio Novo

Team Member, European Cluster Collaboration Platform  
President, European Clusters Alliance



# Identification of disruptions on supply and value chains

Global charts and figures







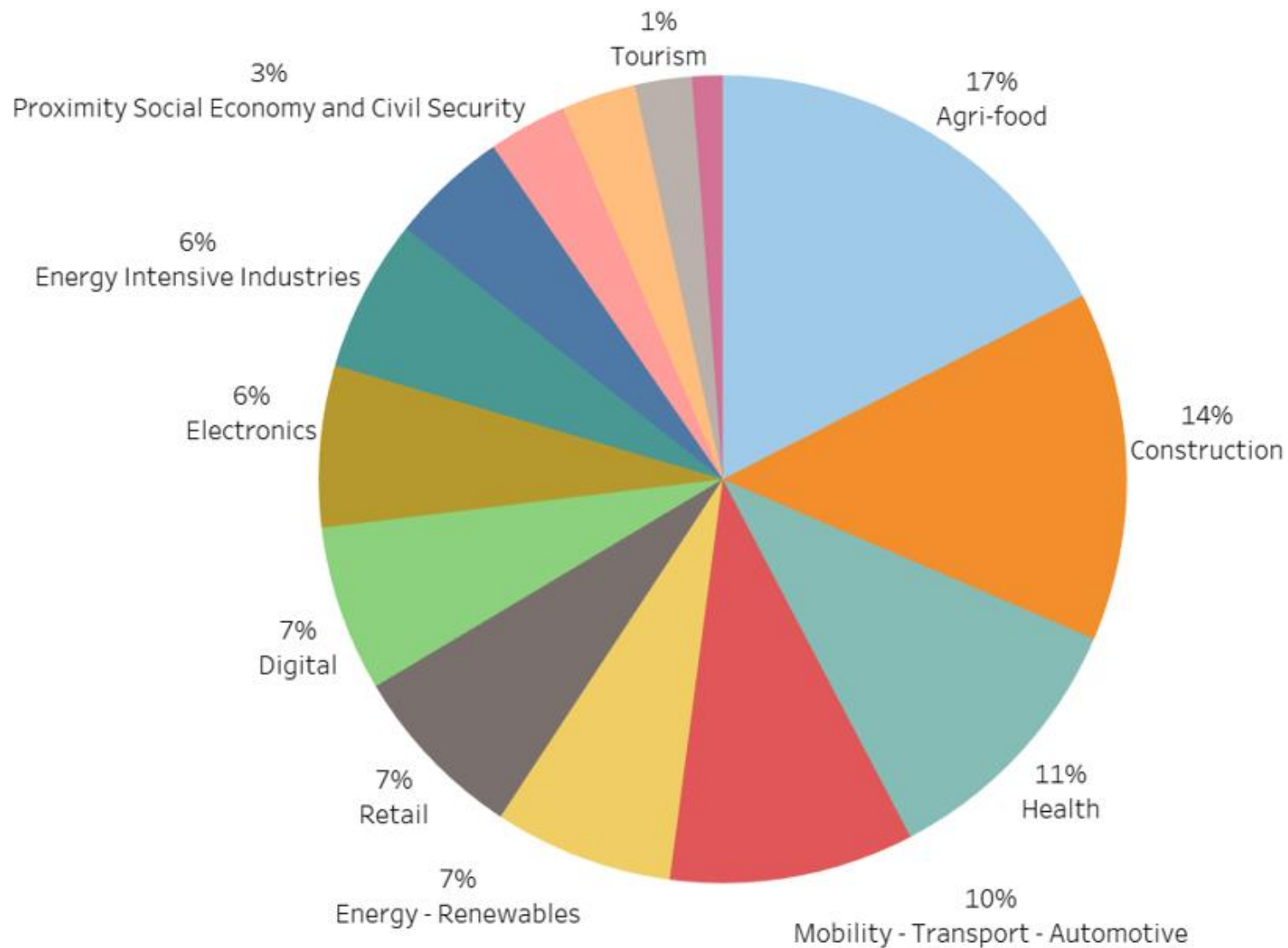
## Keywords groups for disruptions - global

medical supplies agri-food materials  
displaced workers  
metals oil energy  
wood raw materials  
electronic components  
financing logistics  
construction materials

|                        |     |
|------------------------|-----|
| logistics              | 296 |
| energy                 | 226 |
| raw materials          | 188 |
| metals                 | 142 |
| financing              | 94  |
| agri-food materials    | 63  |
| wood                   | 49  |
| electronic components  | 40  |
| oil                    | 20  |
| displaced workers      | 15  |
| construction materials | 15  |
| medical supplies       | 14  |

## Disruptions reported by Industrial Ecosystem

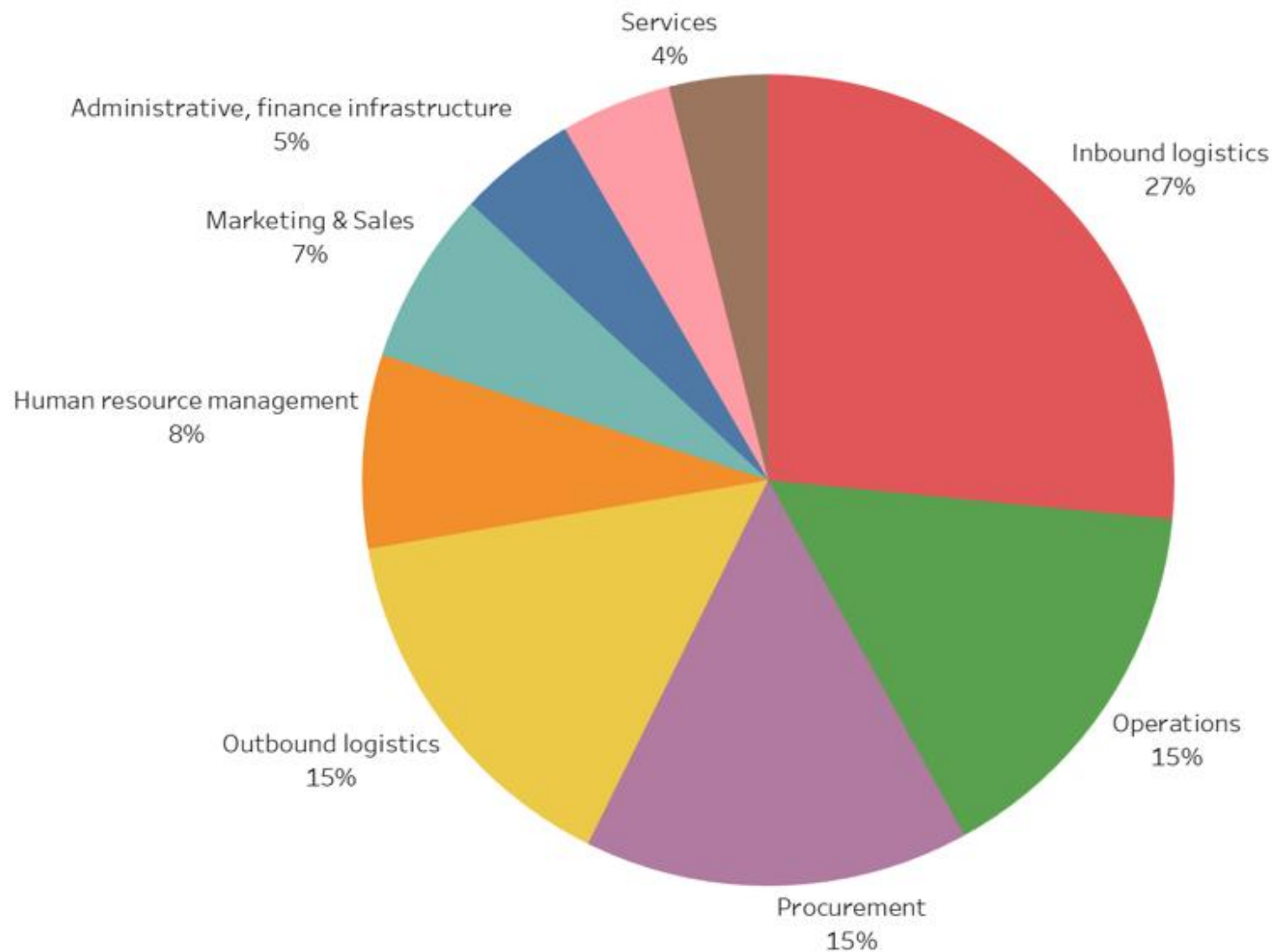
| Industrial Ecosystem            | %     |     |
|---------------------------------|-------|-----|
| Aerospace and Defence           | 4,7%  | 27  |
| Agri-food                       | 17,5% | 100 |
| Construction                    | 14,0% | 80  |
| Cultural and Creative Industr.. | 3,0%  | 17  |
| Digital                         | 6,6%  | 38  |
| Electronics                     | 6,5%  | 37  |
| Energy - Renewables             | 7,2%  | 41  |
| Energy Intensive Industries     | 6,1%  | 35  |
| Health                          | 10,8% | 62  |
| Mobility - Transport - Autom..  | 9,8%  | 56  |
| Proximity Social Economy an..   | 3,1%  | 18  |
| Retail                          | 7,2%  | 41  |
| Textile                         | 2,3%  | 13  |
| Tourism                         | 1,2%  | 7   |



# Keywords groups by ecosystem

| Industrial Ecosystems  |           |           |            |             |         |             |             |            |        |             |            |        |         |         |
|------------------------|-----------|-----------|------------|-------------|---------|-------------|-------------|------------|--------|-------------|------------|--------|---------|---------|
| Keyword_group          | Aerospa.. | Agri-food | Construc.. | Cultural .. | Digital | Electroni.. | Energy - .. | Energy I.. | Health | Mobility .. | Proximit.. | Retail | Textile | Tourism |
| logistics              | 12        | 38        | 33         | 5           | 12      | 23          | 20          | 19         | 31     | 27          | 10         | 30     | 7       | 6       |
| energy                 | 3         | 27        | 41         | 1           | 11      | 7           | 32          | 23         | 15     | 24          | 7          | 6      | 3       | 5       |
| raw materials          | 10        | 21        | 18         | 2           | 14      | 11          | 12          | 15         | 22     | 23          | 5          | 8      | 2       | 2       |
| metals                 | 6         | 13        | 41         |             | 5       | 5           | 20          | 9          | 7      | 13          | 7          | 2      |         | 3       |
| financing              | 1         | 6         | 14         | 2           | 8       | 7           | 13          | 10         | 8      | 8           | 1          | 3      | 1       | 3       |
| agri-food materials    | 2         | 31        | 2          | 1           | 3       | 3           | 3           | 3          | 1      | 4           | 4          |        | 1       | 2       |
| wood                   |           | 3         | 12         | 2           | 1       | 1           | 2           | 13         | 2      | 2           | 2          | 1      |         | 1       |
| electronic components  | 6         |           |            |             | 4       | 9           | 6           |            | 8      | 3           |            | 1      |         |         |
| oil                    |           | 15        | 1          |             |         |             |             | 1          |        |             |            | 2      |         |         |
| construction materials |           | 1         | 9          |             |         |             | 1           | 1          | 2      | 1           |            |        |         |         |
| medical supplies       | 1         | 2         |            |             |         |             | 1           | 1          | 8      | 1           |            |        |         |         |
| displaced workers      |           | 1         | 3          |             | 2       | 1           | 2           |            | 1      |             | 3          |        | 1       |         |
| Grand Total            | 41        | 158       | 174        | 13          | 60      | 67          | 112         | 95         | 105    | 106         | 39         | 53     | 15      | 22      |

## Disruptions reported by supply chain Stage





| Supply value chains stage (Stages)     | Type of entity (group) |                         |                         | Grand Total |
|--|------------------------|-------------------------|-------------------------|-------------|
|  | Large company          | Medium-sized enterprise | Micro+Small enterprises |             |
| Administrative, finance infrastructure | 2%                     | 1%                      | 2%                      | 4%          |
| Human resource management              | 2%                     | 2%                      | 3%                      | 7%          |
| Inbound logistics                      | 9%                     | 8%                      | 11%                     | 28%         |
| Marketing & Sales                      | 2%                     | 2%                      | 3%                      | 7%          |
| Operations                             | 5%                     | 4%                      | 6%                      | 15%         |
| Outbound logistics                     | 5%                     | 4%                      | 7%                      | 16%         |
| Procurement                            | 7%                     | 5%                      | 4%                      | 16%         |
| Research and development               | 1%                     | 1%                      | 2%                      | 4%          |
| Services                               | 1%                     | 0%                      | 2%                      | 3%          |

# Loss of input by criticality level, keyword group & firm size

| Keyword group          | Loss of input criticality / Type of entity (grouped) |                   |                   |               |                   |                   |               |                   |                   |
|------------------------|--|-------------------|-------------------|---------------|-------------------|-------------------|---------------|-------------------|-------------------|
|                        | High   |                   |                   | Medium        |                   |                   | Low           |                   |                   |
|                        | Large company  | Medium-sized ent. | Micro+Sm all ent. | Large company | Medium-sized ent. | Micro+Sm all ent. | Large company | Medium-sized ent. | Micro+Sm all ent. |
| logistics              | 7,66%  | 3,92%             | 4,10%             | 4,28%         | 2,14%             | 5,17%             | 0,71%         | 1,78%             | 0,18%             |
| energy                 | 4,46%  | 4,99%             | 3,74%             | 4,28%         | 0,36%             | 3,03%             | 0,53%         | 0,71%             | 0,18%             |
| raw materials          | 3,21%  | 1,78%             | 3,74%             | 0,89%         | 0,71%             | 1,07%             | 0,89%         | 0,89%             |                   |
| metals                 | 1,78%  | 2,67%             | 5,53%             | 0,18%         |                   | 1,07%             |               |                   |                   |
| financing              | 2,14%  | 2,14%             | 1,07%             | 0,89%         | 0,18%             | 0,18%             | 0,18%         | 0,18%             | 0,36%             |
| agri-food materials    | 2,85%  | 0,71%             | 0,71%             | 0,36%         |                   |                   |               |                   |                   |
| oil                    | 0,71%  | 1,60%             | 0,18%             |               |                   |                   |               |                   |                   |
| electronic components  | 1,43%  | 0,18%             | 0,36%             | 0,18%         |                   | 0,18%             |               |                   |                   |
| medical supplies       | 0,71%  | 0,89%             |                   |               |                   | 0,18%             | 0,18%         |                   |                   |
| wood                   | 0,18%  | 1,07%             | 0,36%             |               | 0,18%             |                   |               |                   | 0,18%             |
| construction materials | 0,18%  | 0,89%             | 0,53%             |               |                   |                   | 0,18%         |                   |                   |
| displaced workers      | 0,53%  |                   | 0,18%             |               |                   |                   | 0,18%         |                   |                   |
| Grand Total            | 25,85%   | 20,86%            | 20,50%            | 11,05%        | 3,57%             | 10,87%            | 2,85%         | 3,57%             | 0,89%             |

# Loss of market by criticality level, keyword group & firm size

| Keyword group          | Loss of market criticality / Type of entity (grouped) |                   |                   |               |                   |                   |               |                   |                   |
|------------------------|---|-------------------|-------------------|---------------|-------------------|-------------------|---------------|-------------------|-------------------|
|                        | High  |                   |                   | Medium        |                   |                   | Low           |                   |                   |
|                        | Large company   | Medium-sized ent. | Micro+Sm all ent. | Large company | Medium-sized ent. | Micro+Sm all ent. | Large company | Medium-sized ent. | Micro+Sm all ent. |
| logistics              | 4,8%  | 2,1%              | 2,1%              | 4,5%          | 2,5%              | 4,8%              | 3,4%          | 3,2%              | 2,5%              |
| energy                 | 3,9%  | 3,7%              | 2,0%              | 5,0%          | 0,9%              | 3,9%              | 0,4%          | 1,4%              | 1,1%              |
| raw materials          | 2,1%  | 1,1%              | 3,2%              | 2,0%          | 0,9%              | 1,1%              | 0,9%          | 1,4%              | 0,5%              |
| metals                 | 1,2%  | 1,2%              | 5,0%              | 0,7%          | 1,1%              | 1,1%              |               | 0,4%              | 0,5%              |
| financing              | 1,4%  | 1,1%              | 0,4%              | 1,6%          | 0,7%              | 0,7%              | 0,2%          | 0,7%              | 0,5%              |
| agri-food materials    | 2,9%  | 0,5%              | 0,7%              |               | 0,2%              |                   | 0,4%          |                   |                   |
| wood                   | 0,2%  | 0,9%              | 0,4%              |               | 0,4%              |                   |               |                   | 0,2%              |
| electronic components  | 0,4%  |                   |                   | 0,2%          |                   | 0,5%              | 1,1%          | 0,2%              |                   |
| oil                    | 0,7%  | 1,1%              | 0,2%              |               | 0,4%              |                   |               | 0,2%              |                   |
| medical supplies       | 0,7%  | 0,9%              |                   |               |                   |                   | 0,2%          |                   | 0,2%              |
| construction materials | 0,2%  | 0,9%              | 0,5%              |               |                   |                   | 0,2%          |                   |                   |
| displaced workers      | 0,2%  |                   | 0,2%              | 0,4%          |                   |                   | 0,2%          |                   |                   |
| Grand Total            | 18,7%   | 13,5%             | 14,6%             | 14,3%         | 7,0%              | 12,1%             | 6,8%          | 7,5%              | 5,5%              |

# Criticality of the loss of input / market

| % Input loss |     | % Market loss |     |
|--------------|-----|---------------|-----|
| High         | 47% | High          | 34% |
| Medium       | 38% | Medium        | 38% |
| Low          | 15% | Low           | 28% |

## Input / Market losses

| Loss of input criticality | Loss of market criticality |        |     | Grand To.. |
|---------------------------|----------------------------|--------|-----|------------|
|                           | High                       | Medium | Low |            |
| High                      | 32%                        | 12%    | 3%  | 47%        |
| Medium                    | 2%                         | 25%    | 11% | 38%        |
| Low                       | 1%                         | 1%     | 13% | 15%        |
| Grand Total               | 34%                        | 38%    | 28% | 100%       |





**Daniel Cosnita**

**Team Member, European Cluster Collaboration Platform  
President, CLUSTERO**



# Transylvanian Clusters International Week 2022

In a nutshell...

# Transylvanian Clusters International Week

- Organised by the Northern Transylvanian Clusters Consortium
- 1st edition (2015): Romanian Cluster Conference
- 3rd edition (2017): Open Innovation 2.0 DG Connect
- 5th edition (2019): 1200 participants
- Conference, B2B/C2C





# Transylvanian Clusters International Week

- 17-20 June, Innovation Camp
- 20 June, Open Labs
- 21 June: ReStart SMEs
- 22 June: Plenary, C2Lab
- 23 June: C2Lab, Workshop Food Losses & Waist
- 24 June: Conclusions

<https://events.transylvanianclusters.ro/>



POWERED BY



Northern  
Transylvania  
Clusters  
Consortium

CLUSTERS' SOLUTION:  
**SUSTAINABLE  
BUSINESS  
PERFORMANCE**



JUNE 17-24, 2022  
7<sup>th</sup> edition



# Cluj-Napoca

- Largest city in Transylvania (over 400,000 inhabitants)
- 2nd economic & financial centre of Romania (after Bucharest)
- Romanian Silicon Valey
- Major university city (Babes Bolyai best placed RO university at international level)
- 4 gold, 1 silver cluster, 3 bronze clusters
- Transylvania International Film Festival, UNTOLD





# Travelling to Cluj-Napoca

- International Airport (Bucharest, Paris, Munich, Istanbul, Berlin, Rome, London, Warsaw, Madrid)
- Uber, Bolt, Taxi
- Hotel Stil, pre-booked rooms until 13 June, [Hotel Stil - Profitroom Booking Engine](#)
- Cluj Innovation Park, Str. Valea Chintăului nr. 1, Cluj-Napoca 400227
- No covid restrictions



# Your Questions



[c2lab@clustercollaboration.eu](mailto:c2lab@clustercollaboration.eu)

[www.clustercollaboration.eu/events/  
organised-by-eccp](http://www.clustercollaboration.eu/events/organised-by-eccp)





# THANK YOU