

From the European Reference Network for
Critical Infrastructure Protection (**ERNICIP**)...

...to the European Network for Critical Entity
Resilience (**ENCER**)

CERIS-ERNICIP Event on Infrastructure Resilience

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Panel 3 - Infrastructure Resilience Research Perspective

- This panel aims to **share expertise and insights** on how research can address the gaps and needs identified during the two first sessions and support the implementation of the CER directive.
- Outline
 - General Introduction on moving from ERNCIP to ENCER
 - Discussion with 4 panellists on three topics
 - Dynamic and interactive discussion and Q&A with the audience



Video & Microphone OFF
(Online Audience only)



Q&A sessions:

- Microphones in the room
- Questions/comments via chat and to whom

ERNICIP – mission, activities & groups

- Improve **protection and resilience** of critical infrastructures in Europe.
- **Collaboration** with critical infrastructure stakeholders.
- Thematic groups (TGs) fostering the development of innovative and competitive **security solutions**.
- Workshops, trainings and webinars to improve **dissemination** and raise **awareness**.



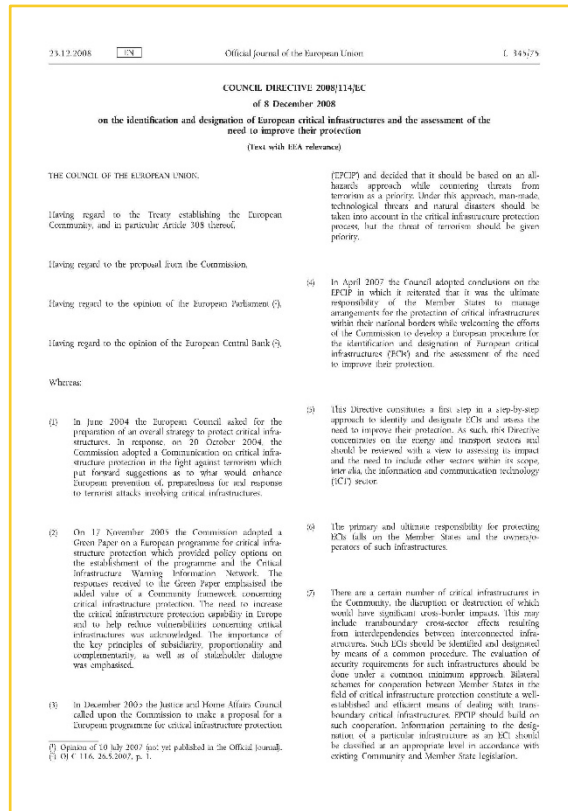
ERNICIP – stakeholders & deliverables



- **Guidance and best practices** to infrastructure operators.
- **Recommendations for standardization and research** activities.
- **Recommendations for policy actions.**

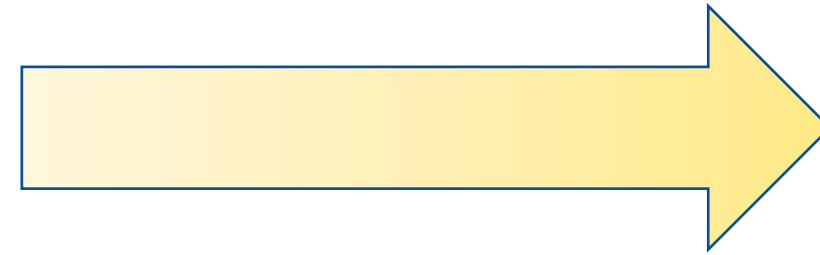
Paradigm shift

COUNCIL DIRECTIVE 2008/114/EC



Critical Infrastructures

Critical Entities



Protection

Resilience

- All Hazards & dynamic threats landscape
- Interdependencies & cross-border effects
- Coherent approach with NIS2
- Encourage the use of European and international standards
- Cross-border cooperation & communication
- Voluntary Information sharing
- Exchange of best practices
- Etc.

DIRECTIVE (EU) 2022/2557 & Delegated REGULATION (EU) 2023/2450



Forthcoming Directive Requirements

➤ October 2024

- Repeal of Directive 2008/114/EC
- Member States shall adopt and publish the measures necessary to comply with Directive 2022/2557

➤ 2026

- Competent authorities shall carry out a **risk assessment**
- Each Member State shall **identify the critical entities**

DG JRC Role

- Provide scientific support to the implementation of the CER Directive
- Creation of a pool of experts (ENCER) to
 - Support the implementation of the CER directive
 - ❖ common **risk assessment reporting template**
 - ❖ non-binding **guidelines and recommendations to identify CEs**
 - Support the provision of scientific advice to the CER group
 - Support the activities of the European Programme for Critical Infrastructure Protection (EPCIP)

For More Information



LinkedIn:



Website:



Newsletter:

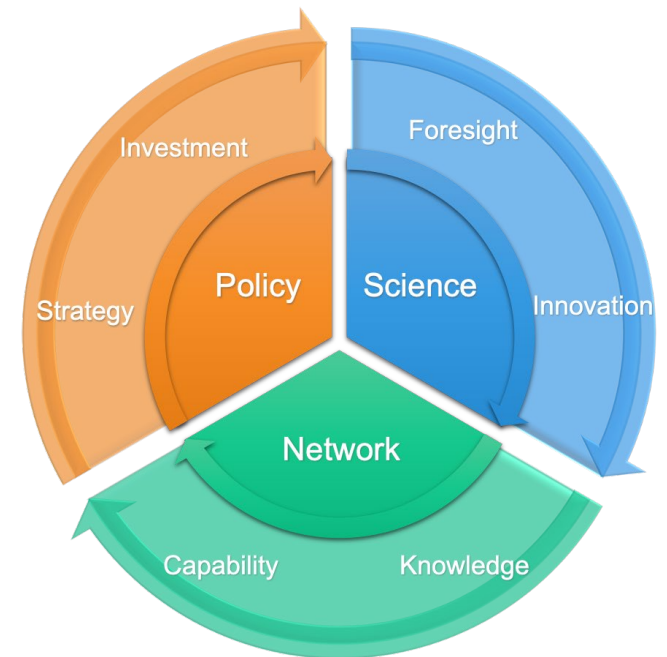


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Panel 3 – Infrastructure Resilience Research Perspective

- **4 panellists** - Thomas Maggos, Harri Toivonen, Rui Teixeira, and Aleksandar Jovanović
- **3 Topics** (15 min each)
 - ❖ Topic 1 – R&D to address research gaps and needs
 - ❖ Topic 2 – Leveraging existing capabilities
 - ❖ Topic 3 – Moving from ERNCIP to ENCER
- **For each topic:**
 - ❖ Dynamic and interactive discussion!
 - ❖ 10 min Q&A with participants



Topic 1 – Research Needs

- Support to CI stakeholders' needs?
- Research focus?
- Research priorities?
- Research as a service?

Topic 2 – Leveraging Existing Capabilities

- Existing projects / tools / capabilities?
- Complex systems?
- All hazards?
- INFRA process?

Topic 3 – from ERNCIP to ENCER

- ERNCIP lessons learned?
- ENCER members?
- ENCER role(s)?
- ENCER organization?