





ERNCIP background information

December 2012

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CONTEXT for ERNCIP I: The European Programme for Critical Infrastructure Protection (EPCIP)

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Measures designed to facilitate the implementation of EPCIP

- CIWIN
- CIP expert groups
- CIP information sharing
- Identification and analysis of interdependencies
- **ERN-CIP**

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Support for Member States concerning National Critical Infrastructure

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Contingency planning

↓

External dimension

↓

Accompanying financial measures

EU programme "Prevention, Preparedness and Consequence Management of Terrorism and other Security Related Risks" for the period 2007-2013

↓

Directive 2008/114/EC 8 December 2008

A procedure for the identification and designation of European Critical Infrastructures (ECI)

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CONTEXT for ERNCIP II:

The Security Industrial Policy

DG ENTR's Communication

DG ENTR's Mandate M/487 to CEN/CENELEC and ETSI
on Security Standards



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ERNCIP's mission is to foster the emergence of
innovative, qualified, efficient and competitive
security solutions, through networking of European
experimental capabilities



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European Commission

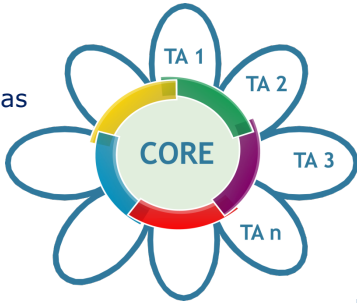
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ERNCIP Strategic Goals

- ❖ Improve the protection of critical infrastructure in the EU
- ❖ Support the development of the EU's single market for security
- ❖ Identify gaps in EU security product testing capabilities

Core Activities of ERNCIP

- ❖ Initiate and supervise Thematic Areas
- ❖ Develop and operate the ERNCIP Inventory



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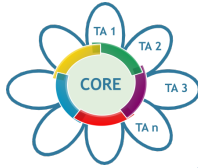
European Commission

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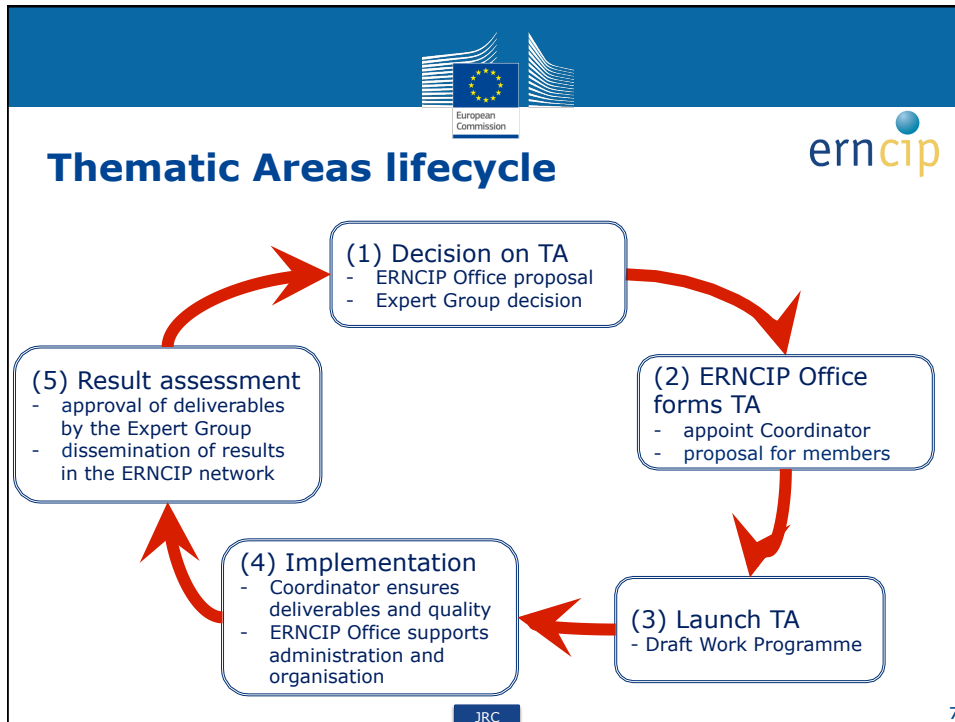
ERNCIP Thematic Areas



ERNCIP has initiated activity in several thematic areas, as identified by the ERNCIP sponsors, i.e. the European Commission and the Member States.

The work in these thematic areas is undertaken by specific thematic working groups, each led by a coordinator.



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| ERNCIP Thematic Groups | Coordinator | Meetings (as today) | Workplan |
|--|-------------------------------|---------------------|-----------------|
| Aviation Security Detection Equipment | JRC, Geel, Belgium | 3 | Draft available |
| Explosives Detection Equipment (non-Aviation) | CEA, France | 2 | Draft available |
| Industrial Automated Control Systems and Smart Grids | CPNI, Netherlands | 4 | Draft available |
| Structural Resistance against Seismic Risks | JRC, Ispra, Italy | 1 | First Ideas |
| Resistance of Structures against Explosion effects | Fraunhofer-EMI, Germany | 3 | Draft available |
| Chemical & Biological Risks in the Water Sector | Austrian Environmental Agency | 3 | Draft available |
| Space Security | To be decided | | |
| Applied Biometric Identification | CAST, UK | 1 | First ideas |
| Video Analytics and Surveillance | CAST, UK | 1 | First ideas |
| Nuclear & Radiological Threats | STUK, FI | To be decided | |

ERNCIP counts more than 250 stakeholders

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Draft Objectives 2013-14 of some Thematic Groups I

Aviation Security Detection Equipment:
Assessing existing test methodologies for suitability for a future **EU certification system**; survey of test procedures used today; and review of state-of-the-art for explosive trace detection.

Explosives Detection Equipment for non-aviation contexts:
Defining EU needs for explosives detection for mass land transport, marine transport, large public events etc., analysis of available technologies, first elements of a European common test methodology for non-aviation contexts.

CB Risks in the Water Sector:
harmonizing test methods of **innovative and rapid alarm systems and screening techniques**, which make it possible to quickly identify a change of the drinking water quality after an incident

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Draft Objectives 2013-14 of some Thematic Groups II

Resistance of Structures against Explosions:

guidelines for harmonizing test procedures of structural elements, starting with **resistance of glass against far field blast** loading.

Industrial Automated Control Systems incl. Smartgrid:

Current priorities are to identify the barriers to certification and testing of IACS, including the analysis of existing cyber security testing facilities for **IACS and Smart Meter components**, and consideration of how to reduce the risks to cyber security from human factors.

Resistance of Structures against Seismic Risks:

common **qualification of research infrastructures** on earthquake engineering, including implementation and maintenance of a Distributed Database of test results

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ERNCIP Inventory



EUROPEAN COMMISSION
ERNCIP Inventory



European Reference Network for Critical Infrastructure Protection

The ERNCIP Inventory is a free-to-use search tool for open-source information on European security experimental and testing facilities. The system stores detailed profiles of laboratories which have capabilities in the field of Critical Infrastructure Protection.

The ERNCIP Inventory is open to searching by any stakeholder interested in Critical Infrastructure Protection, such as:

- ✓ Governments
- ✓ Critical Infrastructure Operators
- ✓ Research Centers
- ✓ Universities
- ✓ Manufacturers

who could use it to find solutions to security problems, business partners, contractors, or consultancy.

Do you represent a laboratory located in EU or an associated country which has experimental or test capabilities in the field of CIP?

laboratory your profile

The Inventory is a **search tool** with information about European facilities with **CIP related capabilities**

Access for Searching

E-mail:

oX78GN

Code:

Accept the Terms of Use

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Users of the Inventory

Who is in the Inventory?

Experimental Facilities working

- ❖ in the European Union or associated countries
- ❖ in any CIP field

What is in the Inventory?

The profiles contain information about:

- ❖ basic information (name, address, homepage, etc.)
- ❖ contact persons
- ❖ services/experience/competencies/accreditations
- ❖ available equipment

European Water Laboratory, Belgium
EWL





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Users of the Inventory

Who will search the Inventory?

- ❖ Organisations looking for information about CIP facilities, e.g. governments, infrastructure operators, technology providers, universities
- ❖ The system will be accessible from both EU and non-EU users
- ❖ Only for CI stakeholders: a simple registration is needed for access



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Inventory timeline and availability

The system was launched in June 2012

Population targets:

| | |
|--------------------------|-------------|
| 100 facilities in | 2012 |
| 500 facilities in | 2013 |

including the Thematic Groups members

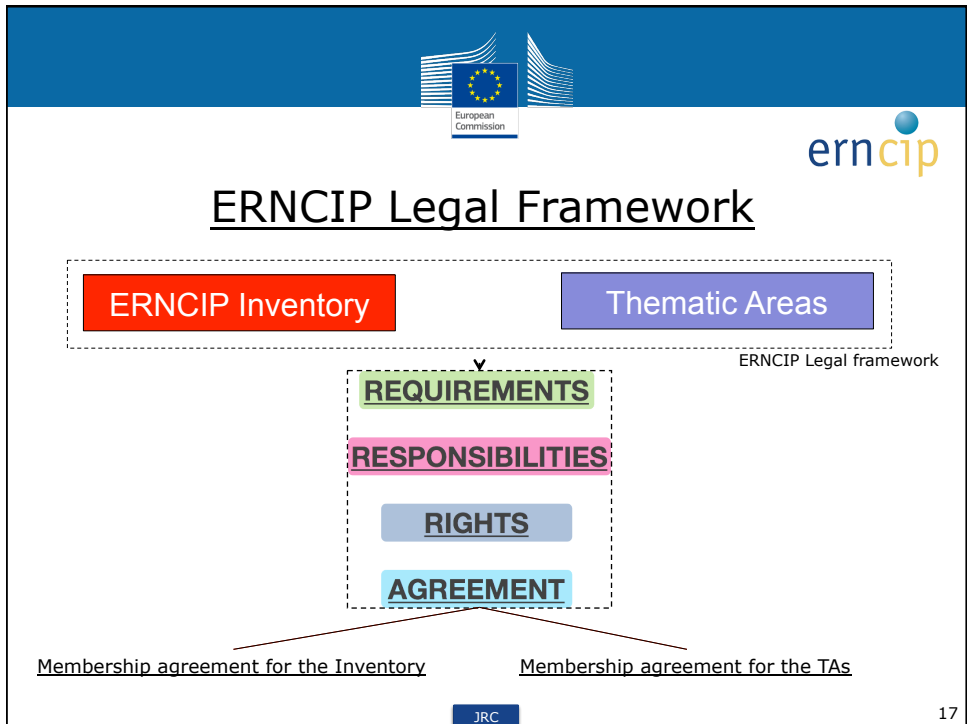
**Inventory counts
more than 70
members**

Link to the Inventory:
<https://encip.jrc.ec.europa.eu>



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- The slide is titled "NEXT STEPS" in large blue letters. It lists four key actions:
- Support CEN/CENELEC and ETSI in the second phase if Mandate M/487 for security standards
 - Play a strong role in the new EPCIP
 - Foster collaboration with the U.S./NIST
 - Prepare a Strategy for ERNCIP 2020
- At the bottom center, the JRC logo is present. The slide number "18" is in the bottom right corner.




ERNCIP 2020

ERNCIP is fully in line with at least 3 flagships of Europe 2020
(*Innovation, Industrial Policy, New Skills and Jobs*)

Support the pre-commercial procurement process in security

- » Technology assessment
- » Scenario-based process evaluation

Give a guide to manufacturers to obtain EU-wide certificates

Do more for labs

- » Experiments, benchmarks
- » Training

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ERNCIP WEBSITE

<http://ipsc.jrc.ec.europa.eu/?id=688>





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