

The European Reference Network for Critical Infrastructure Protection

ERNCIP

Adam LEWIS



ERNCIP Mission

To foster the emergence of innovative, qualified, efficient and competitive security solutions, through networking of European experimental capabilities



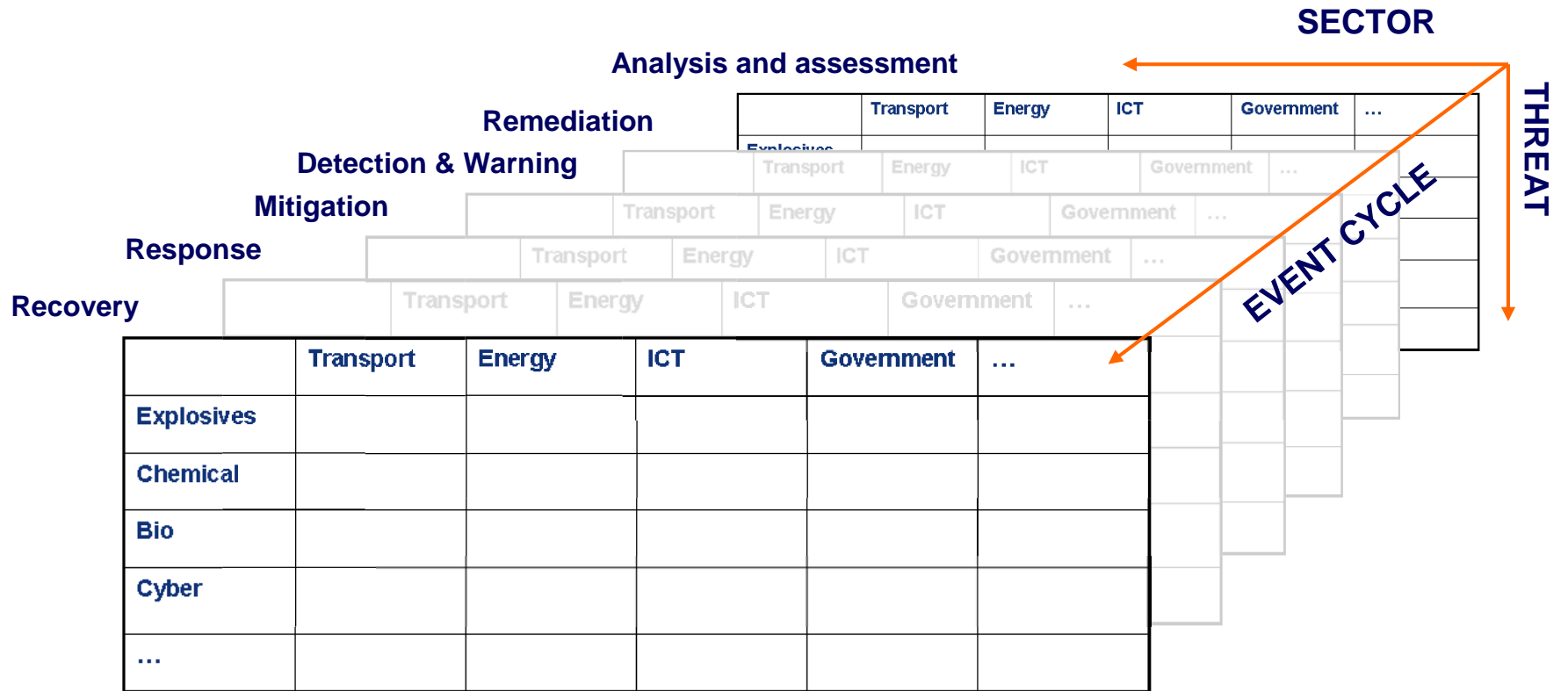
ERN-CIP Values

Derived from the close interaction with the Member States:

- ✓ Built around existing EU experimental capabilities
- ✓ Long-term & Sustainable
- ✓ Demand driven
- ✓ Strive for excellence
- ✓ Stimulate innovation
- ✓ Have a light structure

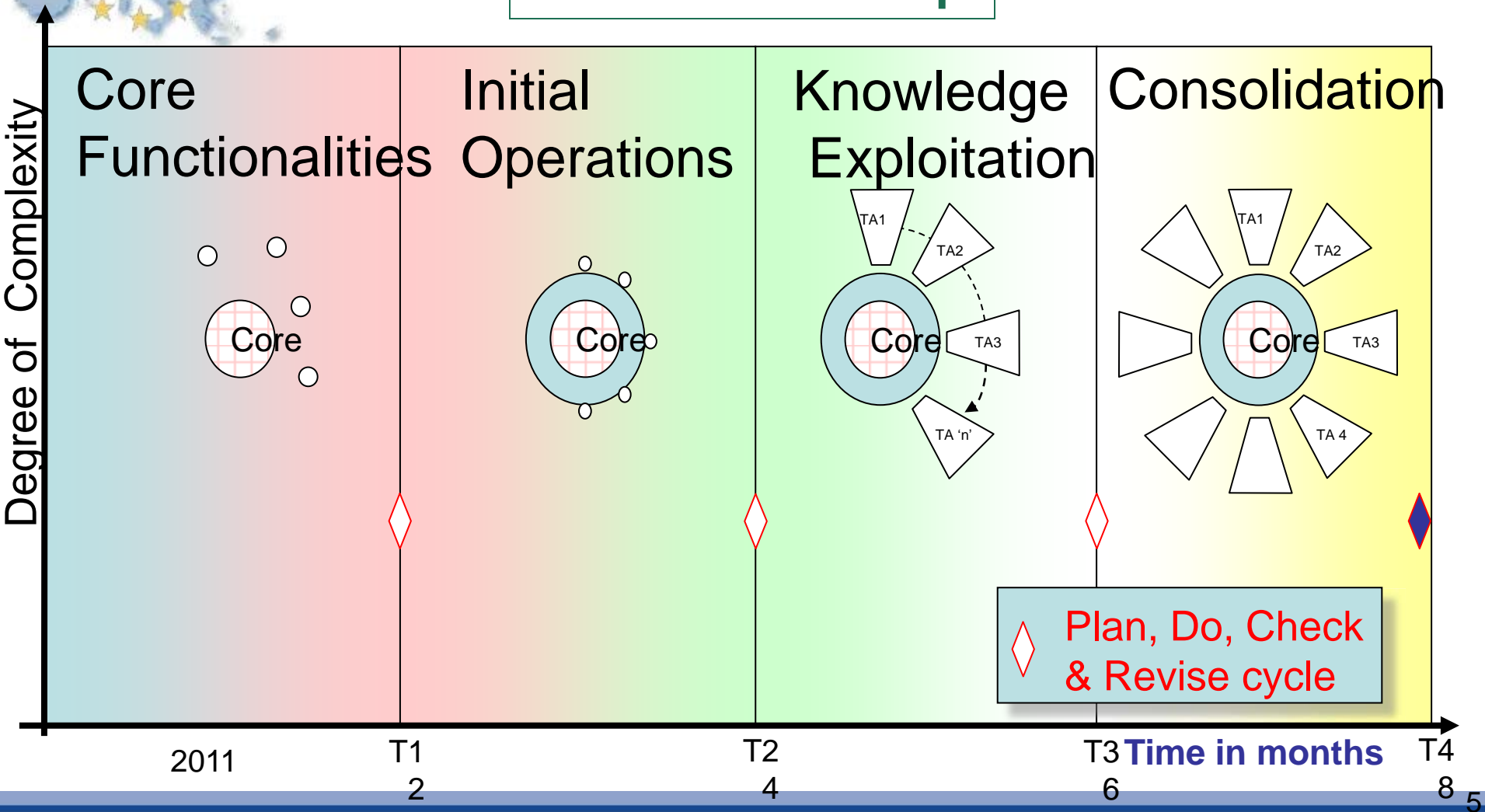


ERNCIP Working Space

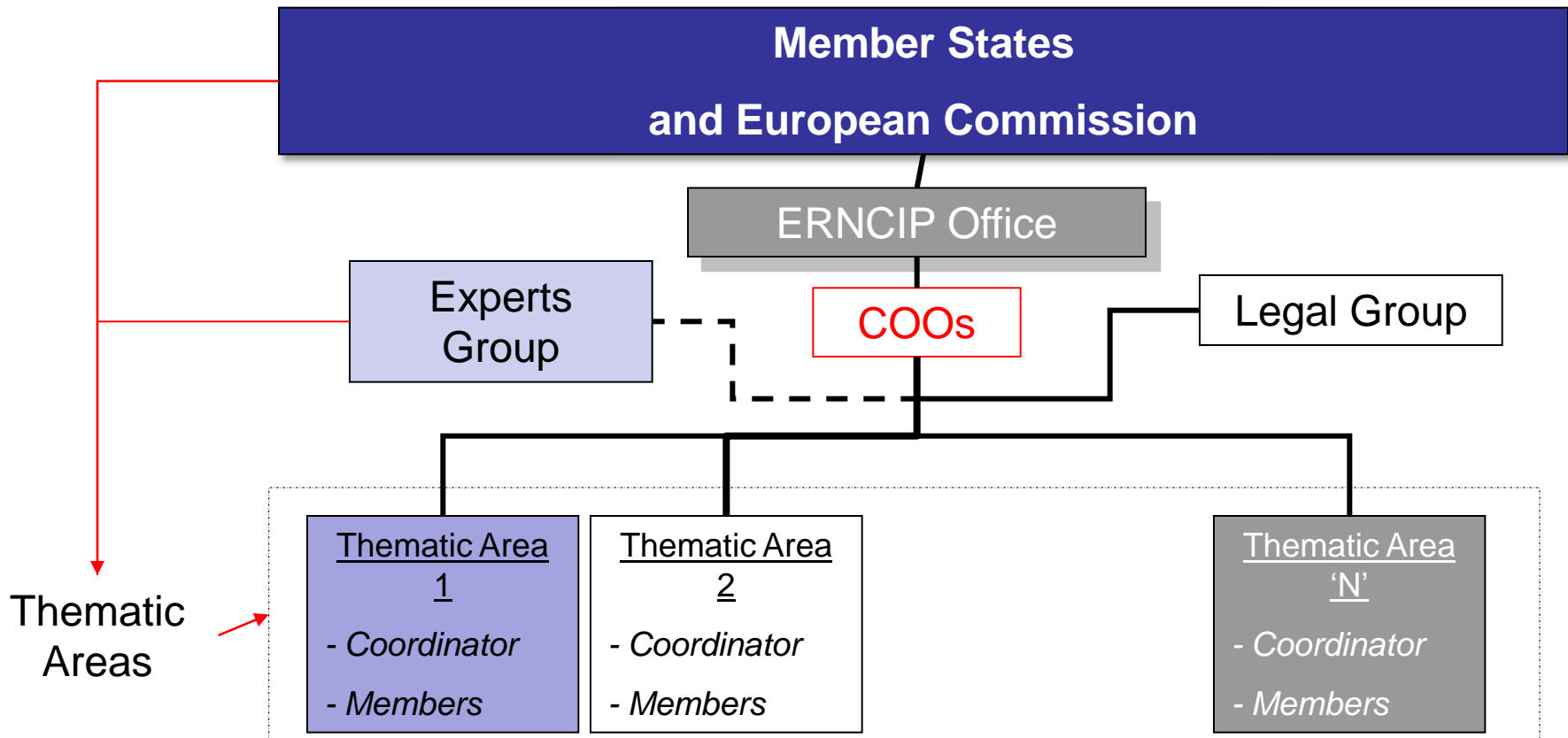




ERN-CIP Roadmap



TAs, COOs and ERNCIP Office



First Year - Core Functionalities

By end of Year 1 (2011)

- Set up first priority Thematic Groups
- Membership Agreement and Terms of Reference

- Set up Facilities Inventory
- Define regulations for membership

First Year –EXPERT GROUP MEMBERS

Czech Republic	Helena HANZLÍKOVÁ	Ministry of Interior of the
Denmark	Carsten HOLMFRED	Danish Security and Intelligence Service
France	Laurent OLMEDO	French Alternative Energies and Atomic Energy Commission
France		General Secretariat for Defense and National Security
Germany	Monika JOHN-KOCH	Federal Office of Civil Protection and Disaster Assistance
Hungary	Arpad KERESZTESY	National DG for Disaster Management
Italy	Sandro BOLOGNA	It. Association of Critical Infrastructures' Experts
Poland	Krzysztof ŁABA	National centre for research and development
Romania	Nicusor IONITA	Ministry of Administration and Interior
Sweden	Clas HERBRING	Swedish Civil Contingencies Agency
UK	Rhys WILLIAMS	Centre for the Protection of National Infrastructure

First Year –EXPERT GROUP WORK OUTCOMES

Two meetings held

17th March 2011

21st June 2011

- Agreement on **scope and objective of the inventory**
- Endorsement of the **Inventory High Level Design**

- Agreement on the **Thematic Areas 1st Year**
- Request for a **Thematic Area Mandate**
- Adoption of the Mandate

First Year –Thematic Area OBJECTIVES

Identification of Security Products/Solutions

The establishment of common test protocols

Harmonize Measurements

Explore possibility of EU- wide certification

Recommendations for Research & Investment



First Year –LEGAL GROUP

MEMBERS

France	Ann CAZAUBON	French Alternative Energies and Atomic Energy Commission
UK	Tony DUNNE	Government Procurement Service

FIRST MEETING

meeting held **20th September 2011**

- Discussion of the **Inventory Membership Agreement**
- Discussion of the **Inventory Terms of Use**
- Discussion of the **Thematic Areas Membership Agreement**



First Year –COORDINATOR GROUP MEMBERS

Aviation Security Detection Equipment	JRC-GEEL
Explosive Detection Equipment (non Aviation)	CEA
CIIP for SCADA and the Smartgrid	CPNI (NL)
Structural Resistance against Seismic Risks	JRC-ISPRA
Structural Resistance against Explosions	FRAUNHOFER - EMI
Chemical & Biological Risks in the Water Sector	Austria Environmental Agency
Space Security	JRC

First Year –COORDINATORS’ GROUP WORK OUTCOMES

Meetings held

26th September 2011

- Agreement on **scope and objectives of the Thematic Areas**
- Renaming** of Thematic areas
- Discussion on scope and outline of the
Thematic Areas Membership Agreement and Terms of Reference
- Discussion on the **Funding** for Coordinators

Coordinators may start putting together their groups



LEGAL DOCUMENTS

Under Preparation

Inventory Membership Agreement
Inventory Terms of Use

Thematic Areas Membership Agreement
Thematic Areas TORs

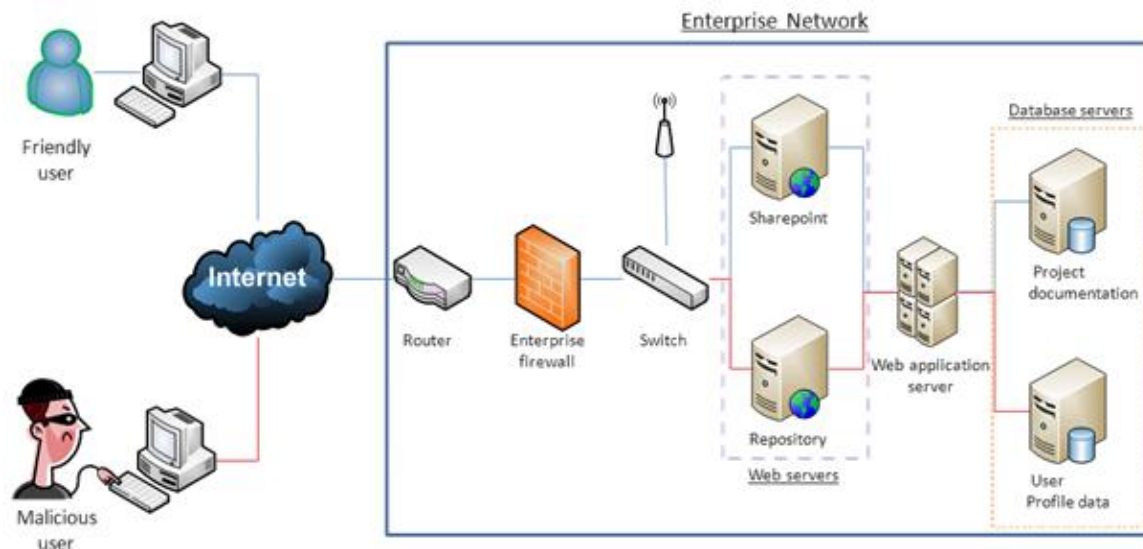
Related Codes of Conduct



ERN-CIP Inventory Development

- High Level Requirements document endorsed
- Questionnaire sent out – 16 responses
- Key User Group was set up
- Key Users visited by JRC staff – Requirements for inventory services collected

- Architectural design document prepared
- (will be distributed for comments)
- Developers team enlarged to 5 persons





Key User Group Members

Austria

Austrian Environmental Agency

France CEA

Germany

Fraunhofer
Amprion/UCTE

Hungary

VITUKI

Italy

AiIC Associazione Italiana
Esperti Infrastrutture Critiche
Enel Energy Spa

Netherlands TNO

Poland Military University of Technology

Romania

Ministry of Administration and Interior
National Research and Development
Institute for Industrial Ecology
(ECOIND)

Sweden

Swedish Defence Research Agency
(FOI)
Lindholmen Science Park (Chalmers
University of Technology)

United Kingdom

CAST
BRE

ERN-CIP NEXT STEPS

INVENTORY

- Inventory **software development** during autumn 2011
- Inventory **software testing** during January-February 2012
- First draft of high level requirements for **Inventory Services**

THEMATIC AREAS

- Some thematic areas may start operating by the end of the year

ERN-CIP TRUST WORKSHOP

- Planned for 29-30th November 2011

NEXT EXPERT GROUP MEETING IN JANUARY 2012

EUROPEAN REFERENCE NETWORK FOR CRITICAL INFRASTRUCTURE PROTECTION

Bucharest 27-28 Oct 2011 CIP Conference

First Year – LEAFLET & CONTACT

THE AIM

EU Reference Network for Critical Infrastructure Protection

ERNCIP

The Idea... ...Our Mission

CIP stakeholders can benefit from the increased availability and better networking of Europe's experimental facilities for testing the security of systems and components.

The ERNCIP network will foster the emergence of innovative, qualified, efficient and competitive security solutions, through networking of European experimental capabilities.

Key Objectives

To establish a European capability by networking the huge variety of testing expertise and resources across the EU, which can be used for improving the security of critical infrastructures.

To support the development of a single EU market for security products, by advancing a common labeling, decreasing the need for repeated certifications, and solving certification incompatibility.

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THE PROJECT

EU Reference Network for Critical Infrastructure Protection

ERNCIP

The four year ERNCIP project starts in 2011, after a preparatory phase in 2009-2010. It is funded by the Directorate General Home Affairs of the European Commission. The project is divided in four phases: it sets off with building the core functionalities of ERNCIP, followed by the start of operations and subsequent by generating and exploiting the knowledge within the network. The project ends with a consolidation phase that will lead to recommendations on ERNCIP structure. Key activities in the first phase include setting up the network's management structure and functions, developing a searchable inventory of European experimental facilities and laboratories and laying down the foundations of thematic areas.

NAOUMA KOURTI

Tel: +39 0332 786045

erncip

ipsc
Institute for the Protection and Security of the Citizens

JRC
EUROPEAN COMMISSION

Thematic Areas

The ERNCIP thematic areas are the core of the network. They are decided annually by the sponsors, i.e. the European Commission and the Member States. They may also emerge ad-hoc in the face of major societal challenges with impact to the EU's critical infrastructures. The ERNCIP office has the task to form the related thematic groups consisting of EU facilities and labs with proven expertise in the field addressed by the thematic area, and draft the Terms of Reference. Each thematic group will choose a coordinator and prepare their annual Work program. The coordinator will support the ERNCIP office in the administrative and organisational issues and will ensure the group deliverables and their quality.



Inventory of Labs

The searchable inventory of European experimental facilities and laboratories will provide a first overview of the security community in Europe. It is expected to support stakeholders looking for specific security experimental capabilities and will provide access to certified and accredited facilities and relative expertise.

How can I get Involved?

ERNCIP welcomes any stakeholder group who is involved in Critical Infrastructure Protection: government offices and agencies, CI operators, technology providers and particularly facilities and laboratories. If your organization is interested in sharing CIP related information, conduct CIP related test, experiments, develop certifications.

Contact

Naouma Kourti
European Commission, Joint Research Centre
Via E. Fermi 2749 - 21027 ISPRA (VA) Italy
Tel.: + 39 0332 78 6045
e-mail: naouma.kourti@jrc.ec.europa.eu

Email:
Naouma.Kourti@jrc.ec.europa.eu