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NEISAS - An Introduction

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A lot has been done for Critical Infrastructure Protection in Europe, but a lot more should be done

New challenges need to be addressed to foster and support a culture of sharing

A lot has been already done in EU...

- EUCIP now has overarching objectives, policy and financing support
 - CIP is on the map ...
 - Operators and National Governments are starting to move ...
- Information Sharing is already on the agenda
 - EU has proposed a legislation on Information Sharing
- EU has developed a prototype (CIWIN)
- Some Member States have developed National projects and have already fostered a trusted culture of sharing



...but we face new challenges

- EU needs to provide a specific **policy framework** / legal framework for IS
- Should develop International (USA, Japan, Australia, ...) IS relationships and multi agency approaches
- Develop a **Culture of Sharing and key “catalyst”**
- IS should start at both a **National and Sectoral** level
- A **coordinated approach** is required and the EU is the only party that could do it
- “Ignore” technology and **develop value drivers and informal expert communities**

The objective of NEISAS is to develop a National and European Information Sharing and Alerting System

NEISAS

Partners



- **Project Objective:**
 - Development of an Information Sharing Framework, a Model and a Pilot Platform for a National and European Information Sharing and Alerting System (based on the results of various EU funded projects)
 - Project in contract finalization stage (start up)

- **Activities:**
 - Analysis of the results of other European projects on this subject
 - Definition of a Framework model for Information Sharing and Alerts at a National and International level
 - Pilot software platform analysis, development and testing
 - Deployment of the Pilot Platform in UK, Italy, Netherlands
 - Analysis of Pilot results and Framework Model Fine-Tuning
 - Dissemination of project results

- **Preliminary Considerations:**
 - Government and operators do not have a clear understanding of their Information Sharing requirements
 - Comparing centralized vs distributed models there is not a winner: Information Sharing must reflect real social dynamics (blended approach)
 - Security must be properly balanced

Objective of the Project (from application form)

- NEISAS project objective:
 - The project objective is the development of a Model and a Pilot Platform for a National and European Information Sharing and Alerting System (now on referred as NEISAS).
 - This will be based on the results of various EU funded projects;
 - ✓ the Information Assurance Messaging Standard (Symantec),
 - ✓ the ENISA Study on a European Information Sharing and Alert System,
 - ✓ the ENISA Data Collection Framework Study and
 - ✓ the Availability and Robustness of Electronic Communications Infrastructures Study (aka ARECI)

Objective of the Project

- Focuses of NEISAS project:
 - Definition of a National Information Sharing and Alerting Model and System
 - Definition of an European Information Sharing and Alerting Model and System, conceived as an European Network of National Information Sharing and Alerting Systems
- Although the call is purely for a European model, we believe effective trusted information sharing cannot be created without providing a compatible National model.
- (not in application form) The model should be applicable to any region/country/sector
 - Interest from: Japan, United States, Turkey, UAE

Deliverables of the Project

- The project has three main deliverables:
 - Develop a NEISAS European Framework: this will also help all EU Member States to implement a National System or in case they already have one, to connect it to other Member States in a trusted way;
 - Develop a NEISAS Prototype: the project will develop a Software Platform starting from the existing WARP platform developed by UK Centre for the Protection of National Infrastructure (CPNI). The new software platform will be piloted in three Member States: Italy, Netherlands and UK and the results disseminated.
 - Develop a sustainable Business Model: through the creation of an Independent Body, to make NEISAS available to more Member States.

European Commission - Communication on Critical Information Infrastructure Protection



COMMISSION OF THE EUROPEAN COMMUNITIES

Brussels, XXXX
COM(2009)yyy

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN
PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL
COMMITTEE AND THE COMMITTEE OF THE REGIONS

on Critical Information Infrastructure Protection

"Protecting Europe from large scale cyber-attacks and disruptions: enhancing
preparedness, security and resilience"

{SEC(2009) }
{SEC(2009) }

- The Commission supports the development and deployment of a European Information Sharing and Alerting System (EISAS)
- EC financially supports two complementary prototyping projects: NEISAS and FISHA
- ENISA is called upon to take stock of the results of the two projects and other national initiatives and produce a roadmap

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