



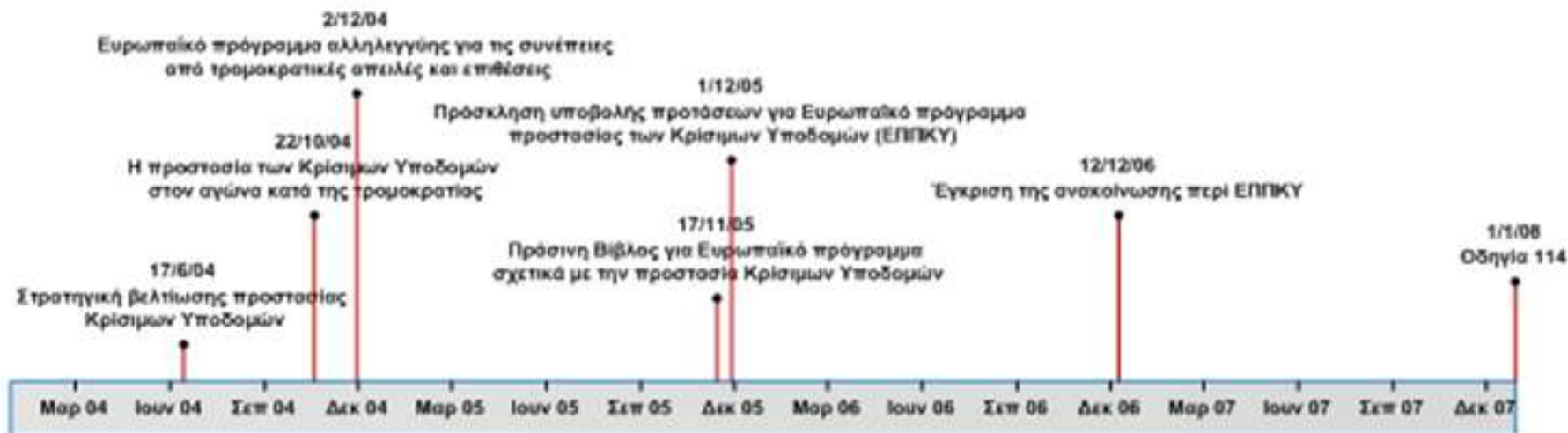
# National Priorities in Critical Infrastructure Protection

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**NCP for the European Programme for Critical Infrastructure Protection**

# Timeline of European Initiatives



2004

2008

- From 2010 onwards NCPs have held regular meetings
- CIWIN (Critical Infrastructure Warning Information Network)
- European Reference Network for Critical Infrastructure Protection (ERNCIP – JRC)



## Current Situation

- European Council Directive 114/2008 on the identification and designation of European critical infrastructures and the assessment of the need to improve their protection
- Center for Security Studies has been appointed as the National Contact Point (PD 39/2011)
- Identification of National Critical Infrastructures with European Dimension (in progress)



# Objectives – Desired Outcome

- Strengthen administrative and operational framework to protect critical assets.
  - Facilitate and improve collaboration between all involved organizations
  - Build solid regulatory framework
- Increase prevention, preparedness and response capabilities in case of abnormal events (man made/natural disasters/technological accidents).
  - Physical / Cyber Dimension
- Obtain high level of societal resilience and increase preparedness based on consistent risk assessment.
  - Minimize societal impact
  - Capitalize on lessons learned
  - Ensure lifelines resilience in case of attack



# Proposed Activities

- Build the National CIP “Magna Carta”
  - Recognition, designation (survey and mapping of critical assets) of National CI.
  - Organization of relative regular Workshops and specialised seminars
- Development of guidelines
  - Model / Reference Operator Security Plans for CI operators
  - Business Continuity Plans



# Proposed Activities

- Risk assessment framework

- Following comprehensive threat assessment and systematic vulnerability analysis
- Facility / Infrastructure level
- Nationally, which is distributed to CI operators
- Interconnected & Interdependent Infrastructures
- Real time risk monitoring using data from multiple and heterogeneous sources



# Proposed Activities

- Implement common platform for data exchange between stakeholders
  - Incident Reporting Mechanism
  - Data collection from heterogeneous sources (sensors, earth observations, intelligence)
  - Support risk assessment models
  - High operational value products and services (e.g. risk maps)



# Proposed Activities

- Implementation of Effective Cyber-Security Measures
  - Modeling of Complex Interconnected CI
  - Data Fusion tools for Fast Processing.
  - Adoption and implementation of ICT tools for the transmission and analysis of very large amounts of Data.
  - Development of DSS for Operational Situational Awareness and Response.
  - Implementation of Intelligent Cost and Performance effective Interoperable tools





# Proposed Activities

- Training courses
  - CI operators
  - Responders
  - Scientific Community
  
- Frequent Table Top and Real Time Exercises
  - Virtual Reality Tools
  - C2/C3/C4 based platforms
  - Performance monitoring



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