



Prevention, detection, response and mitigation of the combination of physical and cyber threats to the critical infrastructures.

CIP-01 Proposal

EUROPEAN CRITICAL INFRASTRUCTURES (ECI)

WATER SYSTEMS

ENERGY INFRASTRUCTURE (power plants and distribution)

TRANSPORT INFRASTRUCTURE AND MEANS OF TRANSPORTATION

COMMUNICATION INFRASTRUCTURE

HEALTH SERVICES

FINANCIAL SERVICES

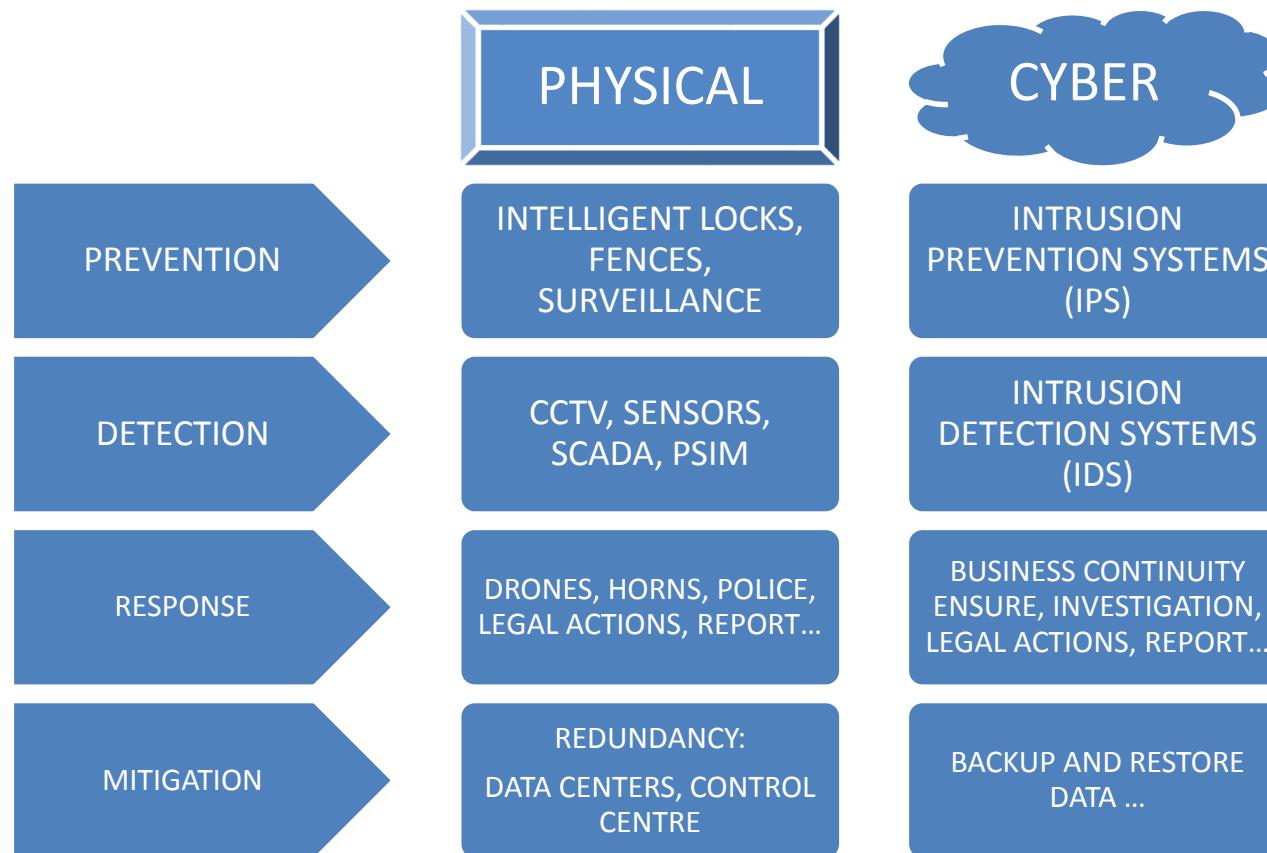
EUROPEAN CRITICAL INFRASTRUCTURES (ECI)



WATER SYSTEMS

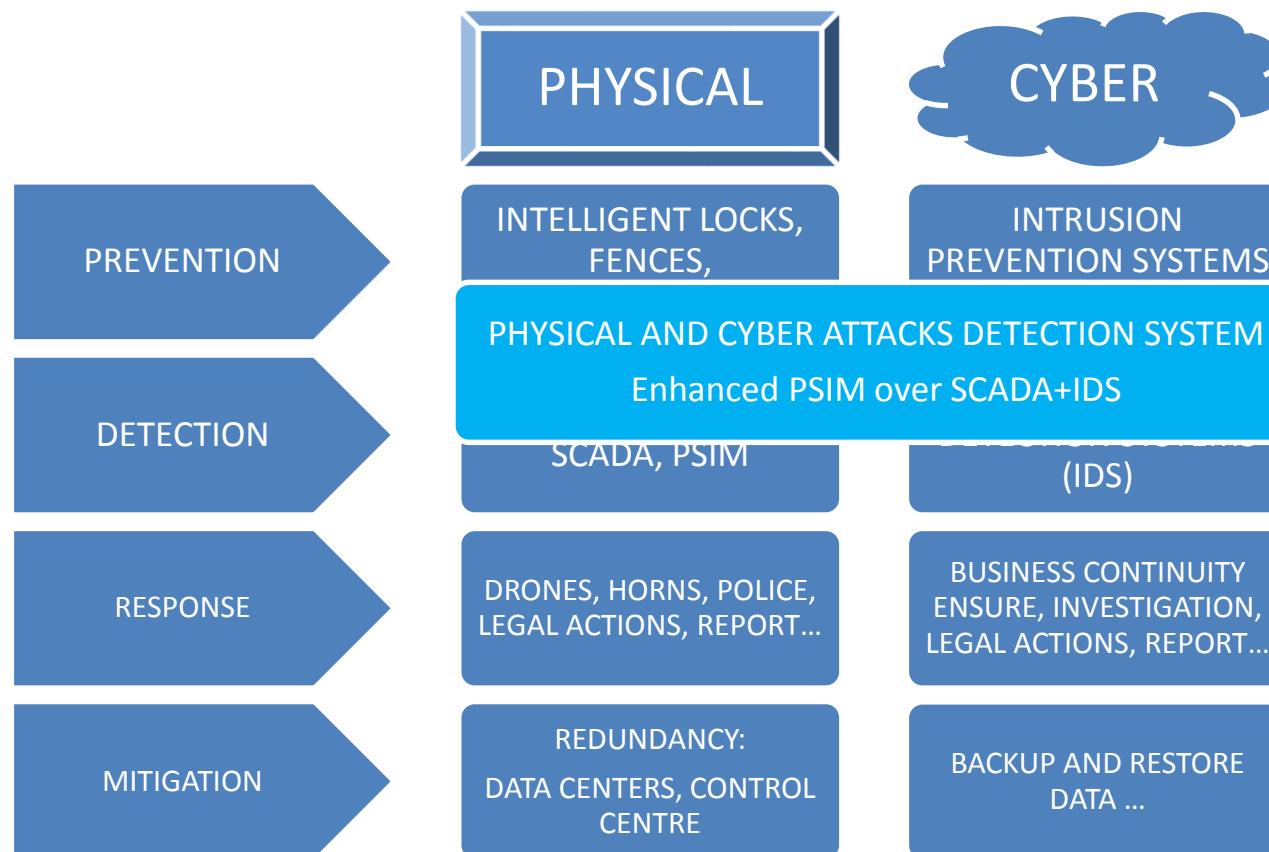
EUROPEAN CRITICAL INFRASTRUCTURES (ECI): WATER SYSTEMS.

Former situation: separated physical and cyber threats and actions



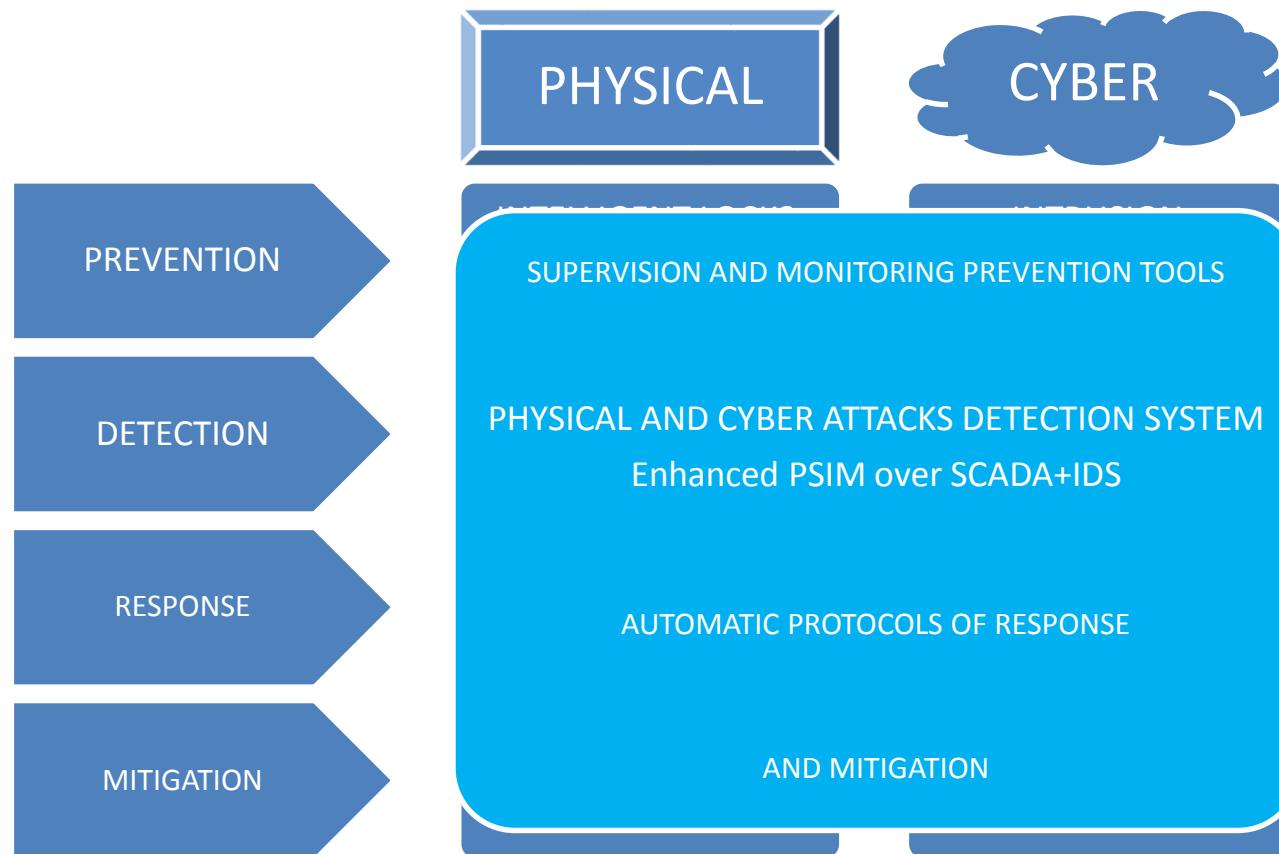
EUROPEAN CRITICAL INFRASTRUCTURES (ECI): WATER SYSTEMS.

Currently and future: combined physical and cyber threats and actions



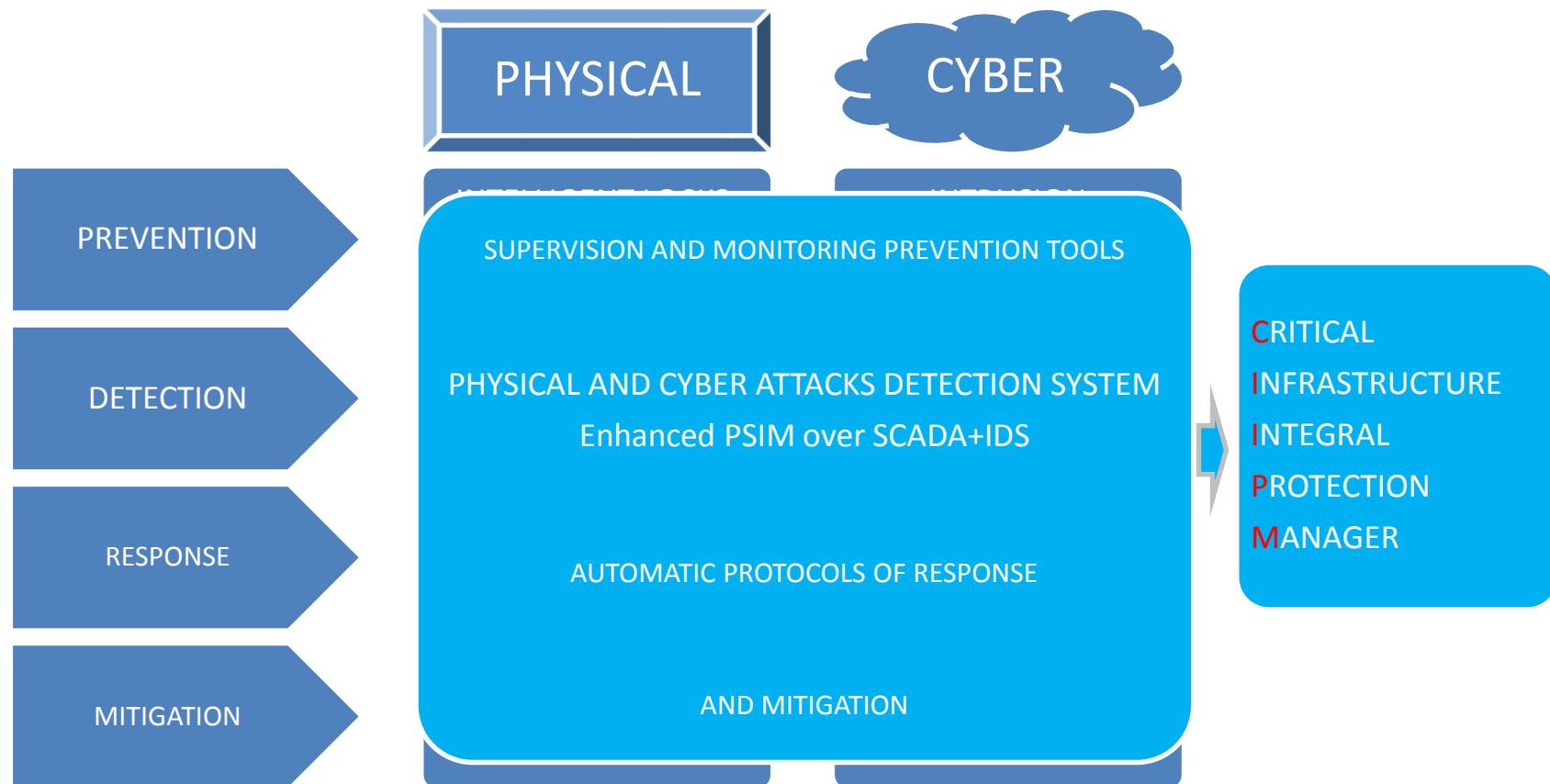
EUROPEAN CRITICAL INFRASTRUCTURES (ECI): WATER SYSTEMS.

Currently and future: combined physical and cyber threats and actions



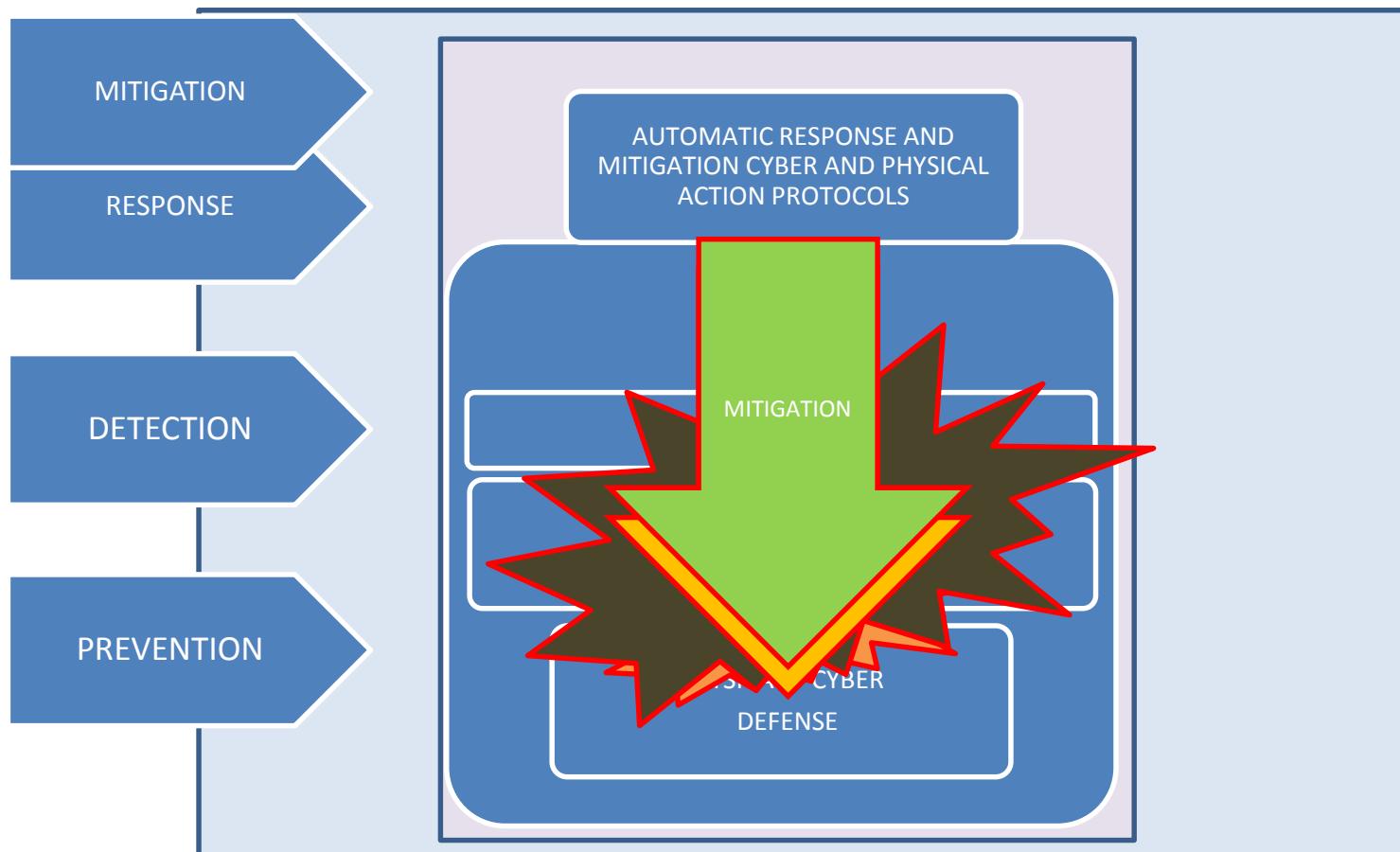
EUROPEAN CRITICAL INFRASTRUCTURES (ECI): WATER SYSTEMS.

Currently and future: combined management system

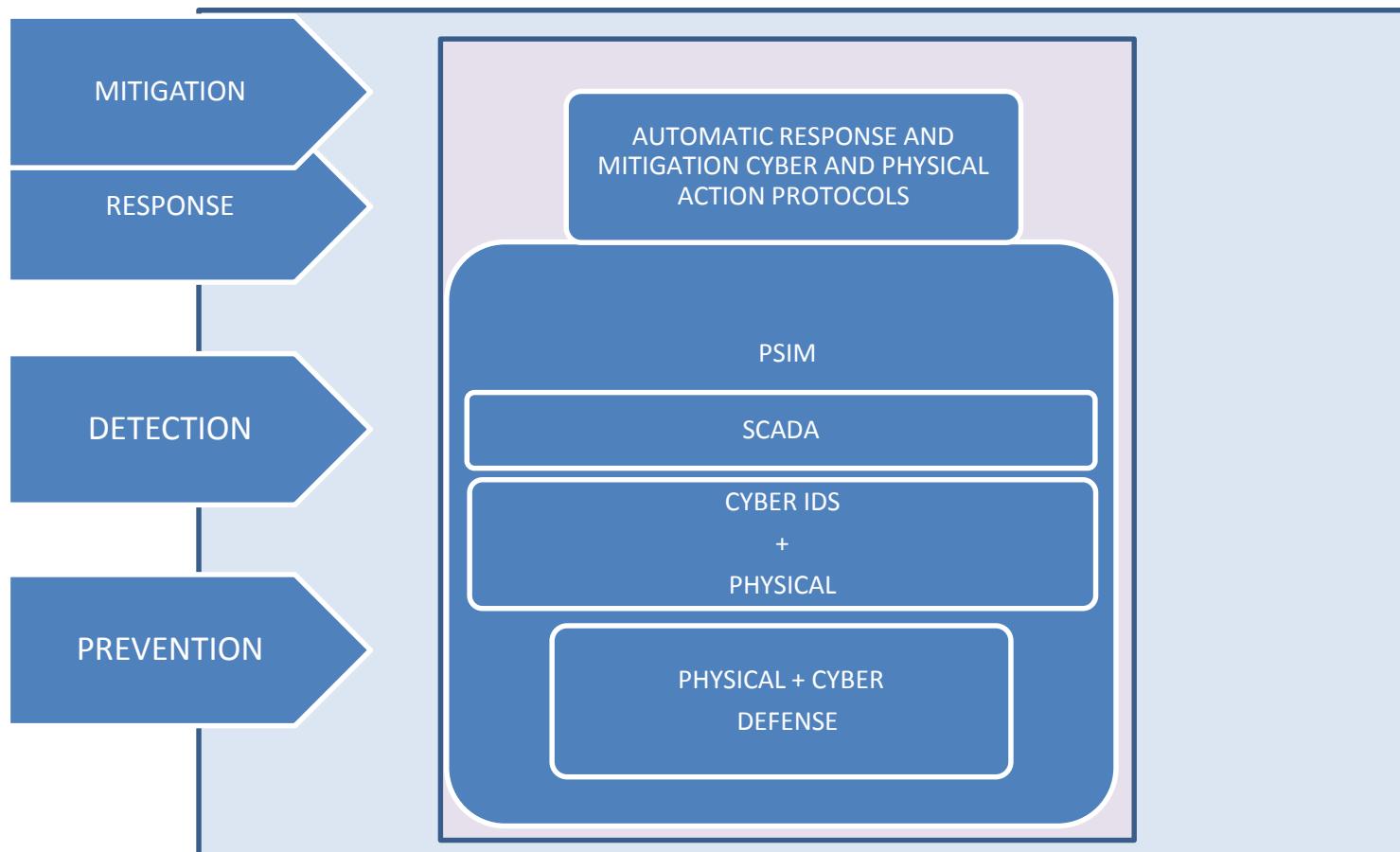


3. FUNCTIONAL SCHEME

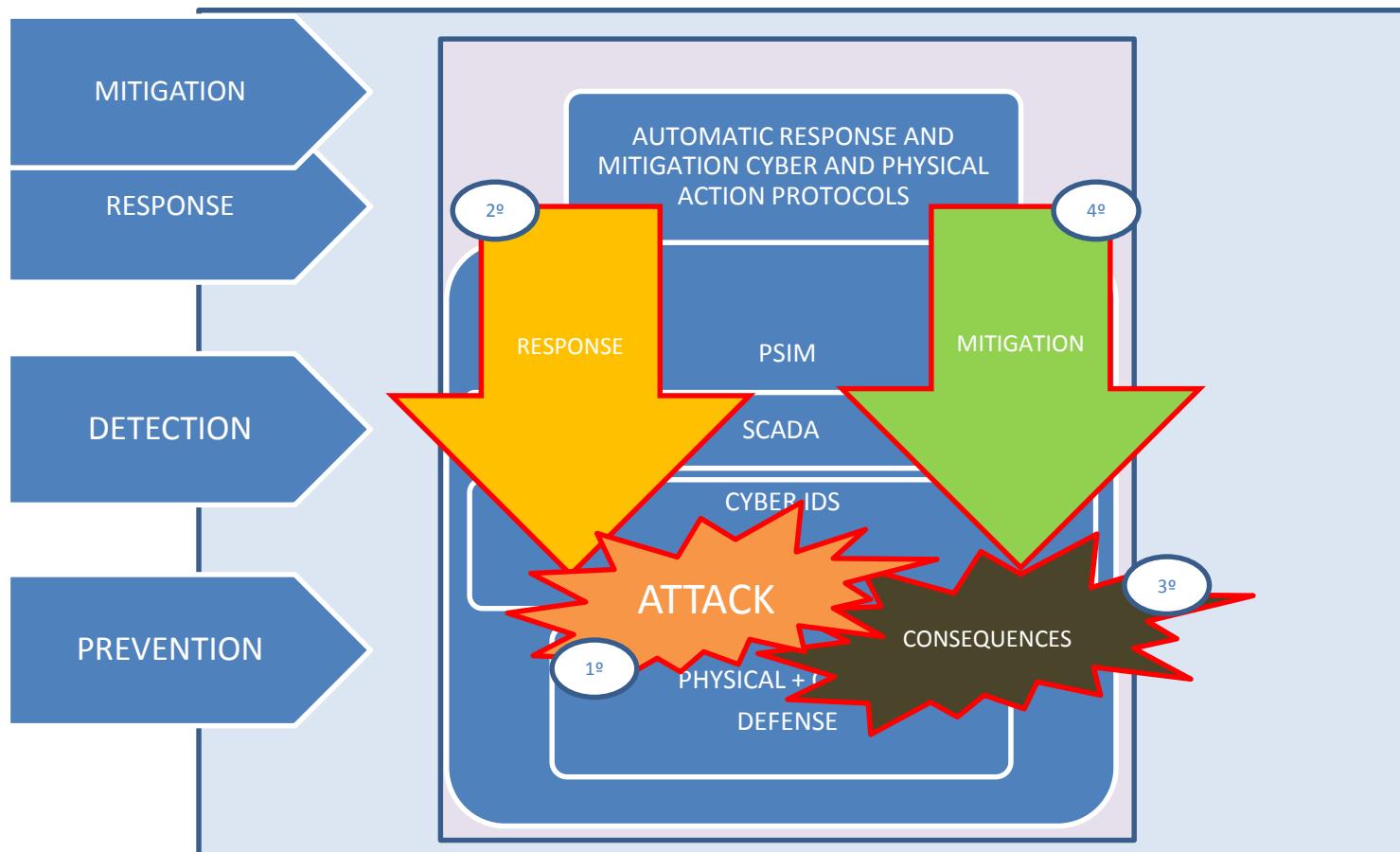
CRITICAL INFRASTRUCTURE INTEGRAL PROTECTION MANAGER



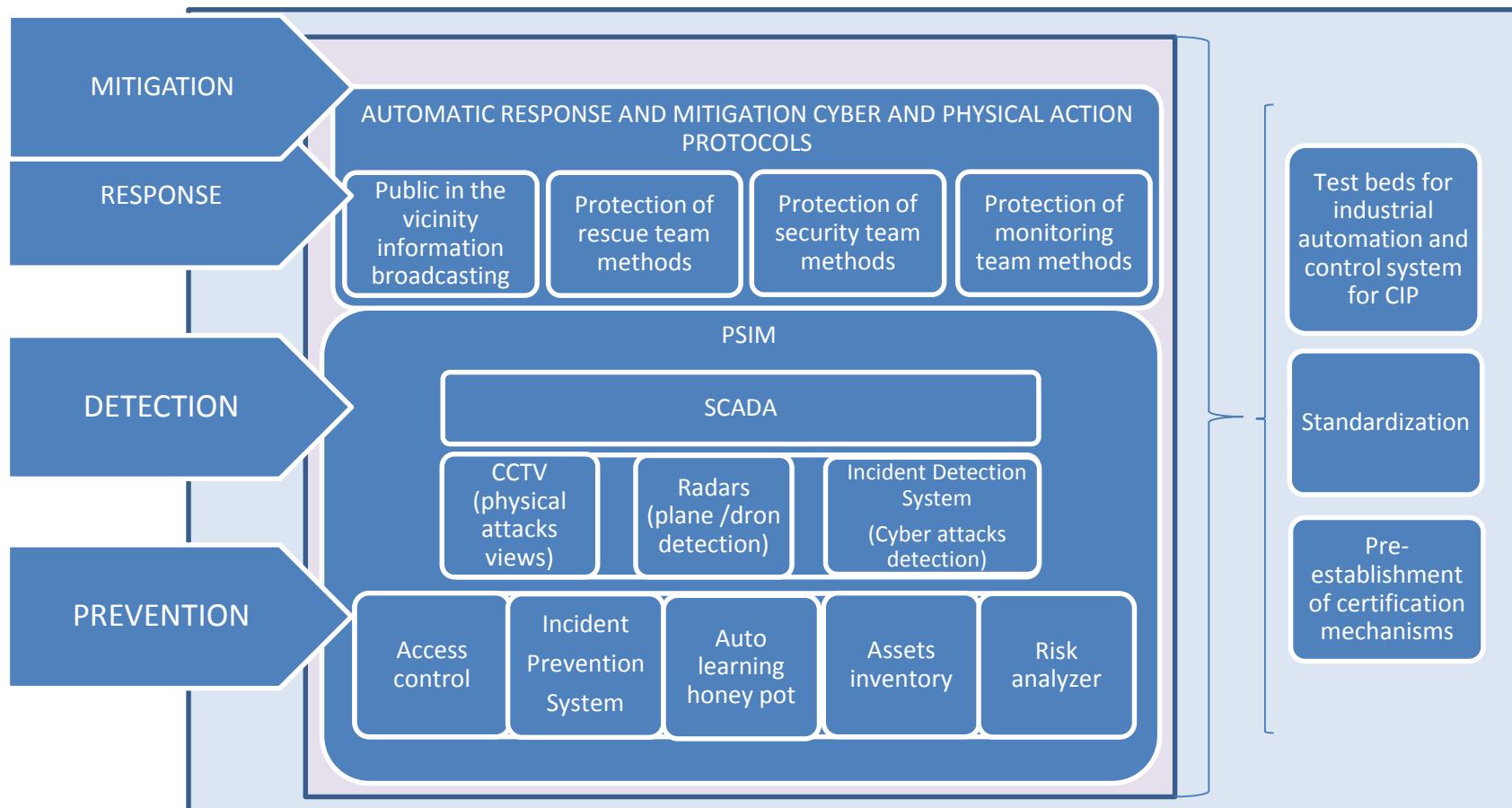
CRITICAL INFRASTRUCTURE INTEGRAL PROTECTION MANAGER



CRITICAL INFRASTRUCTURE INTEGRAL PROTECTION MANAGER



CRITICAL INFRASTRUCTURE INTEGRAL PROTECTION MANAGER



6. Work packages

WP1: Concept and Architecture
Critical Infrastructure Integral Protection Manager

WP2: Legal terms and risk analysis

WP3:
Cybersecurity

Dynamic IPS and Honeynet
Development, Big Data treatment
and creation of new rules,
including hardware and integration
in SCADA

WP4:
Hardware and Integration
Devpt.

Access Control (Wireless
electronic keys and padlock),
Radar and CCTV

WP5:
After attack automatic action
protocols design and development

Research about the actions to
execute once the attack has been
suffered, according to UE CIP
guidance, including sharing
information methods and
automation of them,

WP6: Prototype Test and Readyness
Integrators and owners of ICT critical infrastructures implementing CIIPM and the new protocols, testing it and giving feedback so that the product can be improved.

WP7: Demonstration and Evaluation

WP8: Dissemination and exploitation

WP9: Project Management

ayesa ◊