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CERN-CLUSIS-GITI-HEG Conference

ENISA: future challenge and opportunities

23 May 2007



Content

- Network and information security in Europe
- ENISA's role
- ENISA today
- ENISA tomorrow



Network and information security in Europe - 1

Lisbon Strategy i2010 initiative
eEurope programmes

- more employment
- more growth
- more inclusiveness

Towards the information society

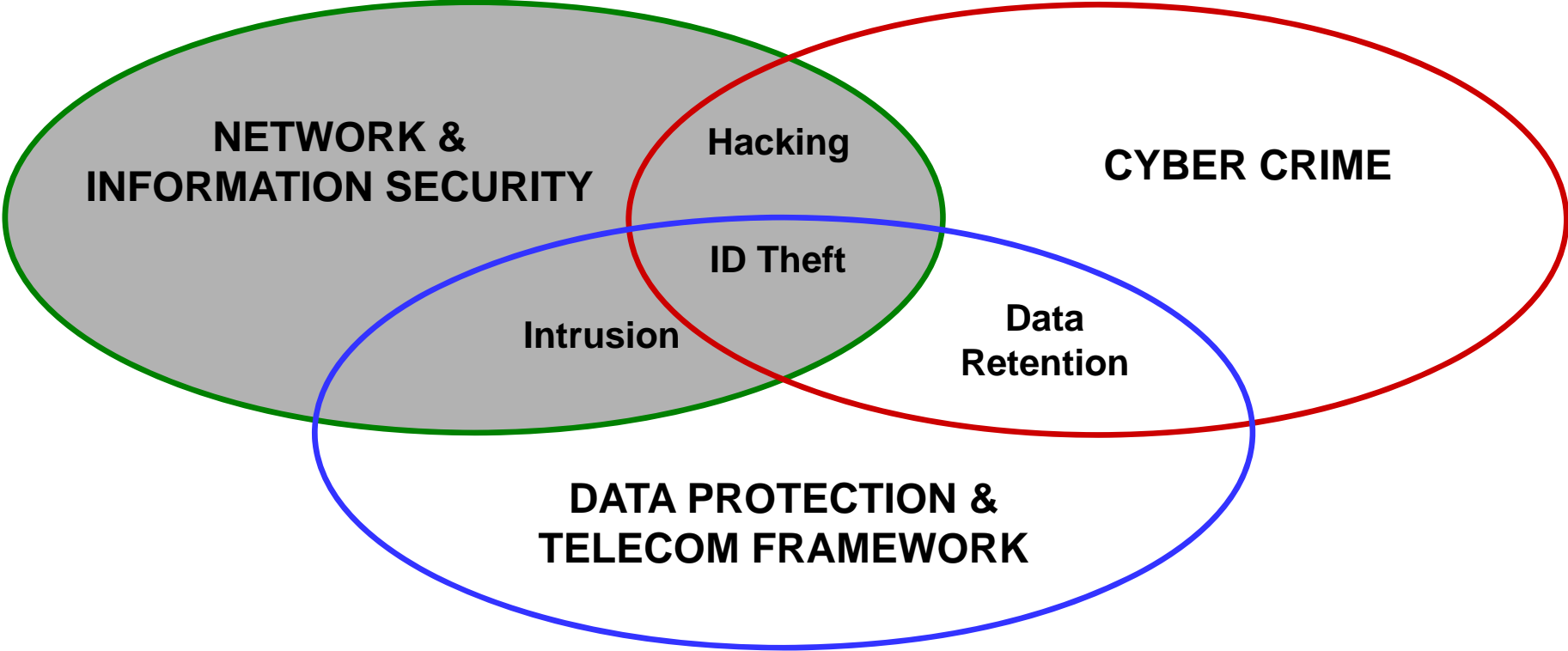
ICT development WiFi RFID NGN Ambient intelligence
Mobile systems GRIDs Sensor networks

- privacy challenge
- ID theft
- Attacks against CII
- digital divide

Network and information security in Europe - 2

I. Protection measures

III. Law enforcement



II. Legal requirements

Network and information security in Europe - 3

TECHNICAL dimension

- diversity,
- openness,
- interoperability

SOCIAL dimension

- overall security chain
- home systems criticality
- shared responsibility

TRUSTWORTHY, SECURE & RELIABLE ICT

ECONOMIC dimension

- NIS as a virtue and an opportunity

LEGAL dimension

- fundamental right on-line
- privacy & security as prerequisite



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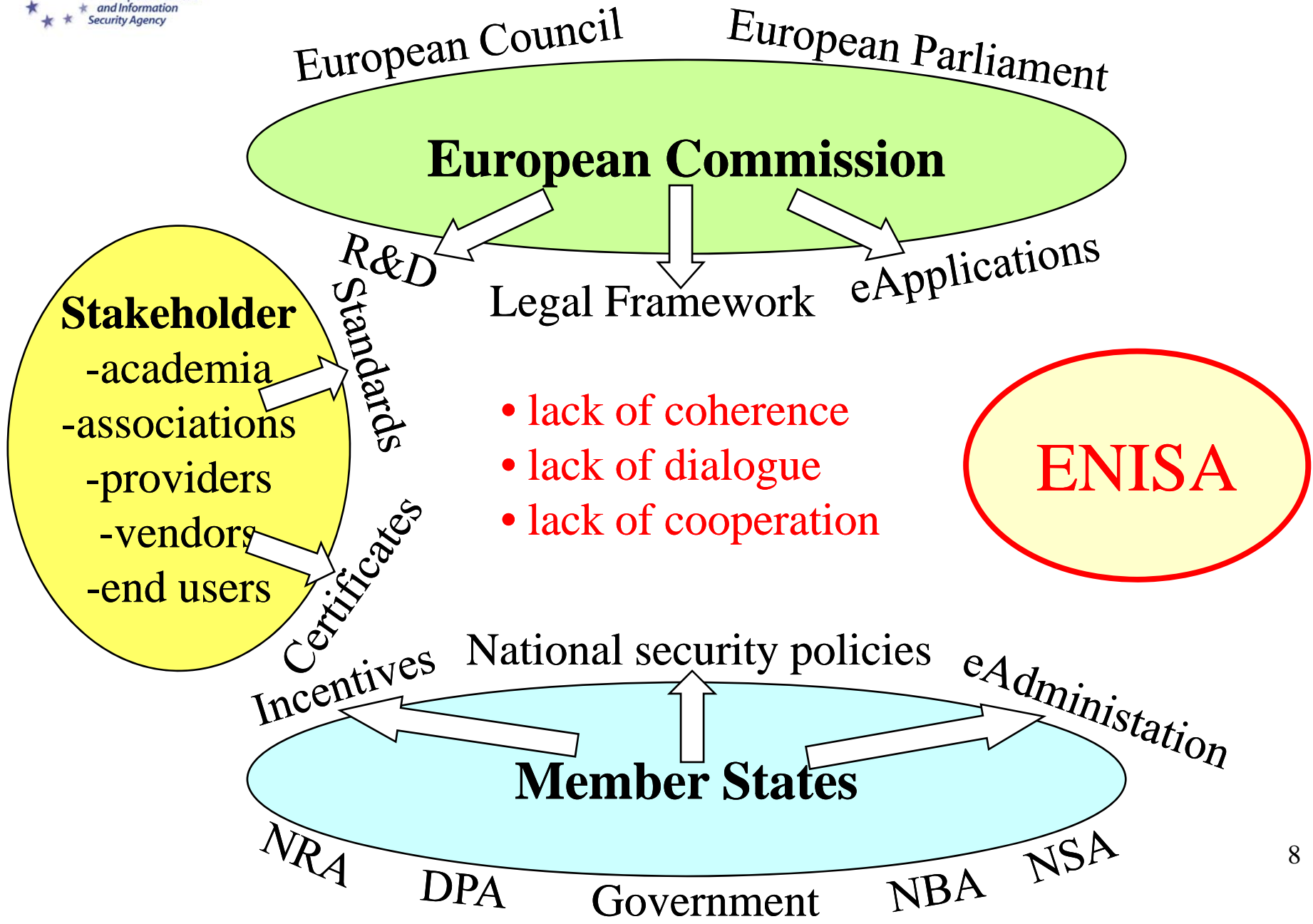
ENISA's Role -1

ENISA genesis

2000-S1	Portugal	Lisbon Strategy, eEurope 2002 action plan
2001-S1	Sweedden	NIS Observatory, 60 persons, Stockholm
2001-S2	Belgium	Working Group on cybersecurity
2002-S1	Spain	Task Force cybersecurity (EC)
2002-S2	Denmark	Unit (EC)
2003-S1	Greece	Agency (Art. 95 : Council-Parliament)
2003-S2	Italy	ENISA in Greece
2004-S1	Ireland	Regulation 460/2004

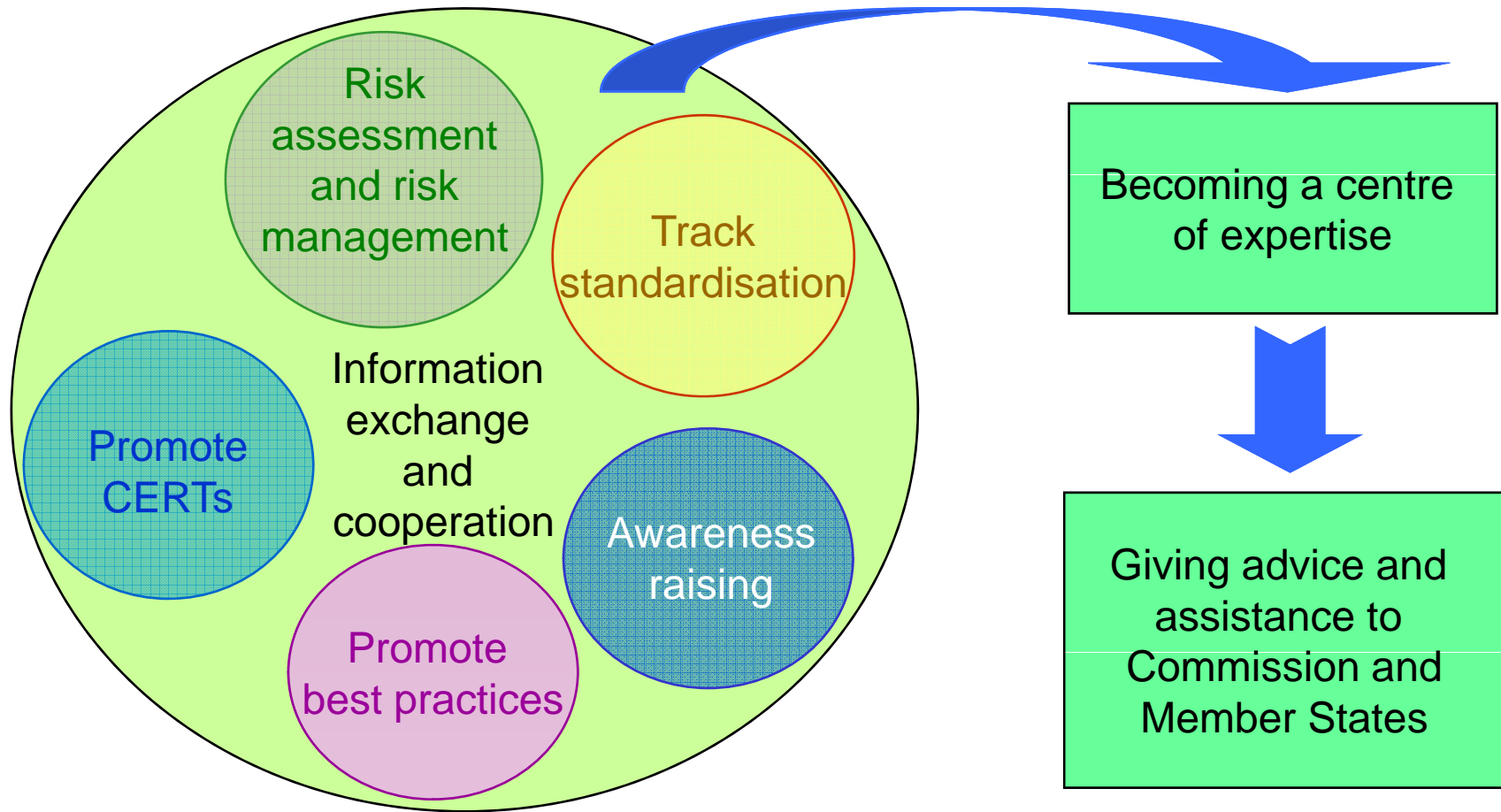


ENISA's Role - 1



ENISA's Role - 2

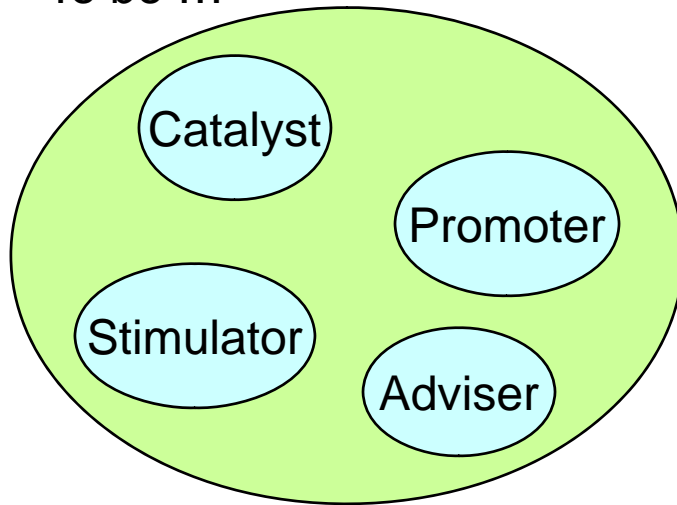
ENISA's tasks



ENISA's Role - 3

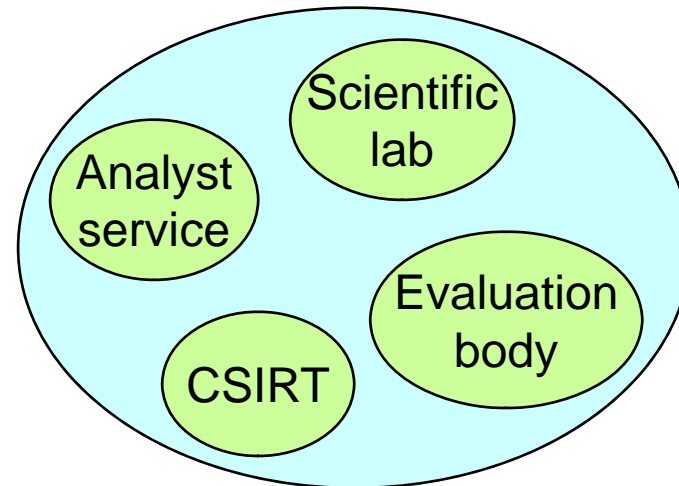
ENISA scope of activity

To be ...



Networking ...

but not no be ...



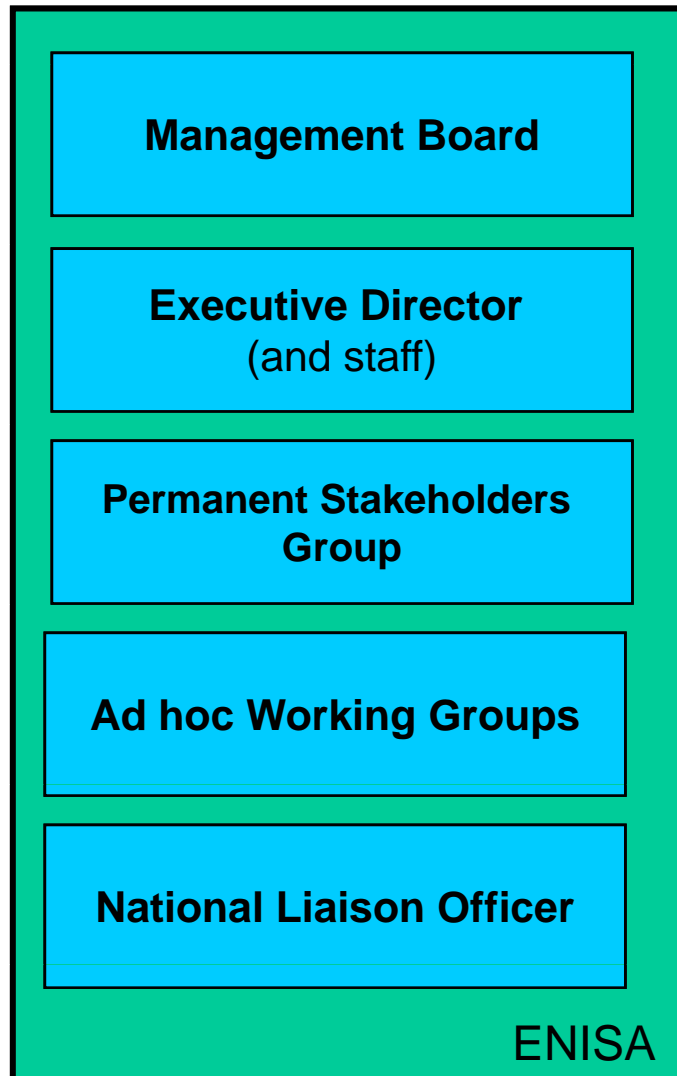
...without duplicating



Content

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- [ENISA today](#)
- ENISA tomorrow

ENISA Today - 1



- ➔
 - 1 seat per MS, 3 EC, 3 observers
 - Approves the Working Programme
 - Approves the budget
- ➔
 - “Run the Agency”
 - Reports to Management Board
- ➔
 - Industry, academia, users (30 seats)
 - Advice to Executive Director
- ➔
 - Technical advice on specific matters
 - Report to ED
 - 3 WG in 2005, 4 in 2006
- ➔
 - Contact point in each Member State
 - Facilitate exchange of information



ENISA Today – 2

Executive director

- Assistant/controller
- Policy adviser
- Accounting office
- Security office
- Press and Com.

Around 50 staff
About 7 Meuros/year

- Administration:**
- Finance
 - Human resources
 - Legal service
 - It infrastructure

- Technical:**
- Risks management
 - Security policy
 - Security tools
 - Technology cabinet

- Cooperation & support:**
- Awareness raising
 - Incident response
 - Coordination MS & EC
 - Relations with industry

ENISA today and tomorrow - 3

Deliverables (2006 work Programme)

- **Awareness raising**
 - Overview of awareness raising programmes in EU
 - Users' guide on how to raise information security awareness
- **Risk assessment and risk management**
 - Inventory of methods and tools
 - Method adapted to SMEs context
- **Security policy**
 - Study on Security & anti-spam measures in eCommunication
 - Inventory of NIS certification and accreditation schemes
 - Roadmap on electronic authentication interoperability
- **CERT capacity development:**
 - Inventory of CERT activities in Europe
 - How to set-up a CERT
- **Security tools and architecture**
 - Current developments in NIS technologies





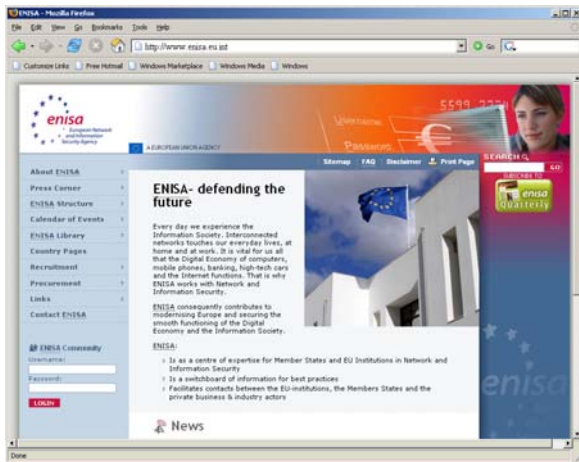
ENISA Today – 4

Requests from the EC and MS (2006)

1) EDPS	Facilitating audit of EURODAC System
2) Commission	Assessment of security measures taken by electronic communication providers
3) NRA Lithuania	Assistance in setting-up of CERTs through organising a CERT training in Lithuania
4) Commission	Providing feedback on Impact Assessment on planned Communication
5) Commission	Advice on mid-term review of Directive on Electronic Signatures
6) Commission	Advice on eID management in Commission services
7) Czech Republic	Assessment of security requirements for Public Administration Information Systems
8a) Commission	Feasibility study on a trusted partnership for a data collection framework
8b) Commission	Examining the feasibility of a EU-wide information and alert system

ENISA Today – 5

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ENISA tomorrow - 1

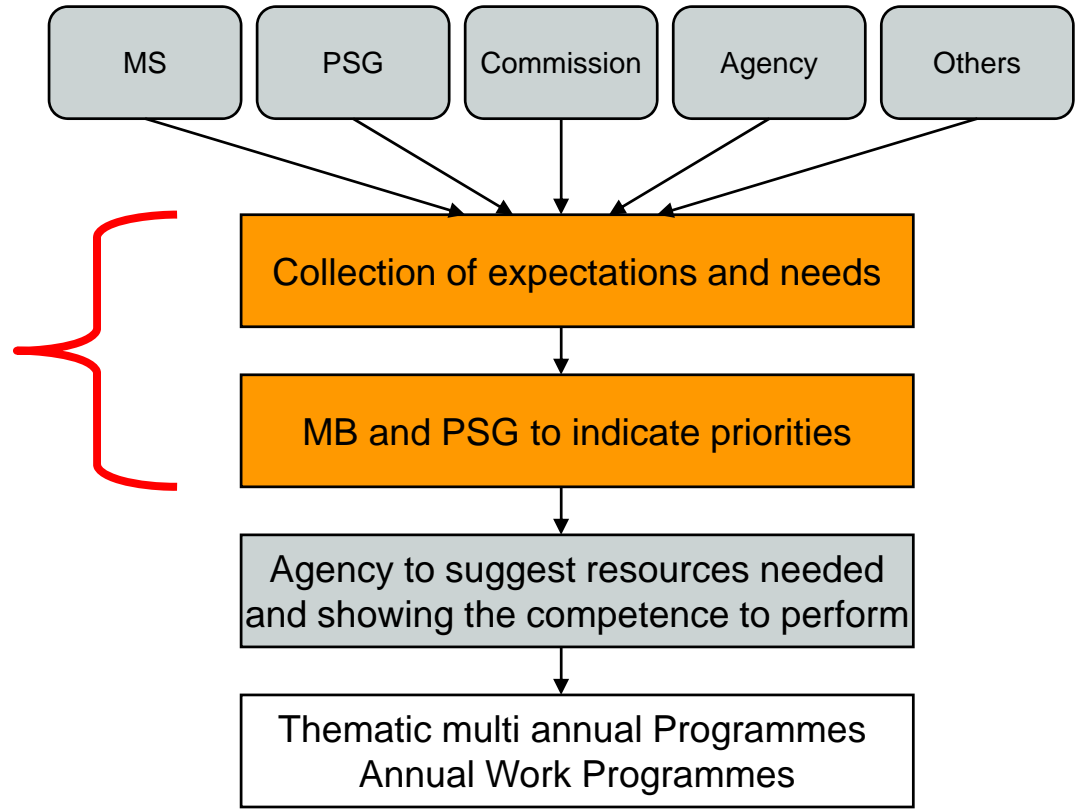
- Mid term evaluation in 2007
- Good quality of ENISA output
- Impact difficult to assess
- Need to focus more on strategic goals

ENISA tomorrow - 2

An impact oriented process...

- Dialogue with and between stakeholders...

- **Guided by strategic goals...**



ENISA today and tomorrow – 7

Strategic goals adopted by the MB last March:

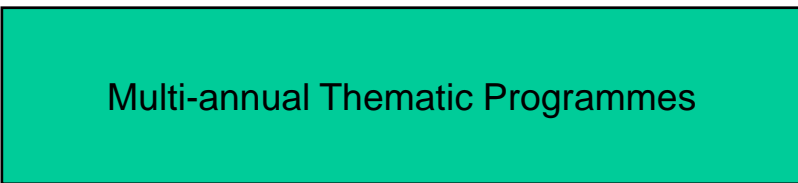
1. Building confidence in the information age through increasing the level of NIS in the EU
2. Facilitating the Internal Market for e-Communication by assisting the institutions to decide the appropriate mix of regulation and other measures (notably about Telecom Framework)
3. Increasing co-operation between MS in order to reduce the difference in the capability of MS in this area
4. Increasing the dialogue between the various stakeholders in the EU on NIS
5. Assisting and responding to requests for assistance from the MS

ENISA tomorrow - 4

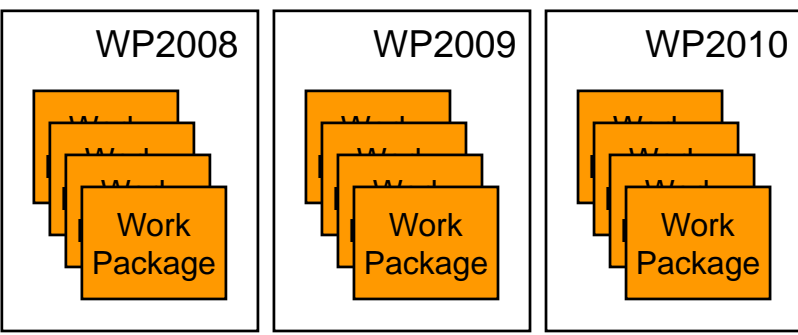
How to link strategic goals to Work Packages ?



- Are high-level objectives
- Provided by MB as part of short-term general orientations



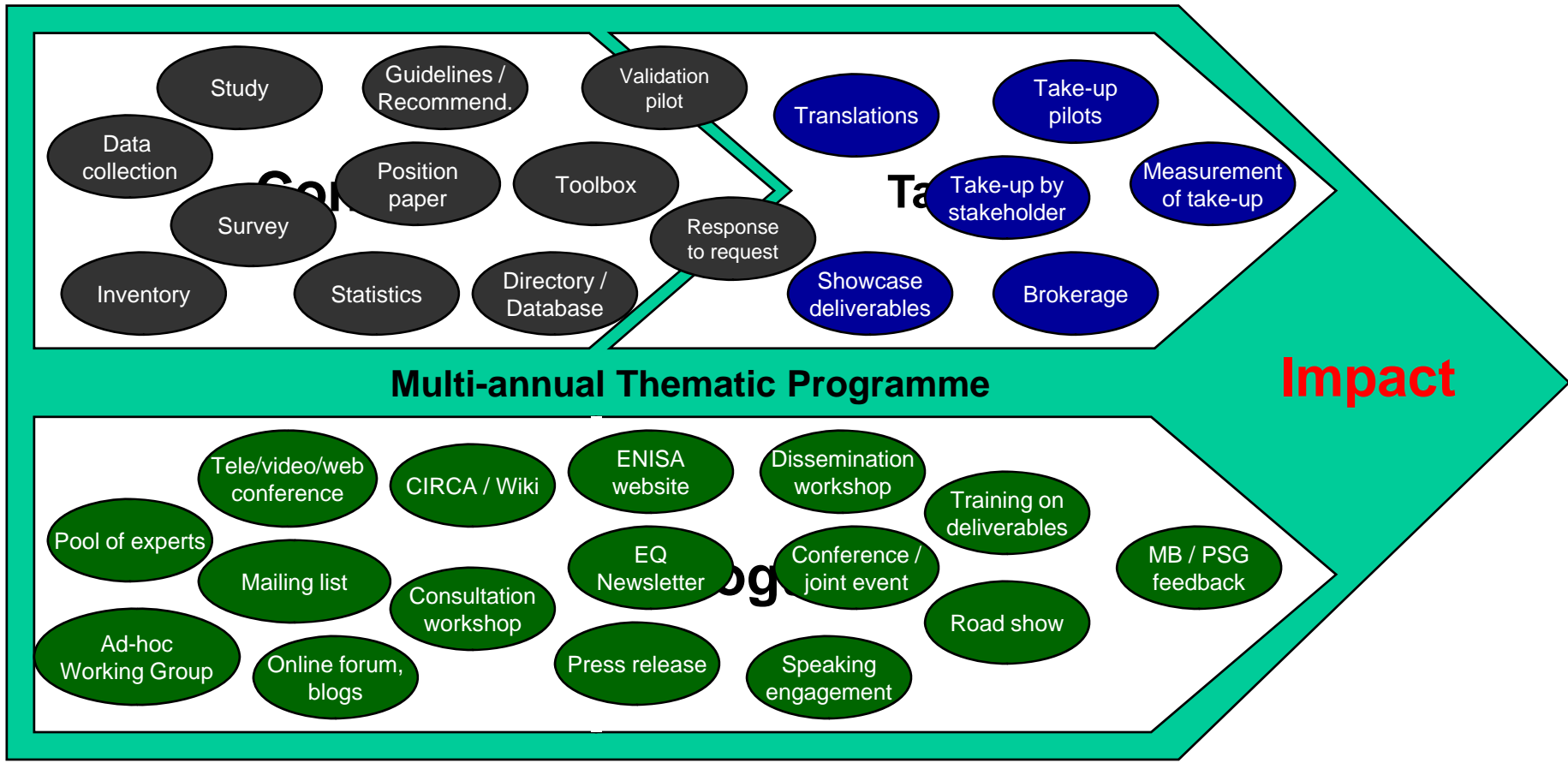
- Implement high-level objectives in prioritised particular NIS fields of interest
- Themes to be identified through multi-stakeholder dialogue (MB and PSG)
- Should define KPIs linked to S.M.A.R.T. goals for each programme



- Implement programmes on annual basis
- Work Packages to be defined through highly-interactive workshop (MB and PSG)
- Should define KPIs linked to S.M.A.R.T. goals for each Work Package

ENISA tomorrow - 5

What does a programme look like ?



ENISA tomorrow - 6

What does a Programme proposal look like ?

- Programme name
- Description of thematic area
- Which high-level goal(s) it supports
- Desired impact (KPIs linked to S.M.A.R.T. goals)
- Beneficiaries
- Endorsed by which stakeholders
- Why ENISA?



QUESTIONS?