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Resilience & CIIP in NL

Development of good practices

To do list

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- Critical infrastructure
- The telecommunications sector
- Threats: cybercrime
  terrorism
  - Awareness
  - International aspects

Critical Infrastructure

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- Critical ?
- Infrastructure ?
- and : Public ?

Critical Infrastructure

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- Parliamentary decision (2001):
  - to identify CI and propose protective measures

- Project on CIP (2002)
- Project on National Security (2003)

Strategy on National Security (2007)

- Project on National Security

threats > risks > needed protective measures
current robustness >

_National Security - ICT

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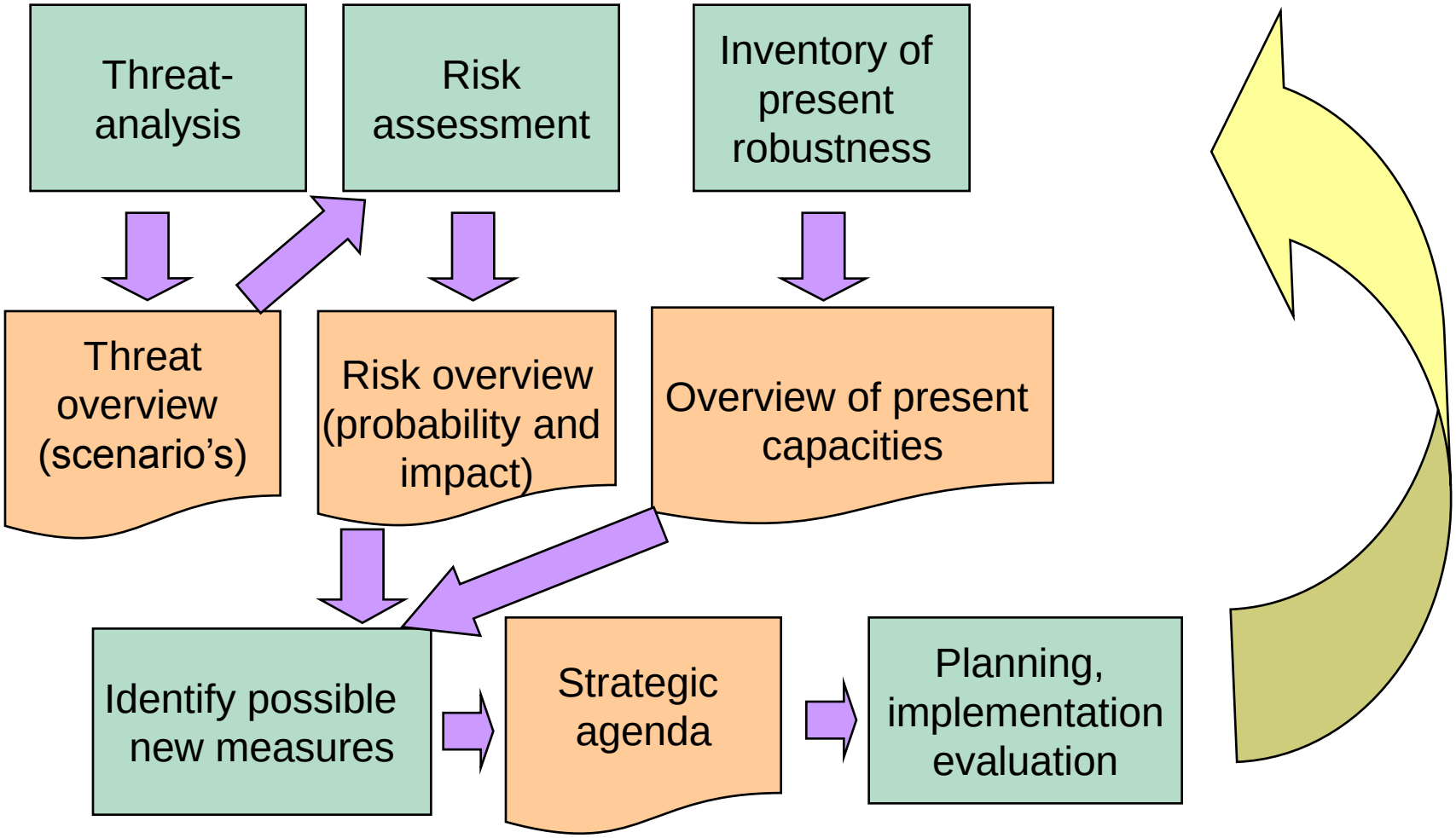

_Project on CIP

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General approach

- Identify CI within a sector
- Identify interdependencies between sectors

- Analysis:
  - Threats, vulnerabilities, impact

- Working groups
  - Permanent
    - government: policy, project activities, ...
    - industry and government: co-ordination, strategy, ...
  - Ad hoc (PPP): interdependencies, scenarios,...

Telecomm's sector

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- Telecommunications Act (1999)
  - Designation of providers of
  - public services / infrastructures
  - to prepare for State of Emergency
  - Annual report on preparation
- Agreement
  - National Forum to develop preparation
    - Guidelines on contingency plans & crisis management
    - Reporting on incidents above level X
    - Annual report
      - a.o. SPoF's, redundancy, info exchange

National Forum: NCO-T

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National Continuity Forum – Telecommunications

- Objective:

  To organise the sector in a way to avoid and if necessary to restore serious disruptions of public telecommunications networks and services capable of harming vital public interests.

- Agreement public operators and government on
  - prevention of incidents
  - repression in case of an incident

_NCO-T : results

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- Achieved through
  - trust
  - co-operation

- From obligations to operational activities
- Identify critical services and “critical” providers
- Method on mandatory reporting
- Incident report 24/7 (2 way)
- Responsibilities of provider and of government
- Meet mutual interests
- Use existing activities / documents
- Expertise: with providers

- Still to go: co-operation during a major incident

Threats: cybercrime

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- NICC

  National Infrastructure CyberCrime

  - Information exchanges
    - Sector (a.o.finance, rail transport, energy)
    - Theme (scada)
  - Confidentiality
  - Voluntary, groups organise themselves
  - Expertise: GOVCERT, National Intelligence, Police

- GOVCERT.NL
  - CERT for the Dutch Government
  - Support, emergency response, alerts, monitoring

Threat: terrorism

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- NCTb (National co-ordinator on fighting terrorism)
  - Analysis of threats
  - Critical infrastructure, physical objects
  - Cooperation with local authorities on protection
  - Alerting scheme

* ICT: Virtual objects?

_Awareness

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- SME, ISP's, operators
  - ECP.nl
- End-users
  - Digi-aware (*Digibewust)*
- Alerting (IT)
  - National Alerting Service

- Education
  - National Strategic Agenda on ICT: E-Skills
- NAVI
  - National centre for advice on CI

International aspects

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Different structures:

- EU
  - EPCIP
    - Ciwin, ERN-CIP
  - Enisa
- NATO
  - CEP
- OECD
  - Guidelines
- G8 / Meridian Conference
  - Sharing expertise
- ……

Thank you

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questions ?

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