Office of the Commissioner of Electronic Communications & Postal Regulation

OCECPR

First Steps towards a National Cyber Risk Assessment

Cyprus Efforts in NRA and National Contingency Planning

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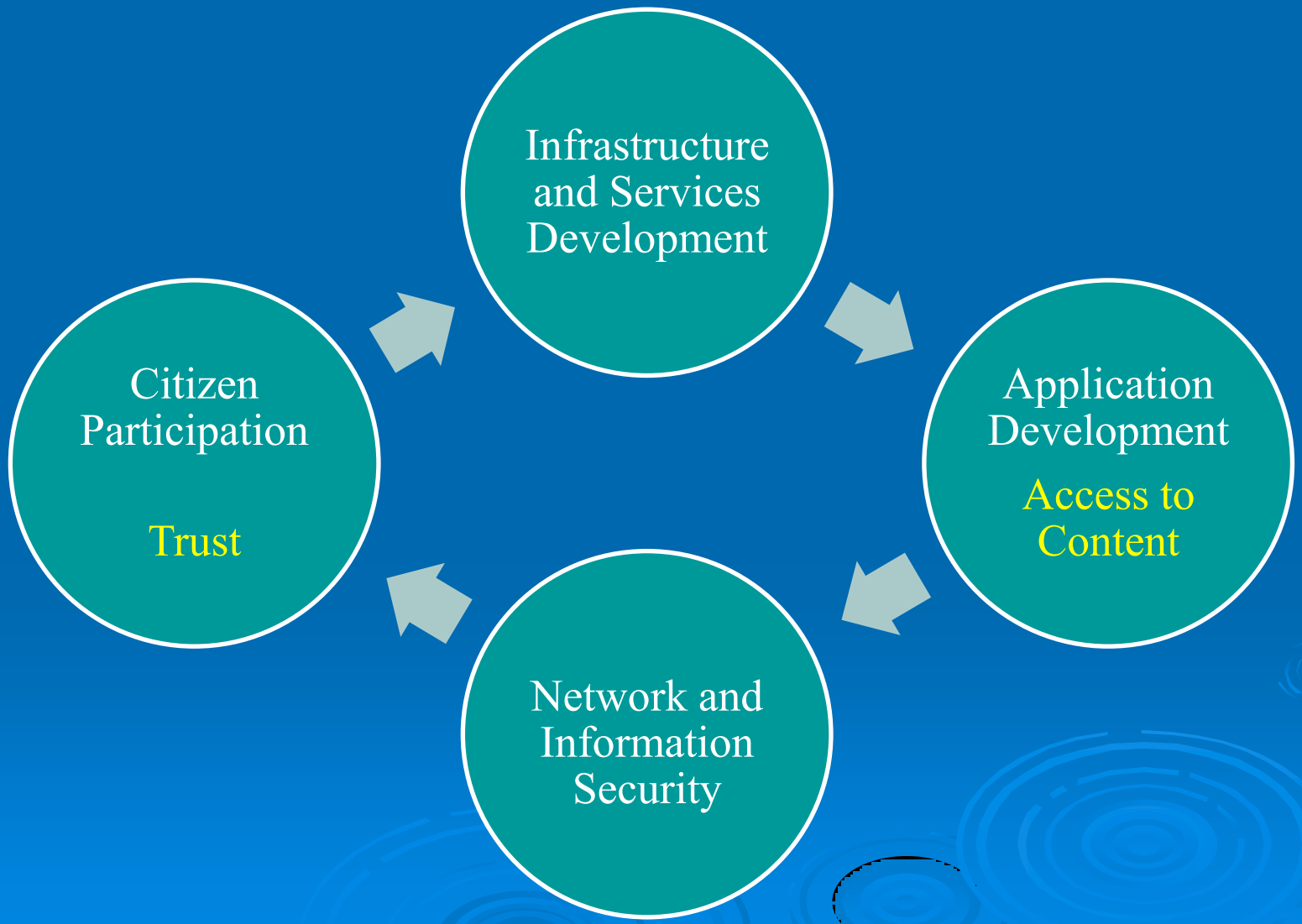
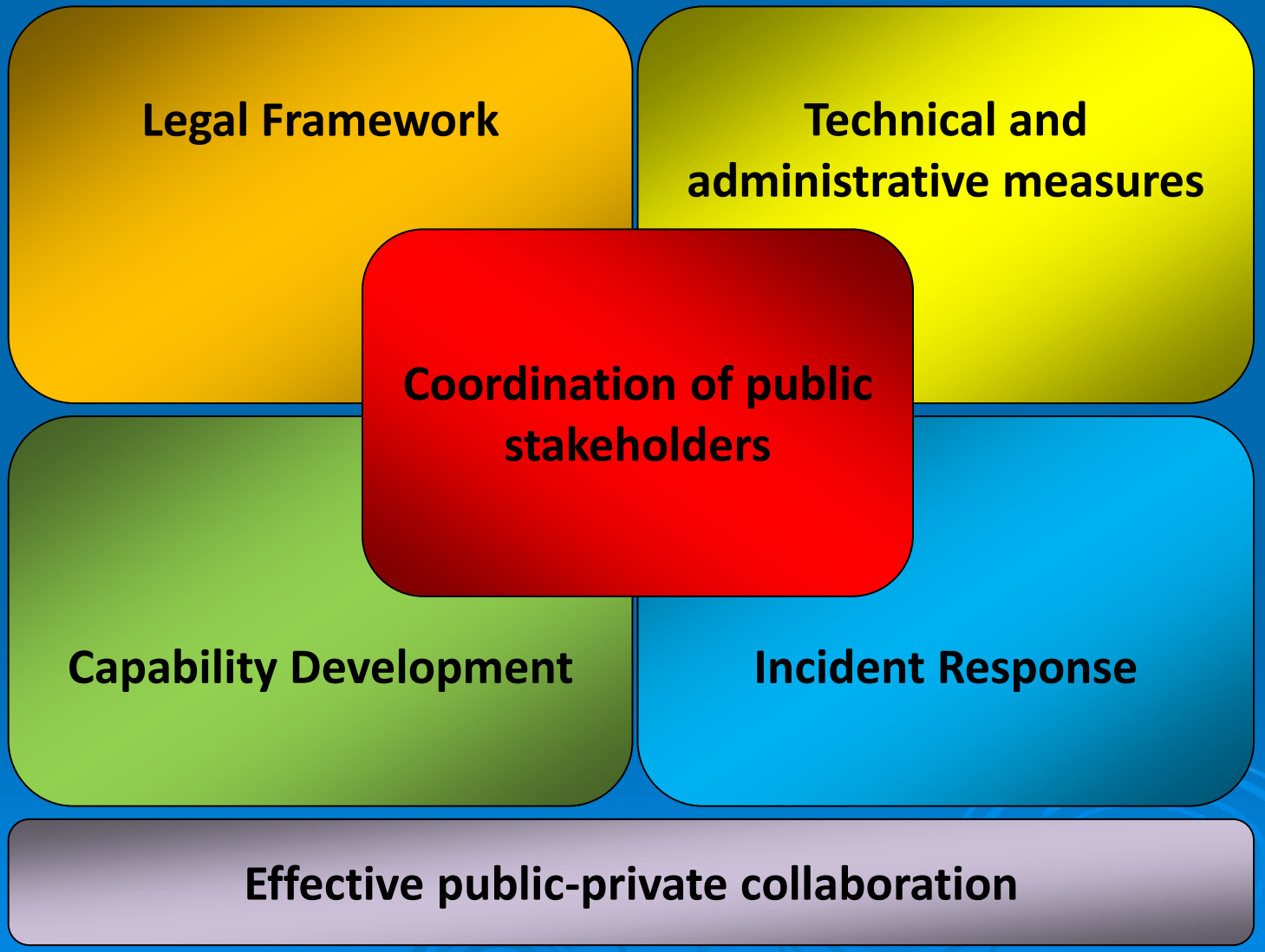
Overview

- Digital Cyprus
- National Cybersecurity Strategy
- National Risk Assessment
  - Why?
  - How?
  - Expected Outcomes
- Next Steps

Information Society – Digital Cyprus



National Cybersecurity Strategy



Comprehensive National Response

National Cybersecurity Strategy

National Cyber Risk Assessment

National Contingency Plan for Critical Information Infrastructures

Critical Information Infrastructures

Need for a National Risk Assessment

- State of the World
  - Computer security is not a new field, but in our age it needs a high level of effective cooperation between stakeholders
  - Use of Information and Communication Technology (ICT) in all areas of life
  - Many new threats continue to emerge in cyberspace and with constantly increasing levels of complexity
    - Sabotage, theft, fraud, physical destruction, data loss, denial of service, loss of productivity **and many more**
- Large scale disruption can have effects **on a national level**

Assessment Targets – everything?

- What is different on the national level?
- Risks to what? Protect what?

How can we do this?

Modelling Interdependencies

- Critical infrastructures (CIs) are largely dependent on each other
- Studying these interdependencies will help identify and categorise CII assets
- Interdependencies also exist on the incident response level

Threat Evaluation

- Cyber threats that 'everyone' faces
- Threats specific to us – i.e. special considerations?

Scenarios

- Impact-based
- Service-based
- Asset-based

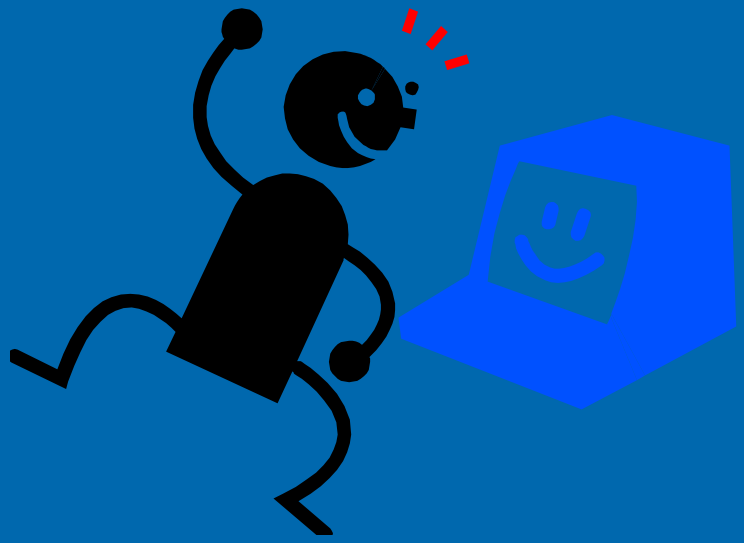
Expected Outcomes

- Aid identification and prioritisation of critical information infrastructures
- Solid basis for a comprehensive National Contingency Plan
- Complement national risk assessments in other areas
- Valuable input to a number of national cybersecurity strategy actions

Next Steps

- Stock taking:
  - Existing risk assessments across the critical sectors
  - Existing contingency plans
- Actions as above:
  - Modelling Interdependencies
  - Threat Evaluation
  - Scenarios
- Coherent inclusion in **one** national cyber risk assessment

Thank You!



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