

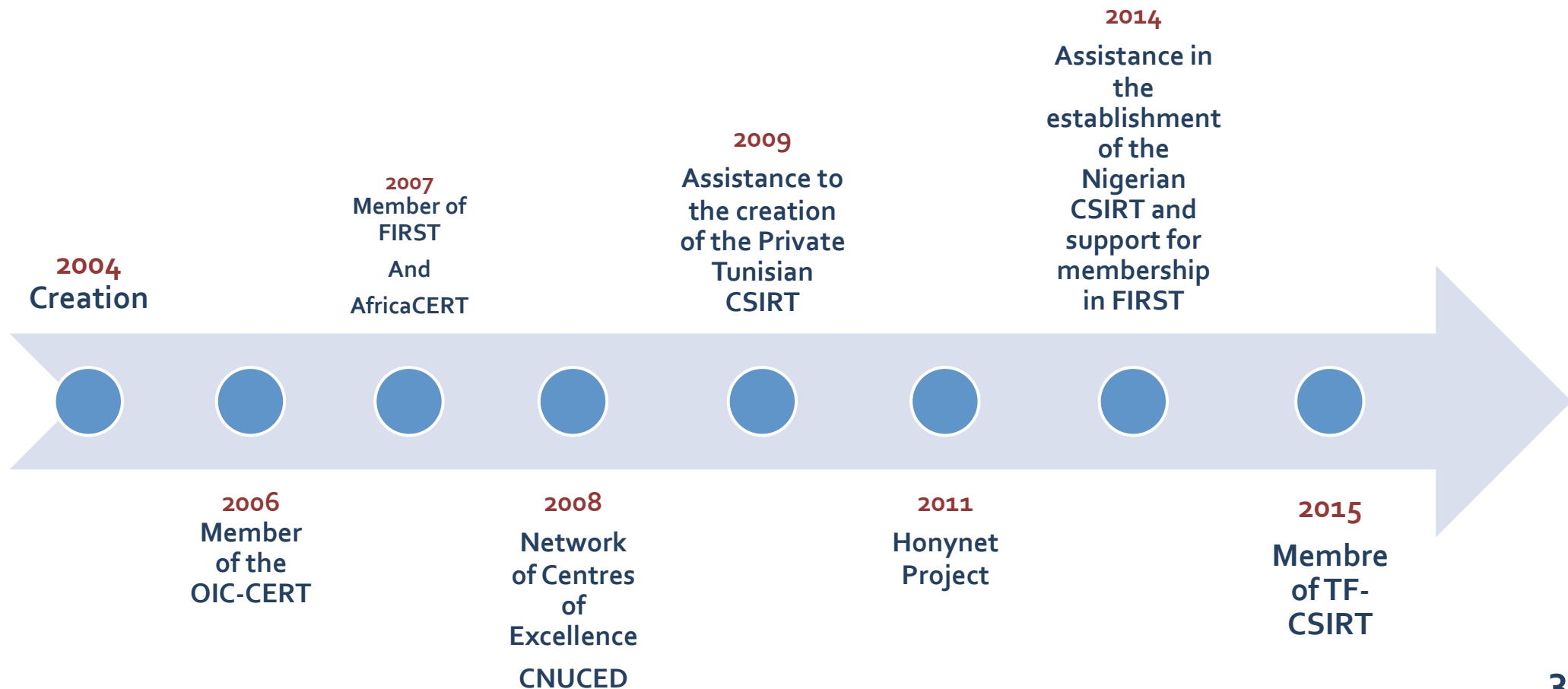
Tunisian experience in the National Cyberspace Security

Nadhir LOGHMARI
Software and Information Security Engineering, NSCA

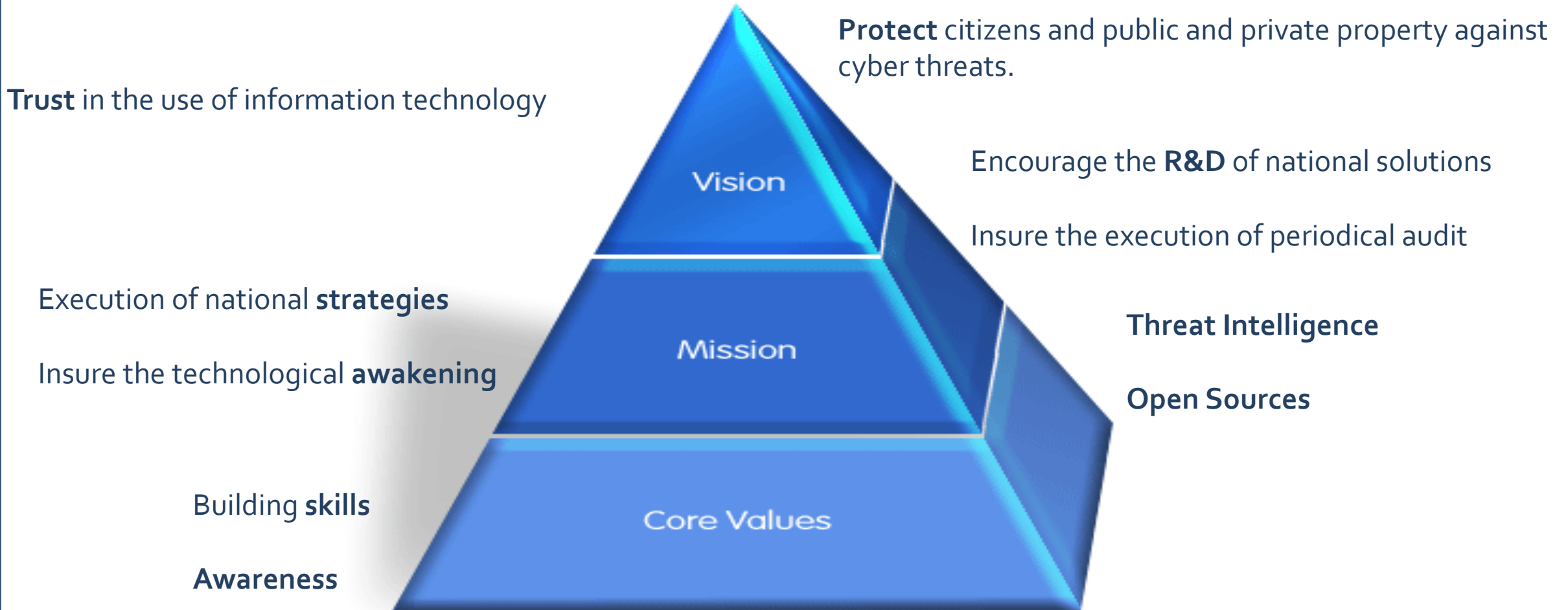
Agenda

- National Agency for Computer Security (NACS, Tunisia)
- State of the art
 - CSIRT
 - SAHER
 - Awareness
- New challenges
- Collaboration and Coordination

National Agency for Computer Security



National Agency for Computer Security



National Agency for Computer Security

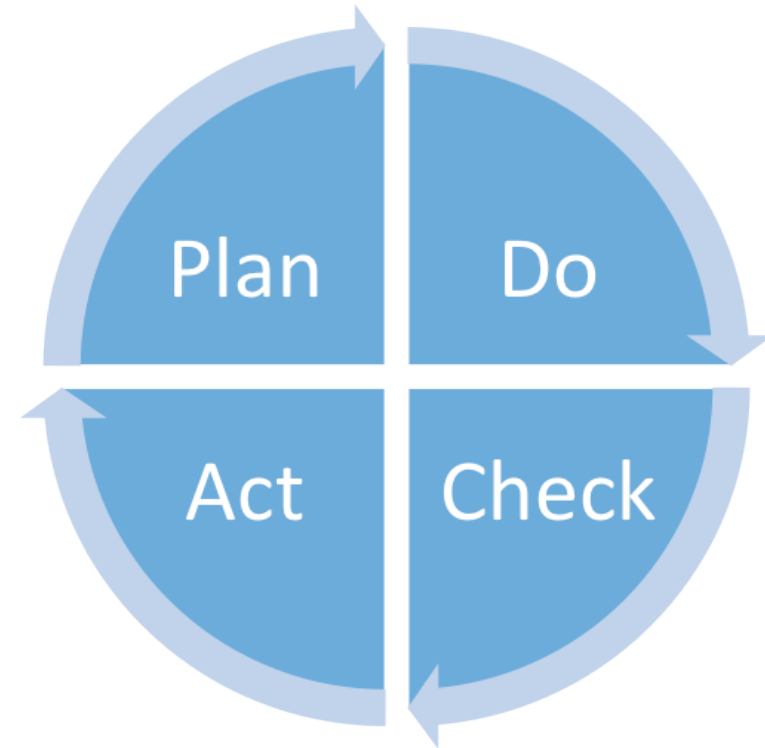
National Cyber Security Strategy Guidelines:

- Secure national information systems
- Secure the national cyberspace
- Investing in “expertise”
- Education and awareness
- Legislation and regulation frame (Update)

Critical Infrastructure Information Protection

Data Protection

Mobility



National Agency for Computer Security

- 65 Engineer and Technician at the Agency
- Preparing the ISO 27001: Information security management
- Chief Information Security Officer (CISO) ~ 250 at the national scale
- +300 experts auditors certified from the NACS
- 8 audit firms certified from the NACS

National Agency for Computer Security

Governance

NACS

CSIRT
Department

Audit
Department

Technical
Department

Awareness

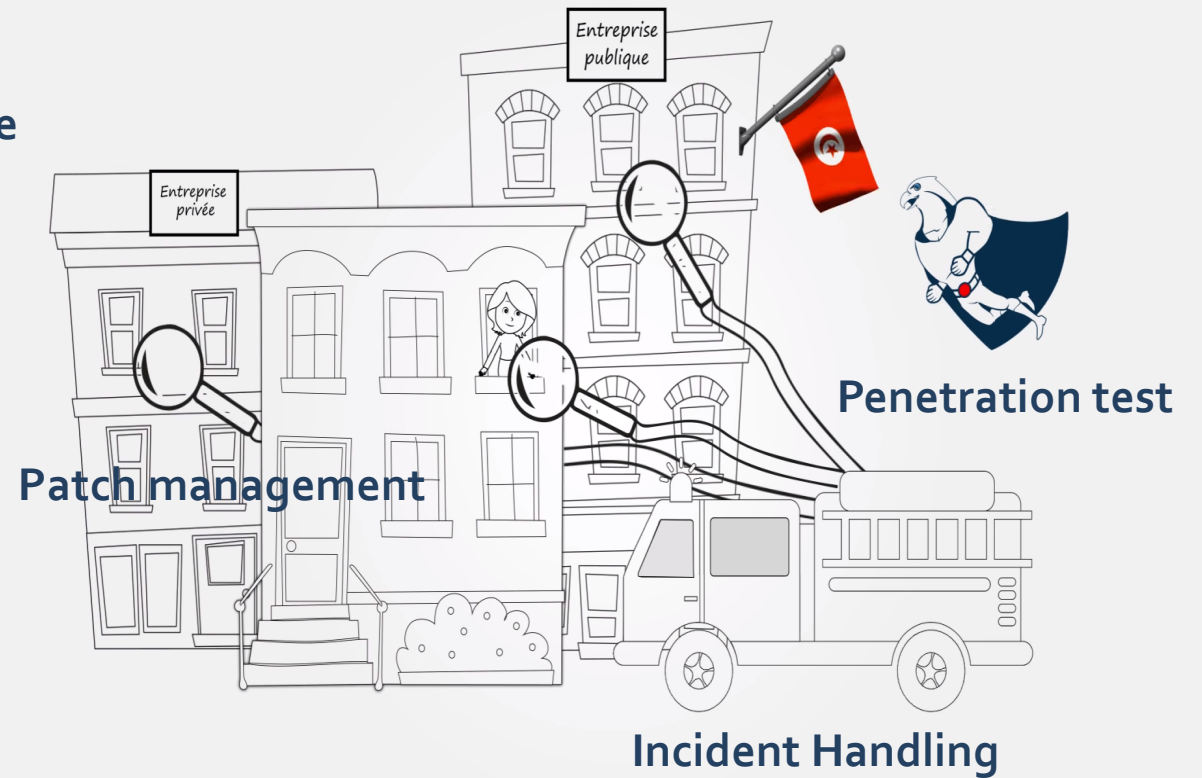
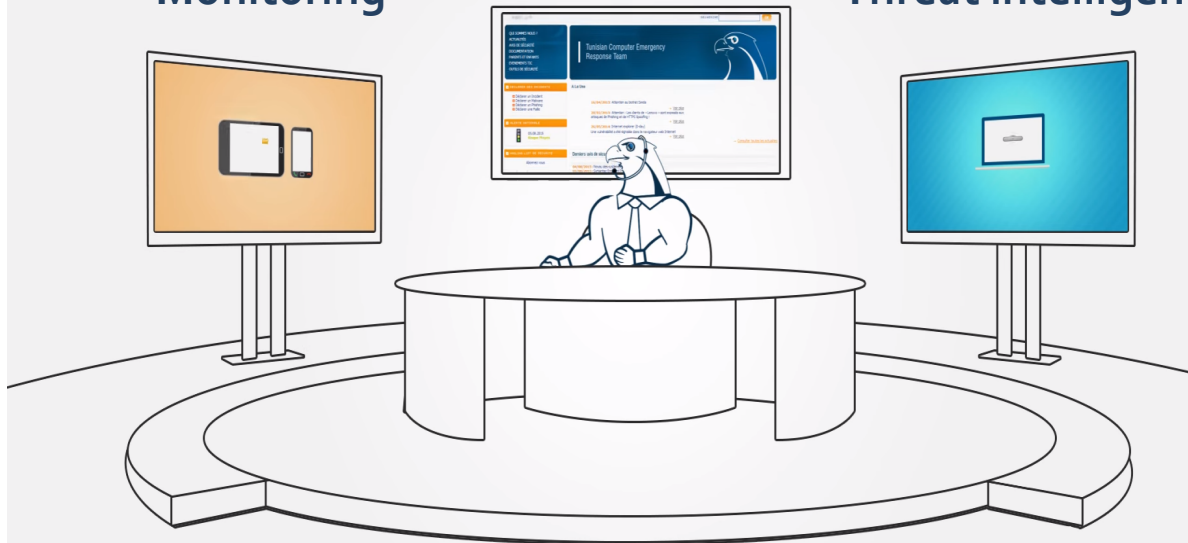
Technical

State of the art: CSIRT

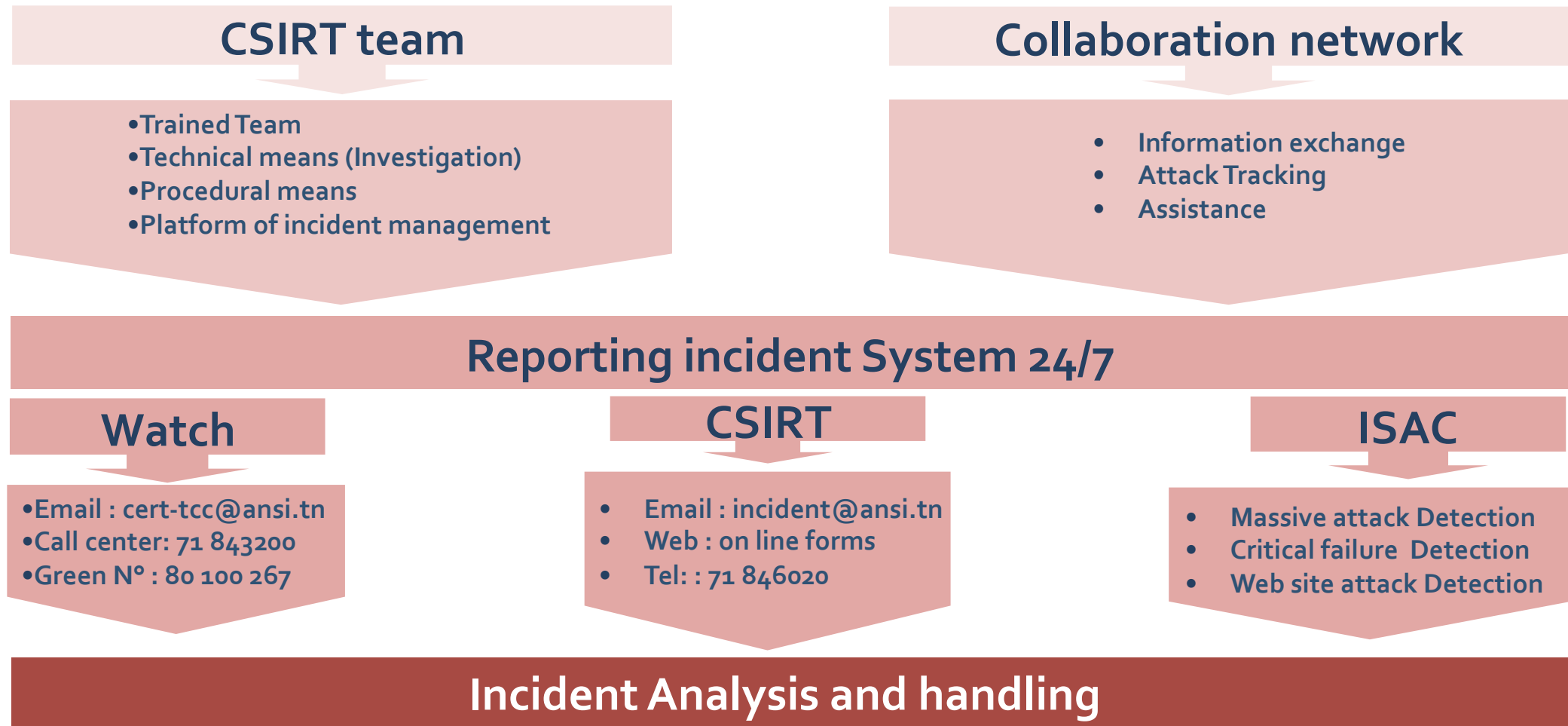
Vulnerability management

Monitoring

Threat intelligence



State of the art: CSIRT

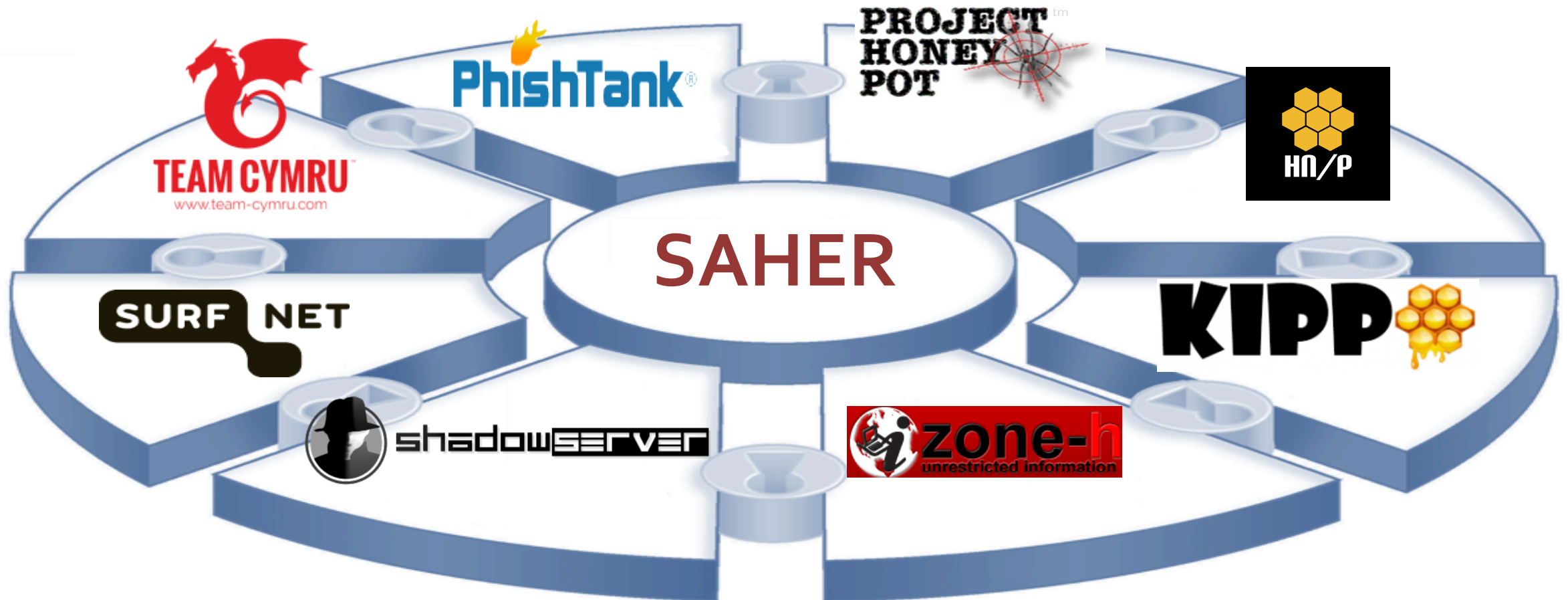


State of the art: SAHER



* New components under intergration

State of the art: SAHER

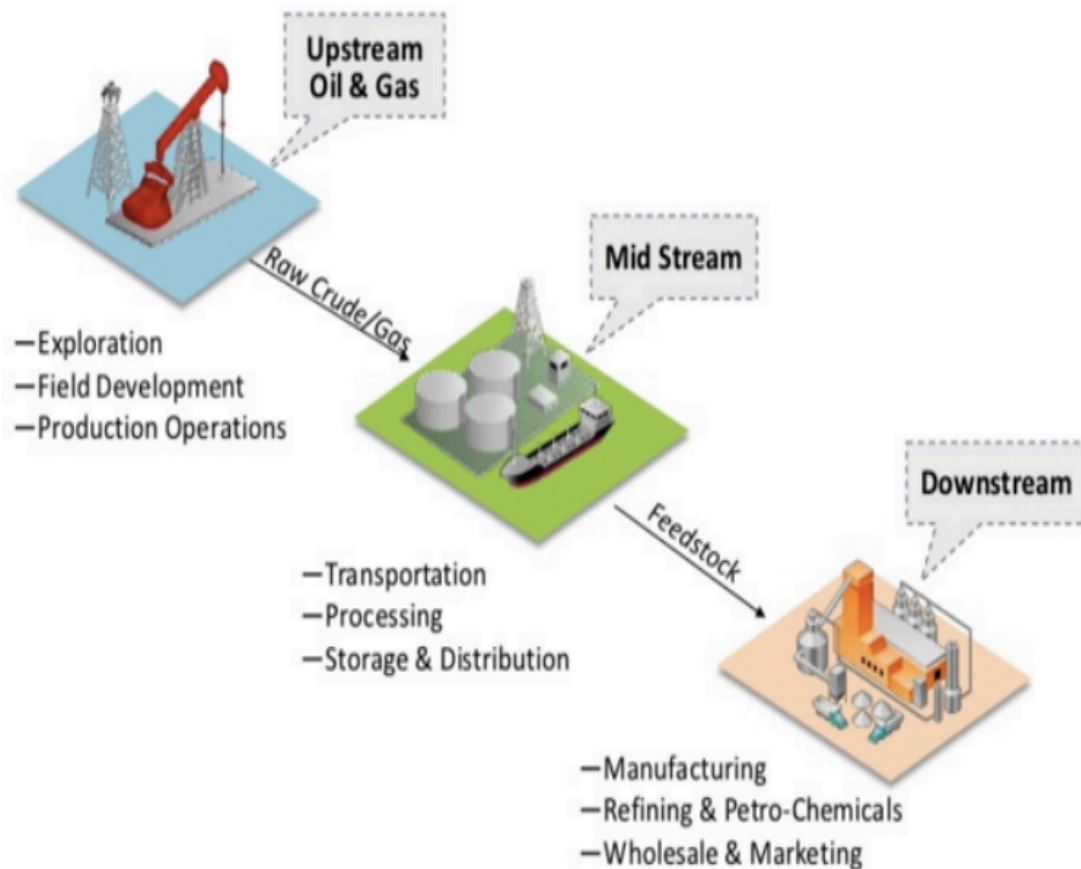


+ SAHER TUNISIAN CYBER THREAT (Private sources)

State of the art: Education and Awareness



New challenges: Critical Infrastructure Information Protection - CIIP

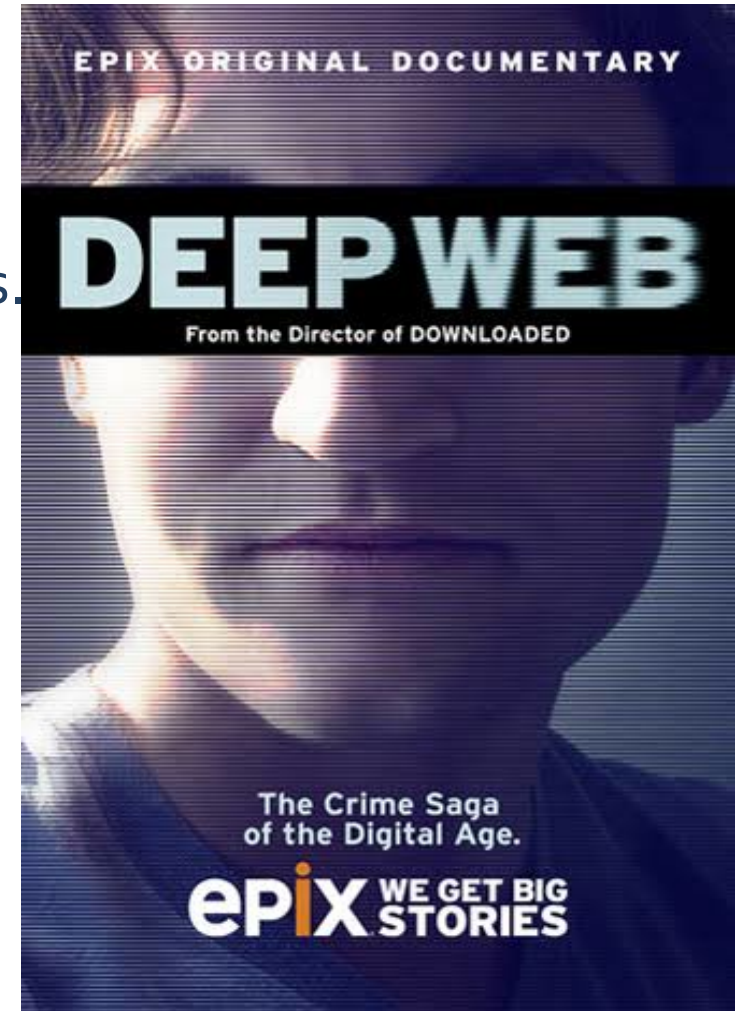


New challenges: Deep Web

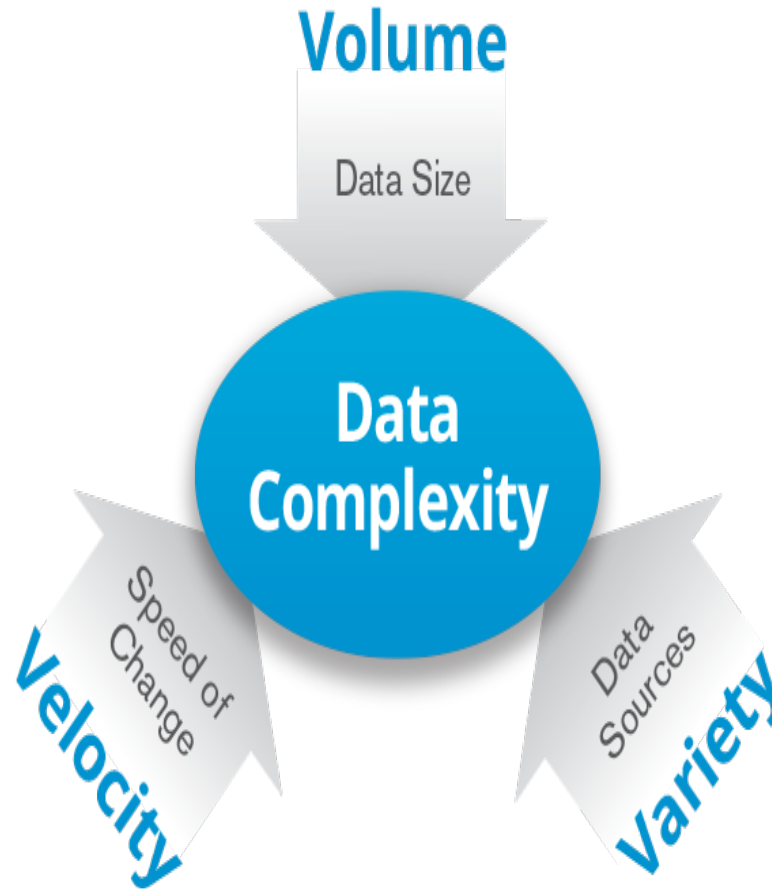
- ✓ **Deep Web:** Internet not indexed by traditional search engines.
- ✓ **Dark Net:** Private overlay network.
- ✓ **Dark Web:** WWW hosted on Dark Nets.

"The Deep Web is vast. Thousands of times larger than the surface web."

Alex Winter, Deep Web Documentary, 2015



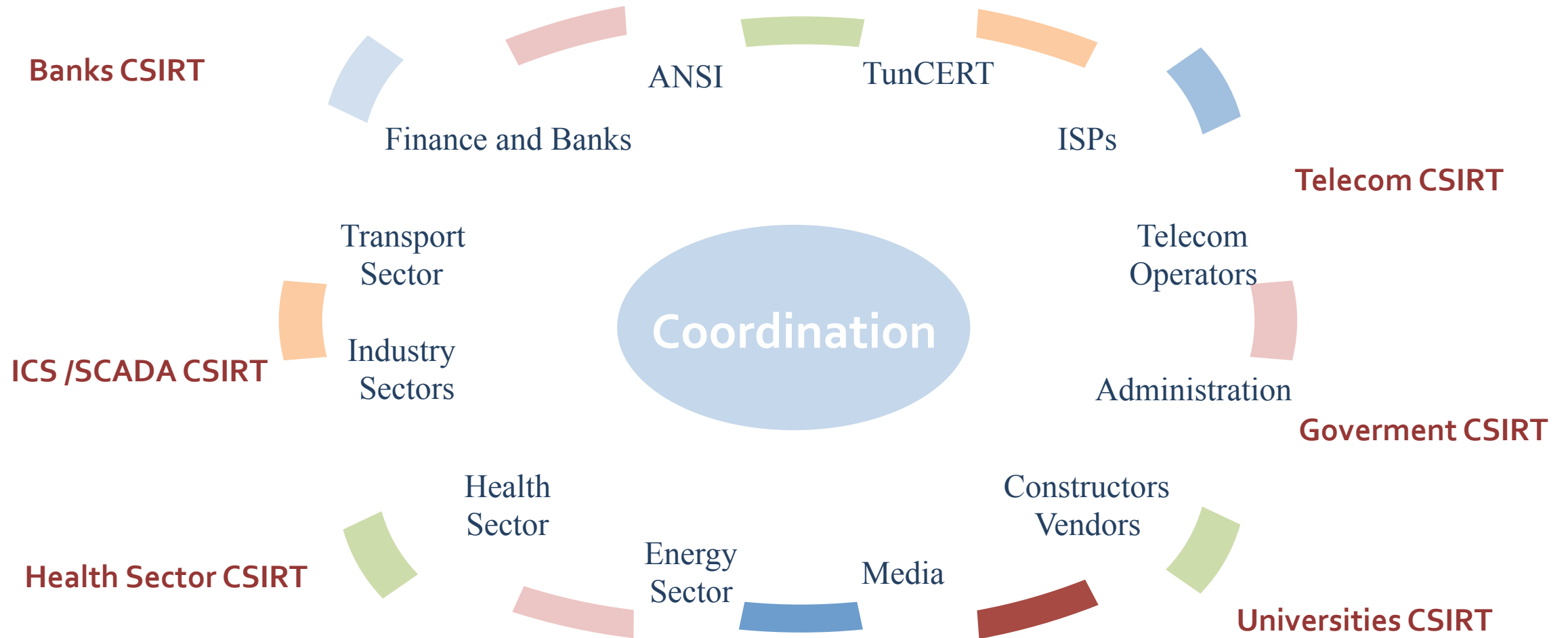
New challenges: Big data



- Malware
- APT
- Script kiddies
- Exploit kit
- DDoS
- Data breach



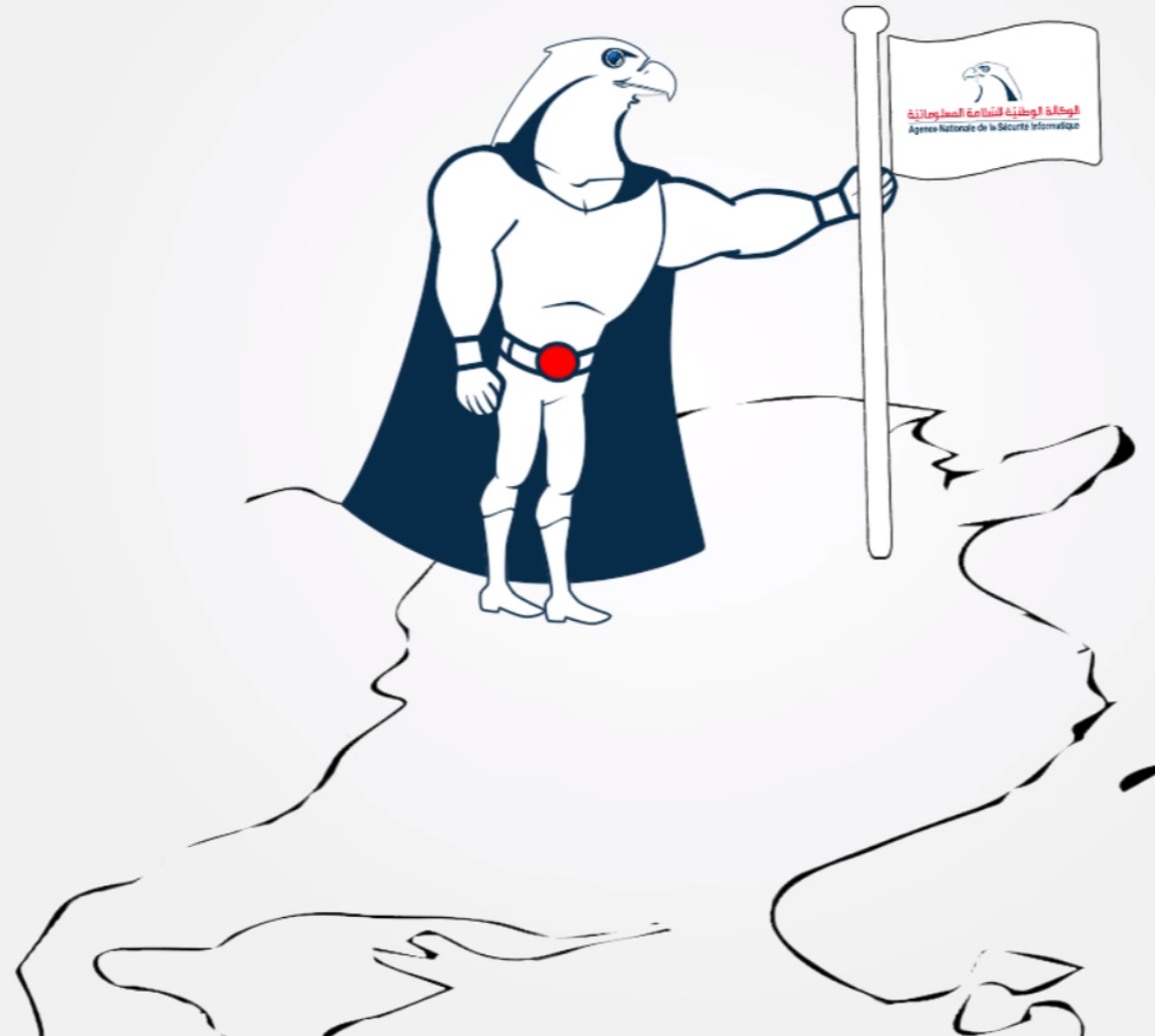
Collaboration and Coordination



Collaboration and Cooperation



Thank your for your attention





الوكالة الوطنية للسلامة المعلوماتية
Agence Nationale de la Sécurité Informatique

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