

SysSec: Emerging Threats and Vulnerabilities

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Objectives/Challenges/Timeline

- Create a Community of Researchers
 - In Systems Security
- Advance State of the Art
- Promote University-level Education
- 2010-2014

Relation to current major EC policy actions

- Roadmapping
- The “Red Book” in Cybersecurity



Outputs /Synergy with other projects

- Technical – White Papers
- Lectures in systems Security
- Roadmap in Systems Security

In terms of an infrastructure for NIS Technology platform, how would you like to see it?

- Provide/Use data about
 - Cyberattacks
 - Esp. targeted ones

Objectives – Challenges - Timeline

- **Network of Excellence**
 - Create a community of Researchers
 - In Systems Security
- **Multi-level constituency**
 - 8 partners
 - 51 Associated Members
 - 250+ Constituency
- **4 year project**
 - Currently we are in our third year
- **Next Event**
 - 2nd SysSec workshop: July 24th Bochum

Relation to EC policy Actions

- **Contributed to**
 - **H2020: The challenge of providing cybersecurity**
 - **Network and Information Security: Research Ideas**
 - **Privacy Protection and ICT: Research Ideas**
 - **Research Roadmap of EffectsPlus**
 - **NECOMA:**
 - a recently-funded initiative for collaboration with JAPAN

Outputs

- Check out our upcoming **Red Book** in systems Security
- It is a **Research Roadmap**
- Engaged more than 40 people
- Brainstorming sessions:
- “What if” sessions:
 - What if we run out of “malware”? What will be the major security/privacy threats then?
 - What if 50% of the computers on the Internet are compromised? What would you do?
 - What if everything you do is recorded somewhere?
 - What would the implications be?
- Define **GRAND CHALLENGE** problems

