Stocktaking of Cyber Exercises

Objectives

★ Provide a global overview of cyber exercises and their commonalities and differences

★ Provide lessons that could be used for future cyber exercises

Methodology

★ Step 1a: online survey based at ENISA's web site

★ Step 1b: desktop research

★ Step 2: analysis of stocktaking results

★ Step 3: International Conference
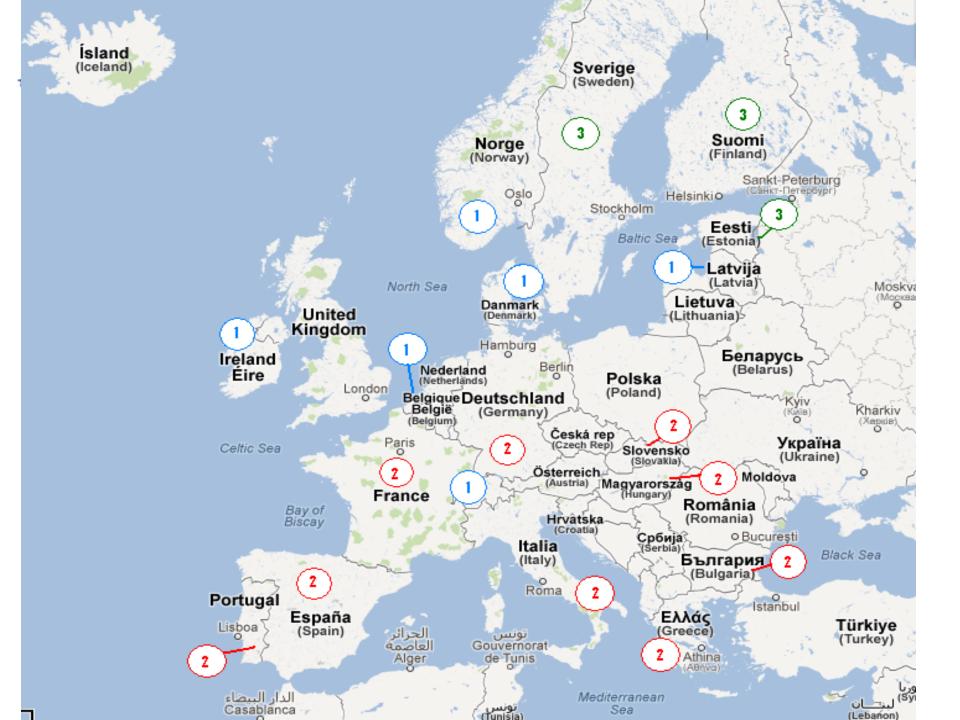
★ Step 4: publication of the final report

Stocktaking Results (tentative)

Basic facts and figures

- ★ N=64 (currently...)
- ★ Time period covered: 2004 to 2012
- ★ Number of EU participants: 18
- ★ Number of participants in multinational exercises: 58

Type of exercise

★ Wide variety in the types of exercises:
  - ★ (Distributed) table-top (19:64)
  - ★ Full Simulation (3:64)
  - ★ Workshop (3:64), or Comms check (2:64)
★ Focus of the exercise:
  - ★ Operational (29:64)
  - ★ Strategic (17:64)
  - ★ Tactical (10:64)
  - ★ Combined

Main conclusions (1)

* Cyber exercises are increased in the latest years (2010 →..)
  * Increasing threats of cyber crisis and trans-boundary crisis
  * Digital Agenda for Europe (EC)
* Exercises and cooperation efforts are in constant development
  * e.g. series of exercises
* Most countries participate in both **national** and **multinational** exercises, including both private and public stakeholders

Main conclusions (2)

- **Public-private liaison is essential due to private sector ownership of critical information infrastructures**
  - Yet, it is not always clear which measures are being tested
- **Extra attention necessary for:**
  - exercise management tools and monitoring methods

Recommendations (tentative)

★ Further development of the area of exercise management tools to support exercise organization

★ Exchange of good practices on cyber exercises

★ Bring the Cyber Exercise community closer

  ★ Organisation of International Conferences

Questions?

Questions for Discussion

Questions for discussion

★ Which are the main challenges generally when organizing cyber exercises?

★ How can we share good practices in the field of cyber exercises?

★ Would you propose organising more International Conferences like this one?