

IVLIS International Virtual Laboratory for Information Security

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International Day, Oct 25, 2018

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Overview

- Idea
- Partners
- Cooperation: Challenges and Highlights
- Lessons learned
- Conclusions and Outlook

Idea

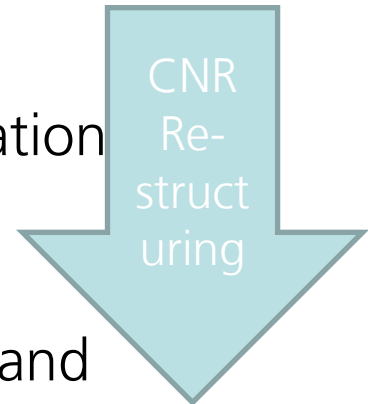
- Computer Science: inherently international
- Can FernUni students work together with students of different institutions and nations?
- For Computer Science: do a laboratory course!
- Find topic that attracts variety of students! → Security
- Avoid traveling: do a virtual laboratory!

Partners

- International partners: previous contacts and cooperation
→ project needs (lot of) mutual trust
- Prof. C. Cabaj, Warsaw University of Technology, Poland
Dr. L. Caviglione, CNR Italy → also teaching at nearby university

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Prof. A. Armando, Univ. Genova, Italy



Cooperation: Challenges and Highlights

- Technology: much more work than planned
- Credits: lab courses integrated into course modules
- New lab experiments extend scope of lab course

Lessons learned

- First test run of lab system (with 20 FernUni students) worked well
- Only small groups of polish and italian students for next run
- Future form of cooperation must be negotiated
- Easiest use: provide lab platform-as-a-service (PaaS),
or lab-as-a-service (LaaS)

Conclusions and Outlook

- Try to make all assumptions and requirements explicit
- Despite European Higher Education Space
→ lots of local / national particularities and regulations
- Try it still, it is exciting