



Connect. Communicate. Collaborate

GÉANT2 - Security (JRA2)

Christoph Graf, SWITCH
TF-CSIRT, Amsterdam
23 January 2006





Connect. Communicate. Collaborate

Recap

- GÉANT2 - Security aims at:
 - improving the overall security within the GÉANT2 community
- Main areas of activity
 - Improve the tools and collaboration framework of GÉANT2 security teams
 - “The Toolset”
 - The GÉANT2 co-ordination infrastructure
 - Explore the possibility to offer centrally provided services to GÉANT2 security teams
 - Traffic blackhole service of GÉANT2



Connect. Communicate. Collaborate

What's new in 2006?

- (JRA Meeting, Cambridge, January 2006)
- Tools:
 - from “what’s there?” to “what’s missing?” & “make it!”
- Co-ordination:
 - from “design” to “implementation”
 - covering training, BCP statements and policy requirements
- Central services: From “design” to “implementation”
- Risks (unchanged):
 - Major incidents may dramatically shift priorities and interests within the security community





Connect. Communicate. Collaborate

Looking at Risks

GÉANT

- GÉANT is (was) *connected with* NREN networks
- Securing GÉANT means protecting against customer network influence

GÉANT2

- GÉANT2 is *in parts based on* NREN network services (e.g. lightpath provisioning)
- Securing GÉANT2 implies securing the partner networks: requiring minimum security standards

->> Insecure partner networks pose a threat to GÉANT2

->> This risk needs to be managed by GÉANT2





Connect. Communicate. Collaborate

Proposed new focus

“Increase GÉANT2 overall security!”

- Challenges:
 - Help security-challenged NRENs to improve security
 - Security-challenged NRENs underrepresented in security activities (thus, try to get them on-board)





Connect. Communicate. Collaborate

Success factors

- Management commitment
 - Defining minimum security standards for all partners
- Separating applied research and operations (JRA vs. SA)
 - Deploying JRA2 results and offering training -> SA
- Involving the affected
 - JRA2 members likely to fulfil minimum standards
 - We need the involvement of partners below standard
- Community spirit
 - Experts to train the ones below standard

