



# GÉANT2 Security (aka JRA2)

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# Introduction

- GÉANT2: EU-sponsored project running Sept. 2004 to August 2008
- Divided into several classes of activities, one of them:
  - JRA: Joint Research Activity
  - Goal: preparing the grounds for new services in GÉANT2 (and successor)
- JRA2 is about “Security”:  
Aiming at improving the overall security within the GÉANT2 community
- 12 partners total, main partners:  
CESNET, DANTE, GARR, GRNET, SURFnet, SWITCH





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# Introduction

JRA2 consists of the following Work Items:

- WI-0: Management (SWITCH)
- WI-1: Securing GÉANT2 network elements and services (DANTE)
- WI-2: Building of security services (SURFnet)
- WI-3: Designing and establishing an infrastructure for co-ordinated security incident handling (GARR)
- WI-4: Relationship with TF-CSIRT (SWITCH)
- WI-5: Establishment of advisory panel (SWITCH)



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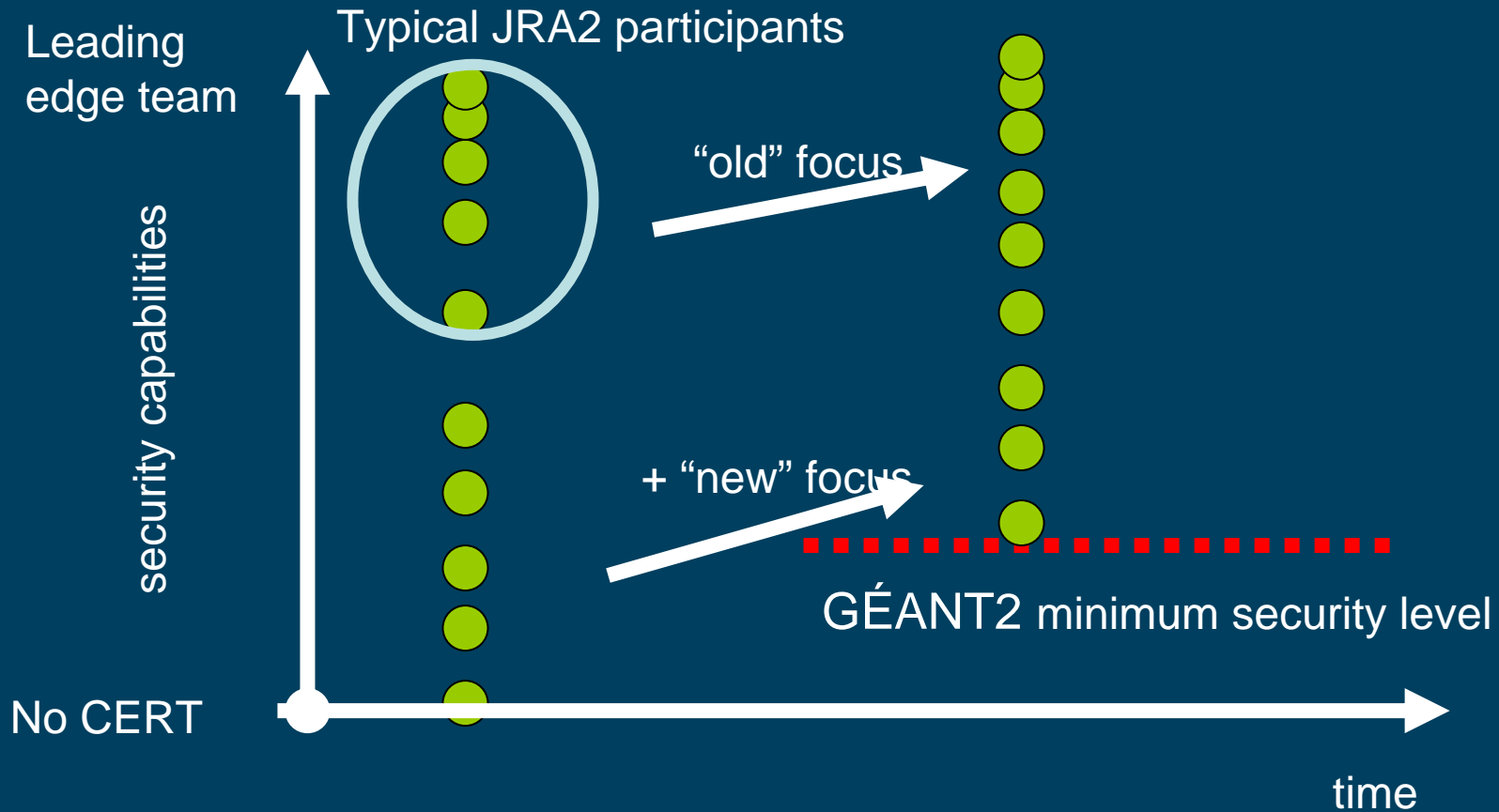
# JRA2 to date

- Security Policy for GÉANT2 (not publicly available)
- “The Toolset” (FlowMon, nfsen): requirement doc released, focussing now on advanced anomaly detection
- Co-ordination infrastructure: pilot report with recommendations released. Will be used to as a “GN2 Security Service Spec”.
- Formalised “security advice” from TF-CSIRT to GÉANT2 : first case concluded and available as deliverable
- Advisory panel report update released

# Security-Level of GÉANT2 partners



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# JRA2 outlook (Y3 of GÉANT2)



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- Focus on implementation and advanced services
- Service implementation: (relevant for all GÉANT2 partners)
  - set minimum standards for all GÉANT2 partners
  - Help partners to reach them
  - Make use of existing initiatives wherever possible
- Advanced services: (relevant for leading edge partners)
  - Advanced anomaly detection on the GÉANT2 network
  - Further developing the flow probe



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# Next steps

- JRA2 meeting tomorrow
- The GN2 Security Service deliverable due soon:
  - Will define “how much security” is required for GÉANT2
- Drafting the roadmap for all partners to live up to those recommendations/requirements
  - All GÉANT2 partners should be up to standard within the lifetime of GÉANT2 (August 2008), or earlier
  - Coloured maps help! Criteria: Memberships in TF-CSIRT+FIRST, level of listing in TI, maybe also some peer assessment value?