Advanced Networking for International Research

April 30, 2015
Internet2 Global Summit
Mary Hester, ESnet
Jakob Tendel, DFN
Sylvia Kuijpers, SURFnet
Delivering Services to Researchers

The program supports research collaborations with leading-edge network resources and consulting services to accelerate research.

Program committee solicits proposals from across the global community for technical and scientific evaluations.

3 round process:
  – First round—light weight abstract submissions from researchers
  – Consultation round
  – Second round—full proposal submission
Four projects in 2013
Challenges and Lessons

• Researchers are not ICT project managers
• Most of the work is in the local domains
• Bringing together researchers and their ICT departments is beneficial
• Tuning between network and higher layers at end sites is necessary
• Commitment is essential from all involved domains (NRENs, regional networks, campus, computing centers, etc.)
2015 NREN Partners
DFN joining
Enlighten Your Research Global
2015
Motivations and expectations
Facts & Figures on research in Germany

• More than 800 publicly funded research institutions

• Bilateral, European, and worldwide multilateral partnerships

• Gross Domestic expenditure on R&D (GERD): 75.5 billion euros
Facts & Figures - People

- 640,000 total staff in higher education
- 354,000 academic researchers
- 2.5 million students in total
- 281,000 international students (11.3%)
DFN

- Founded 31 years ago
- Membership organisation
- Self-funded through subscription fees
- Not-for-profit
- Annual budget/revenue ~40m EURO
- Provides max 100G, including access
EYR-Global, DFN's motivation

• Many leading big-data science sites in Germany
• Involved in the largest international collaborations
• Two of these sites involved in EYR-Global 2013
• The trend is toward more distributed projects
EYR-Global, DFN's expectations

• EYR-Global helps promote the value of advanced networking and services, requires more interactive service provision

• DFN will use participation in EYR-Global to develop the required cooperation model and to increase the visibility of the available services in more scientific communities
ENLIGHTEN YOUR RESEARCH GLOBAL

ADVANCED NETWORKING FOR INTERNATIONAL RESEARCH

FIND OUT HOW TO PARTICIPATE

www.enlightenyourresearch.net
Thank You!

@EYRprogram