



11th SIG-NGN Meeting

Large science experiments and networking futures

Edoardo Martelli (CERN)

20 April 2023

Public

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Mian Usman (GÉANT)

Rudolf Vohnout (CESNET)

Gyöngyi Horváth (GÉANT)

Agenda

09:00 - 09:10 ('10) **Introduction and welcome**

Edoardo Martelli (CERN)

09:10 - 10:30 ('80) **What R&E networks are doing for Big Science?**

Host: Mian Usman (GÉANT)

- GÉANT - Bram Peeters (GÉANT) - '15
- IPv6 traffic - Bruno Hoelt (KIT) '15
- PerfSONAR - Lætitia A Delvaux (PSNC) '15
- SURF - Alexander van den Hill (SURF) - '10
- Internet2 - Chris Wilkinson (Internet2) - '10
- Q&A discussion - '15

10:30 - 11:00 ('30) Coffee break

11:00 - 12:30 ('90) **Big science user requirements I**

Host: Edoardo Martelli (CERN)

- SKA - Rosie Bolton (SKA) '25
- ITER - Peter Kroul (ITER) '25
- HL-LHC dataflows: An experiment view - Mario Lassnig (CERN)'25
- Q&A discussion - '15

12:30 - 14:00 ('90) Lunch break

Agenda

14:00 - 15:00 ('60)

Big science user requirements II

Host: Rudolf Vohnout (CESNET)

- Computing Models for Processing Streaming Data from DOE Science - Graham Heyes (Jefferson Lab) '25
- Integrated Research Infrastructure - A DOE ASCR Initiative to Accelerate Science - Chin Guok (ESnet) '25

15:00 - 15:30 ('30)

Meeting the requirements

Host: Mian Usman (GÉANT)

- International Connectivity - Pieter de Boer (SURF) & Sebastiano Buscaglione (GÉANT)

15:30 - 16:00 ('30)

Coffee break

16:00 - 16:40 ('40)

Mapping big science requirements to what the R&E Networks are doing

Host: Edoardo Martelli (CERN)

- ESCAPE: 'Large science experiments and networking futures' - Yan Grange (ASTRON / LOFAR)'20
- ESnet science user requirements - Eli Dart - '20

16:40 - 17:30 ('50)

Facilitated discussions

Host: Enzo Capone (GEANT) & Eli Dart (ESnet) - '50

17:30

End

Thank you and see you next time!

<https://wiki.geant.org/display/SIGNGN/Next+Generation+Networking+Home>

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