Operations and plans - Slovak sites

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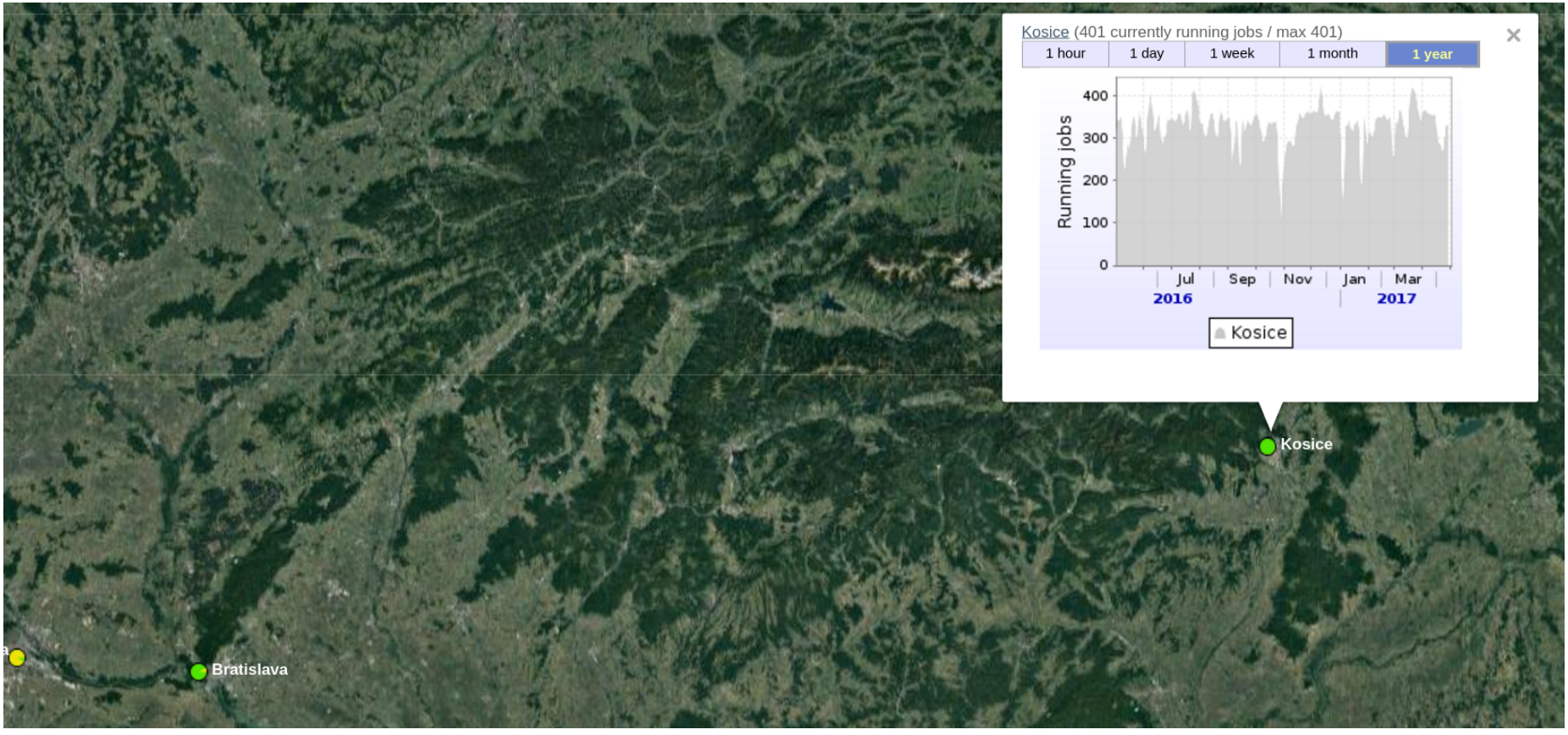
Outline

- Current status
  - Slovak sites information
  - CPU and SE in 2016
- Future plans
  - CPU upgrade in 2017
  - SE upgrade in 2017
  - IPv6 support
  - EOS SE and xrootd migration

Slovak Sites on Map



Slovak Sites on Map

Slovak sites info

- UNIBA Bratislava
  - Michal Meres
  - Tibor Zenis
- IEPSAS Košice
  - Miloslav Straka
  - Ingrid Kulkova
- funding from Ministry of Education
  - CERN and LHC experiments
  - current agreement for five-years (started 2015)

Site setup for Bratislava and Kosice

- 2016
  - CREAM-CE
  - Torque+Maui
  - Xrootd SE
- 2017
  - HTC Condor CE (HTCondor) or ARC
  - EOS storage
  - Migrate XROOTD SE to EOS

CPU resources

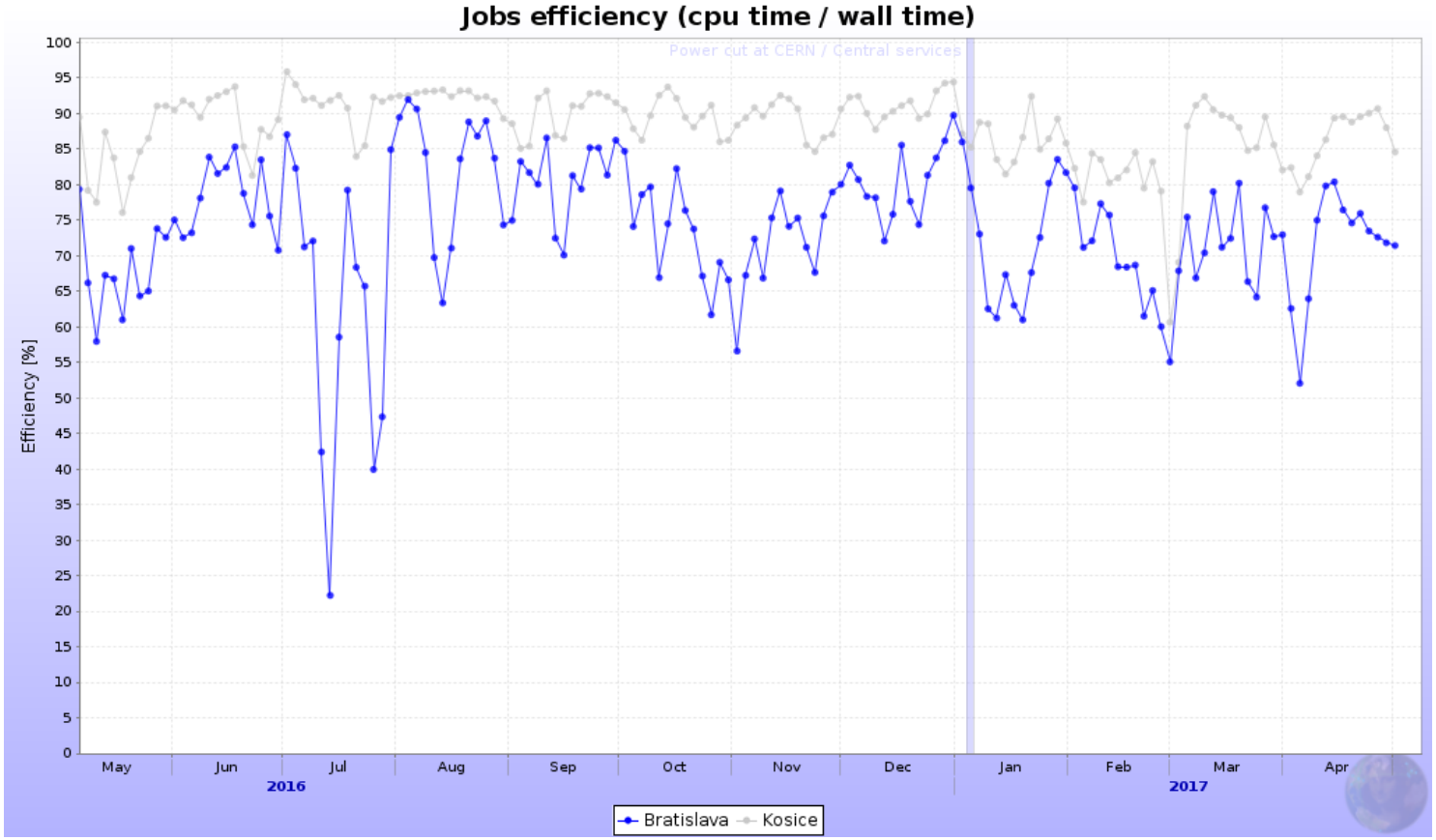
- 2016
  - Bratislava : 508
  - Kosice : 404
  - Slovak sites (SUM) : 912
- 2017
  - Bratislava : 610 (+102)
  - Kosice : 436 (+32)
  - Slovak sites (SUM) : 1046 (+134)

Storage

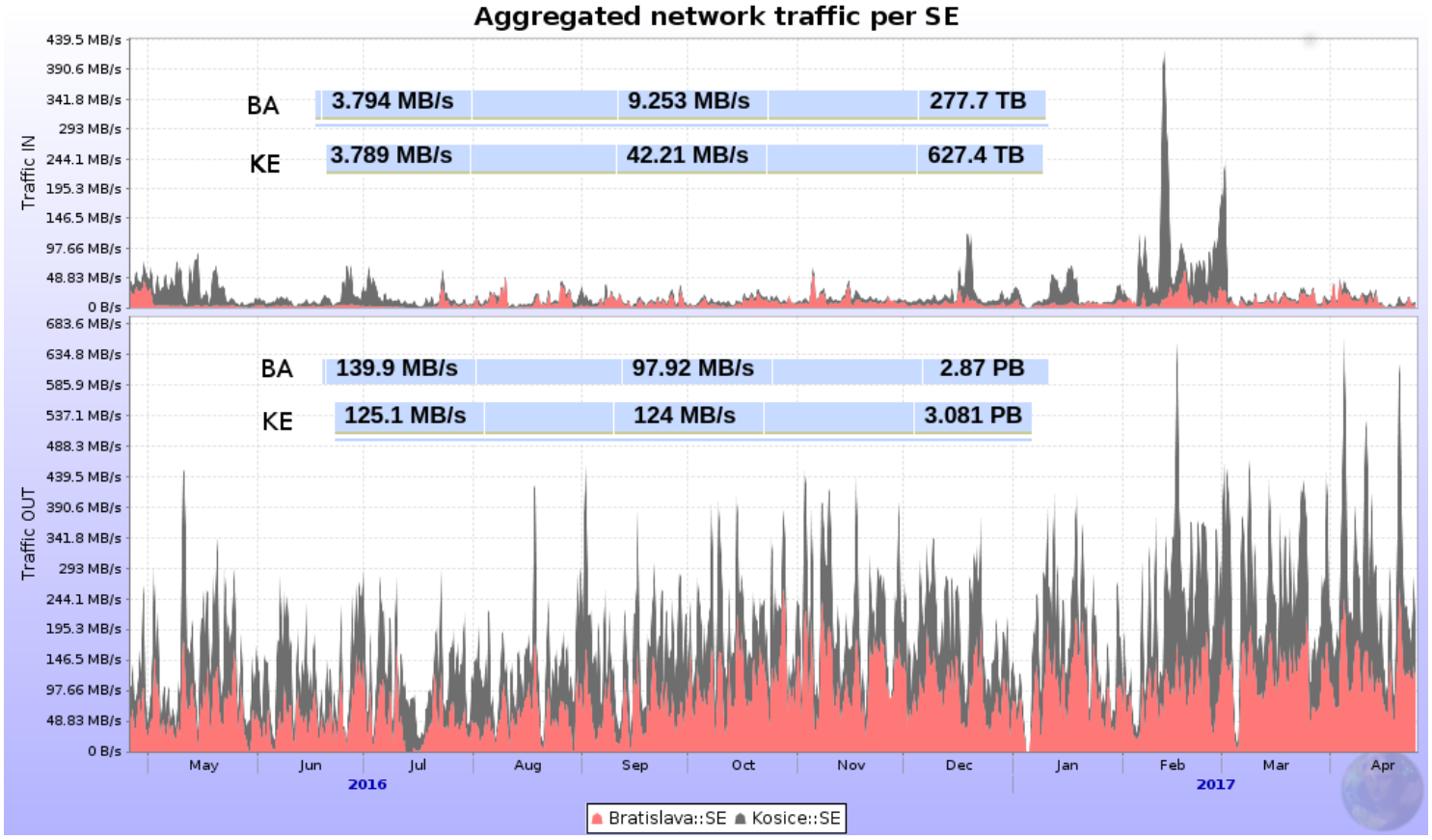
- 2016
  - Bratislava : 265 TB
  - Kosice : 617 TB
  - Slovak sites (SUM) : 882 TB
- 2017
  - Bratislava : 462 TB (+197 TB)
  - Kosice : 799 TB (+182 TB)
  - Slovak sites (SUM) : 1.26 PB (+379 TB)

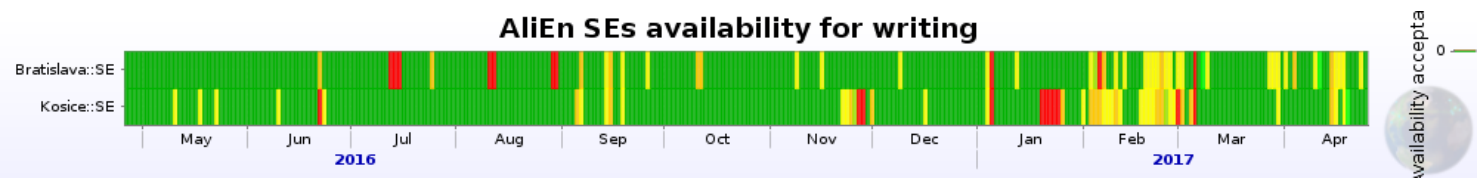
Running jobs

Job efficiency



Storage traffic





Future plans

- IPv6
  - IPv6 is not supported yet by national network provider. We are actively discussing with them to start such support soon.
- EOS SE
  - Currently running Xrootd storage element with xrootd v4.5.1
  - Planing to setup EOS SE and migrate xrootd SE to EOS
  - Few questions:
    - Where is EOS installation and managment doc for ALICE?
    - EOS: Is it enough to build clean EOS instance? What is ALICE addition?
    - EOS: Can we use one EOS instance for ALICE and ATLAS?
    - EOS: Will user be able to see LFN in local EOS instance? Or only via AliEn catalogue?

THE END

Thank you