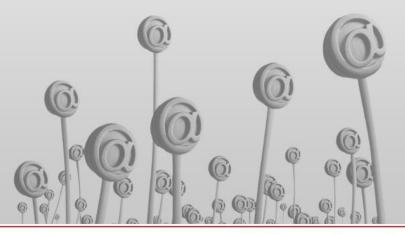


# ICT Research Infrastructure in Poland

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Secretary of State
Ministry of Science and Higher Education













### **PIONIER – Polish Optical Internet**

- 6494 km of optical fibers covering the whole country
- Educational and Research Network
- access to PIONIER and European GÉANT for the whole research community in Poland
- test environment for advanced applications and services ⇒
  steps toward Future Internet infrastructure & research



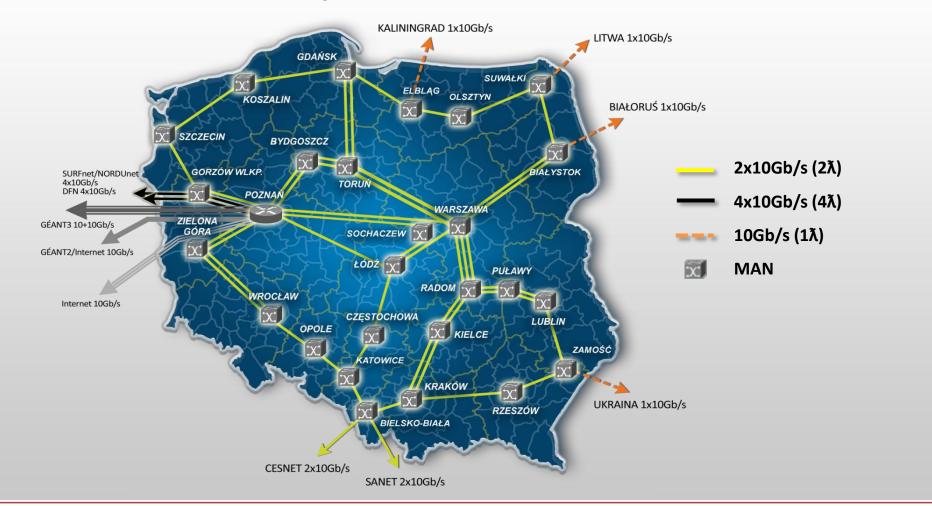








## **PIONIER – Polish Optical Internet**













### **Supercomputing Centres in Poland**

- 5 supercomputing centres in Poland
- 3 supercomputing centres in Top500\*:
  - ✓ #81 ZEUS, Academic Computer Centre CYFRONET AGH, Cracow Spec.: Cores 11694,  $R_{max}$  104,7 Tflops,  $R_{peak}$  124,4 Tflops (2011)
  - ✓ #163 GALERA PLUS, Gdansk University of Technology, CI TASK Spec.: Cores 10384,  $R_{max}$  65,6 Tflops,  $R_{peak}$  97,8 Tflops (2011)
  - ✓ #194 SUPERNOVA, Wroclaw Centre for Networking and Supercomputing Spec.: Cores 6348,  $R_{max}$  57,4 Tflops,  $R_{peak}$  67,5 Tflops (2011)

\* June, 2011











#### **Development of ICT Research Infrastructure**

- Constant upgrade and development of e-Infrastrucutre from state resources and structural funds
- Development of ICT research infrastructure financed from EU structural funds under Operational Programme "Innovative Economy" 2007-2013, e.g.:
  - ✓ **PL-Grid** Polish Infrastructure for Supporting Computational Science in the European Research Space (Budget: ~ € 18.14 m, Duration: 2009-2012)
  - ✓ **PLATON** Service Platform for e-Science (Budget: ~ € 19.00 m, Duration: 2009-2011)
  - NewMAN development of 21 regional networks (Budget: ~ € 19.95 m, Duration: 2009-2012)
  - ✓ **POWIEW** Program for Computations of Great Challenges of Science and Technology (Budget: ~ € 12.35 m, Duration: 2009-2012)









#### e-IRG WORKSHOP

Poznań 12-13 October 2011



http://www.nauka.gov.pl







