

Polish Tier-2

Ryszard Gokieli

Institute for Nuclear Studies

Warsaw

Polish HEP(LHC) centres

Cracow (*Kraków*)

Institute of Nuclear Physics, University of Science and Technology

- **ATLAS** (*12 physicists, 3 PhD students*), **LHCb** (*7+1*), **ALICE**
- *Neutrino, Belle*
- *ZEUS, H1*

Warsaw (*Warszawa*)

Institute for Nuclear Studies, University, Technical University

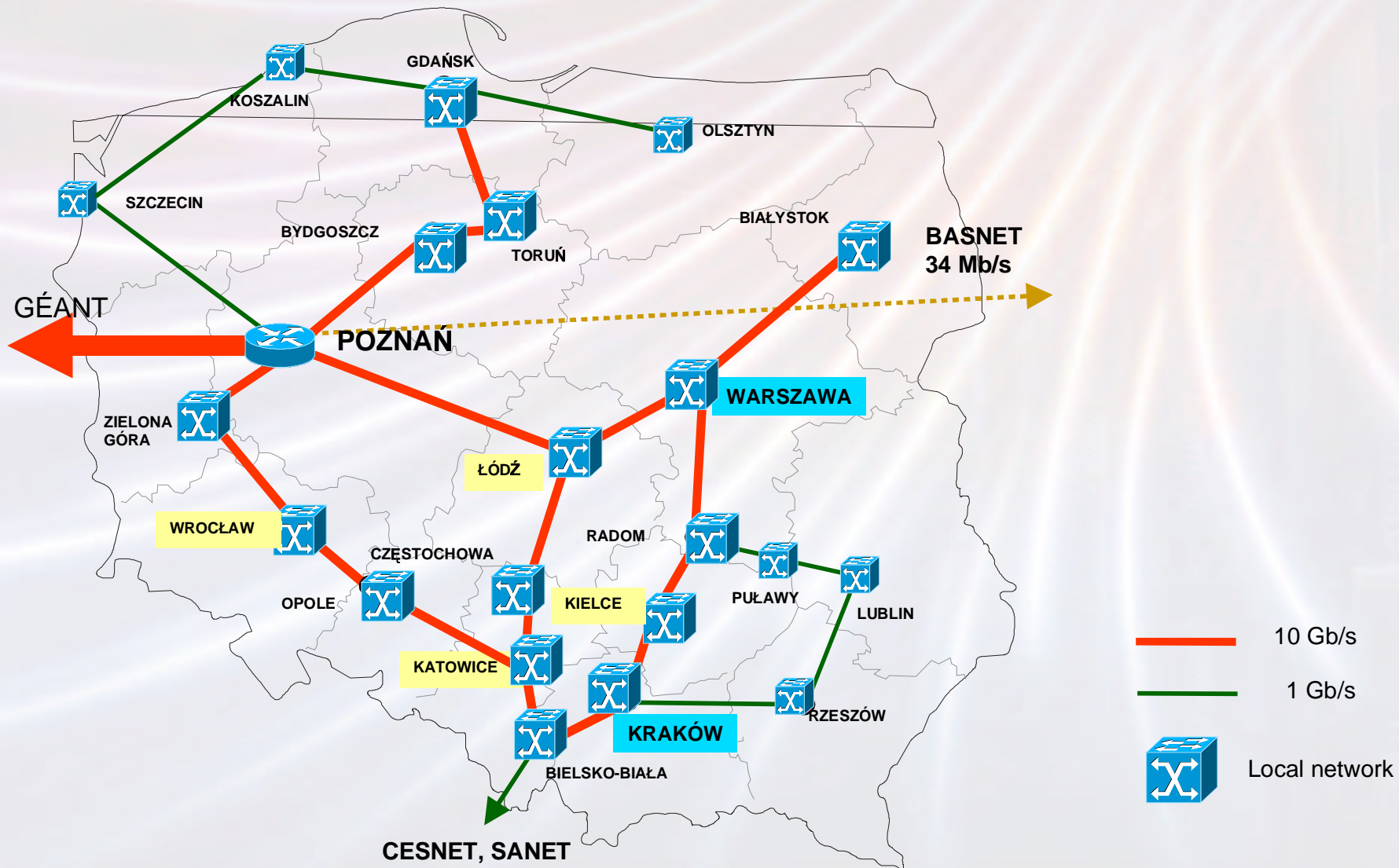
- **CMS** (*5 physicists, 6 PhD students, ~3 engineers*), LHCb, Alice
- *COMPASS*
- *Neutrino*

Polish LCG/EGEE centres

- Cracow:
 - CYFRONET – Academic Computer Centre
 - <http://www.cyfronet.pl/>
- Warsaw:
 - ICM – Interdisciplinary Centre for Mathematical and Computational Modelling
 - <http://www.icm.edu.pl/>
- Poznań
 - PCSS – Poznań Supercomputing and Networking Centre
 - <http://www.man.poznan.pl/>



Polish network



Cracow computing centre

Available for LCG in early 2006:

- ~130 kSi2000
 - 100 CPUs (Xeon 2.4 – 2.8 GHz) available now
 - 200 CPUs (Xeon 3.0 Ghz) coming soon
- ~20 TB disk array
- ~24 TB tape storage

Warsaw computing centre

Available for LCG in early 2006:

- ~290 kSi2000
 - 180 CPUs (AMD Opteron 2.4GHz, 2GB RAM/CPU) available now
 - 40 CPUs (AMD dual-core, 4GB RAM/CPU) coming soon
- ~9 TB disk array

Poznań computing centre

Available for LCG in early 2006:

- ~180 kSi2000
 - 100 CPUs (Itanium 2GB RAM/CPU) available now
 - ~90 more coming soon, details not yet fixed
 - ~2 TB disk array
 - ~5 TB tape storage
- **Operation centre for Polish academic network**

Tier-2 federation

- Poland is a **federated** Tier-2
- HEP community rather small (*~60 people*)
- Each of the computing centres naturally will support mainly 1 experiment
 - Cracow – ATLAS
 - Warsaw – CMS
 - Poznań – ALICE (*because they have Itanium processors*)
- This probably means that each centre will be about 1/3 of the average/small Tier2 for a given experiment (???)