

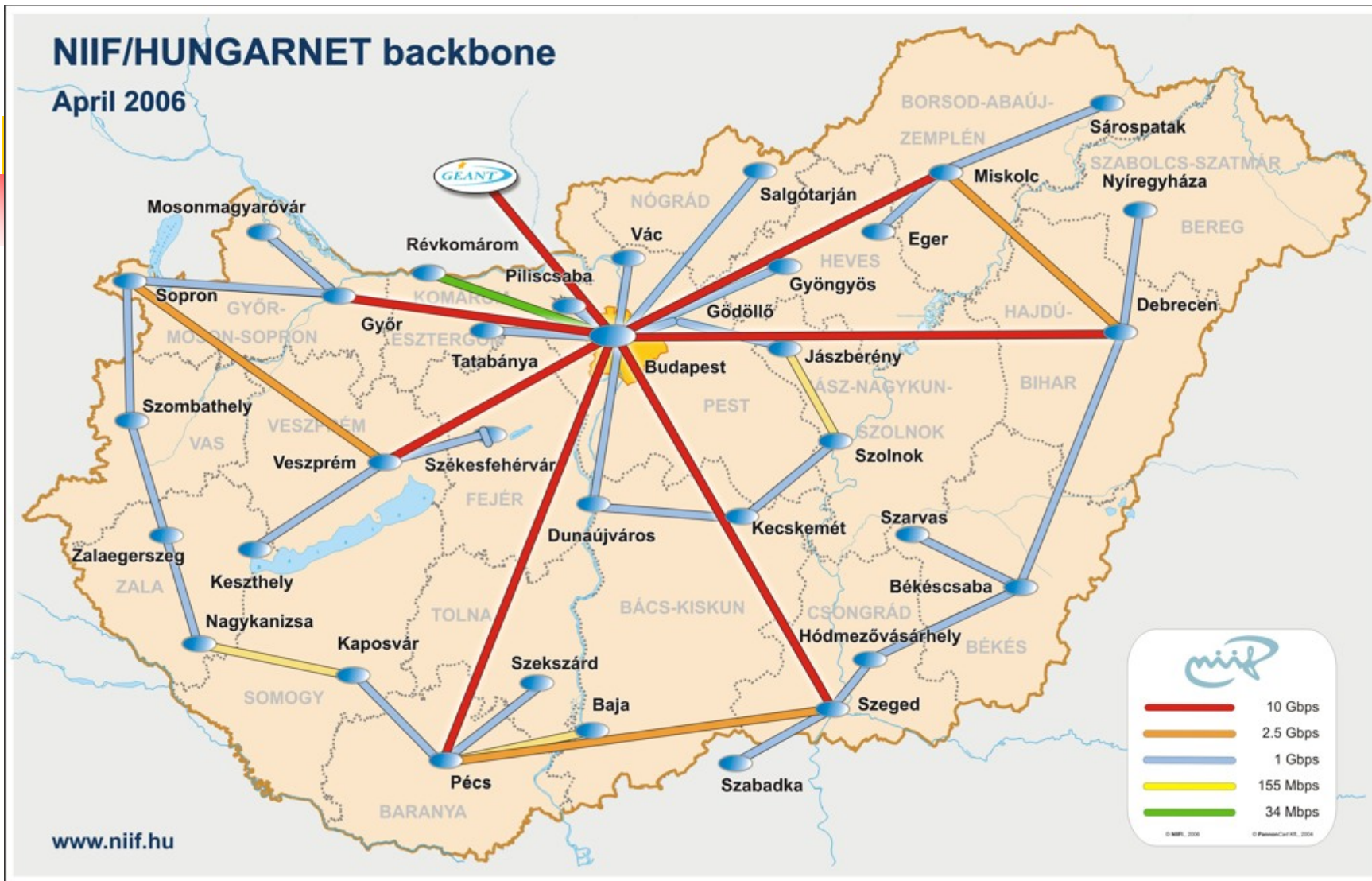


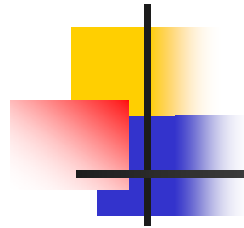
(HEP) GRID Activities in Hungary

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NIIF/HUNGARNET backbone

April 2006





National Grid Initiative

- Not really, but something near to it:
 - Hungarian Grid Competence Center
www.mgkk.hu
 - 2003 – five most active grid participants
 - 2 universities – BME, ELTE
 - 2 reserch institutes – SZTAKI, RMKI
 - + network operator/developer - NIIF



Funding

- Individual grants, no real coordinated efforts
- Joint effort by MGKK for a larger grant not successful in 2005
- National Development Plan 2007-2013 >50 million EUR

The logo consists of three overlapping squares: a yellow one at the top left, a red one at the bottom left, and a blue one at the bottom right. A black crosshair is superimposed over the squares, with the vertical line passing through the center of the yellow square and the horizontal line passing through the center of the red square.

HunGrid VO

- General purpose scientific and educational national VO – students and other people wishing to learn or experiment with grids can become members easily
- SZTAKI, RMKI, ELTE and a few other sites support it
- Ramping up stage - advertised to both users and sites wishing to join
 - <http://www.grid.kfki.hu/?hungrid&hungridgeneral>

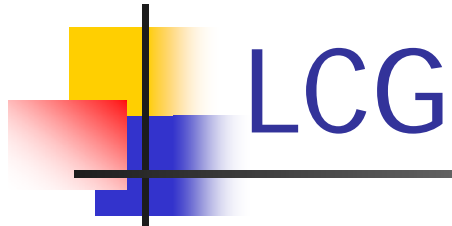


Clustergrid

- General purpose grid project
- ~1000 CPUs, ~30 TB (~30 labs from ~20 universities)
- Collection of Condor pools in night+weekend operation mode
- LCG – Clustregrid gateway under consideration (not easy)
- <http://www.clustergrid.niif.hu>



- Participation in phases I and II – MGKK members
- NA1-5, SA1
- EGEE'07 in Budapest



- LHC VOs supported by ELTE, NIIF, RMKI
- RMKI – Research Institute for Particle and Nuclear Physics, Budapest
 - 7th member in LCG (June 2003)
 - 50 CPUs, 1.5 TB disk
 - Participation in solving early LCG deployment problems
 - Some were even dreaming about becoming a T1
 - Reality: T2 MOU is not signed yet



- LCG site name: Budapest
- 110 CPUs + 6.5 TB (DPM), gLite 3.02
- All LHC VOs + a few others are supported
- 2/3 CMS, 1/3 Alice site on the longer run
- Alice participation just beginning



CMS participation

- Small but active T2 center
 - SC4 and CSA06
 - Monte Carlo production
 - PheDex transfers
 - Running robot jobs
 - <http://www.lcg.kfki.hu/?lcg&lcgwelcome>



Next steps

- Get more people involved, especially students
- Add sites at T3 level
- Increase CPU and disk capacities at the T2s
- Sign the T2 MOU with LCG
- Have a real NGI
- Participate in Alice and CMS as a small, but fully operational T2