The Central European Grid Consortium (CEGC): A View from Local, Regional and European Perspective

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CEGC Composition

AUSTRIA
1. University of Innsbruck
2. University of Linz

CZECH REPUBLIC
3. CESNET (Prague)

HUNGARY
4-8. SZTAKI, RMKI, BUTE,
     ELTE, NIIFI (Budapest)
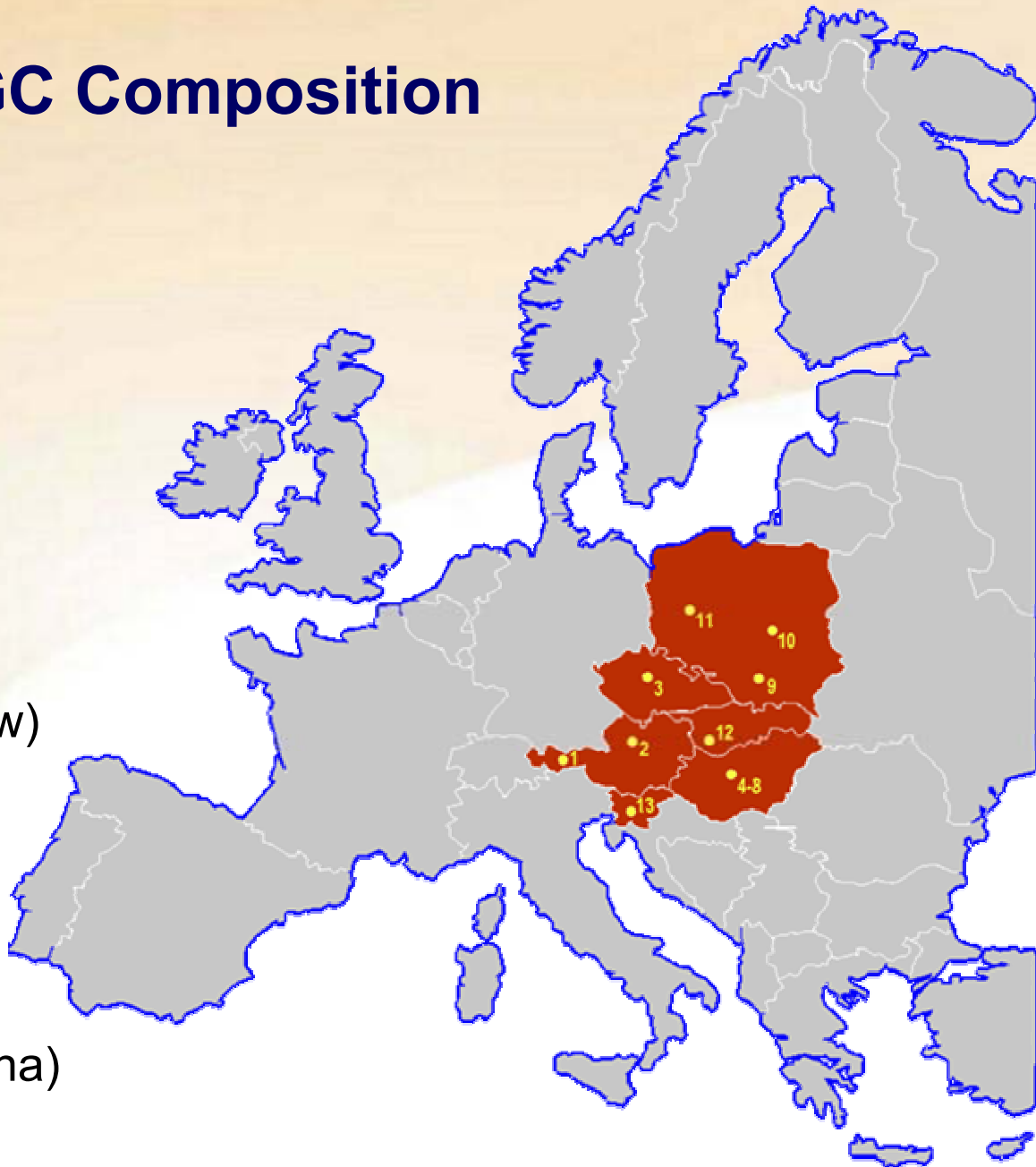
POLAND
9. ACC CYFRONET (Cracow)
10. ICM (Warsaw)
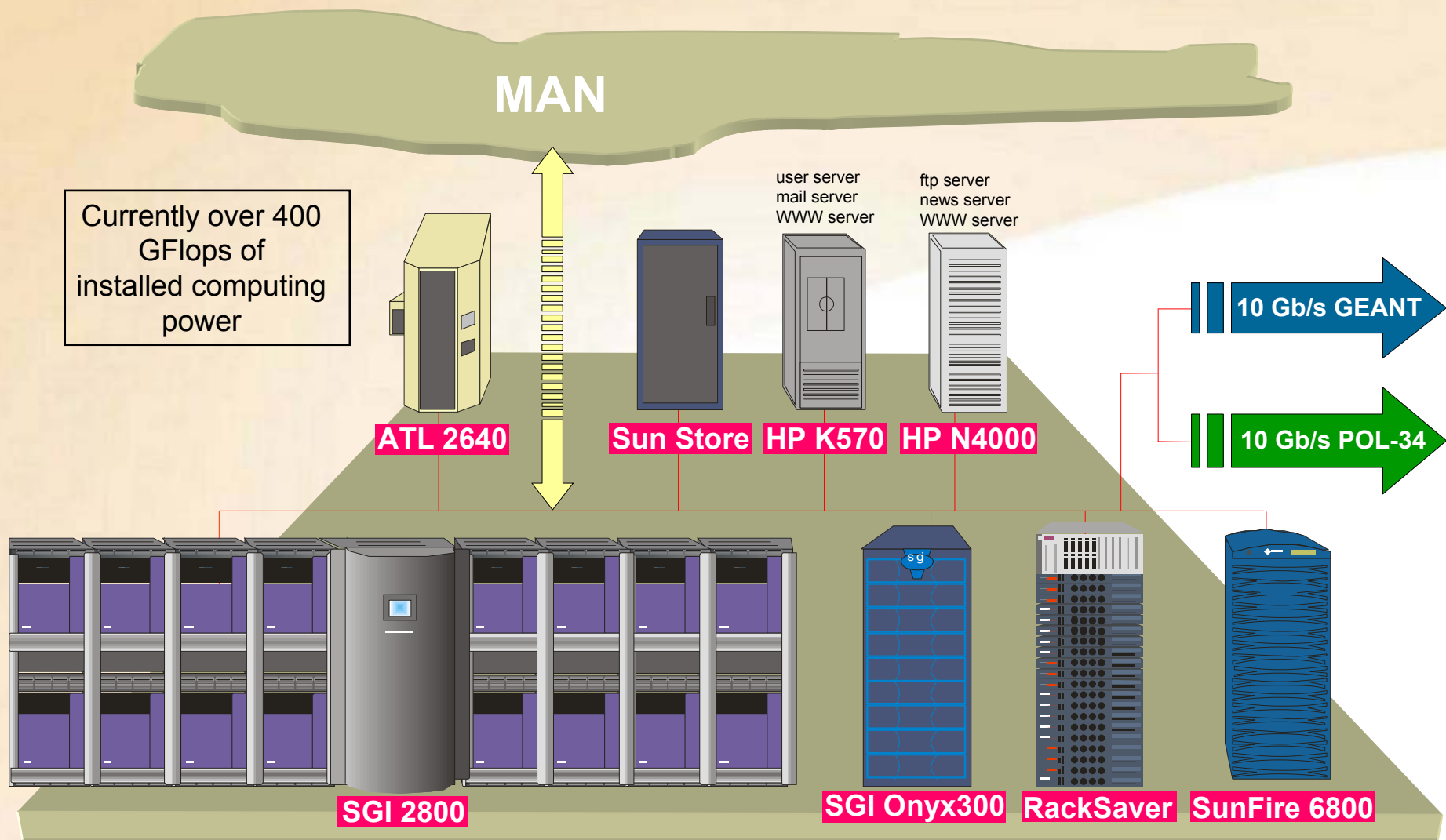11. PSNC (Poznan)

SLOVAKIA
12. II SAS (Bratislava)

SLOVENIA
13. J. Stefan Institute (Ljubljana)

CYFRONET Resources

MAN

Currently over 400 GFlops of installed computing power

user server
mail server
WWW server

ftp server
news server
WWW server

ATL 2640

Sun Store

HP K570

HP N4000

10 Gb/s GEANT

10 Gb/s POL-34

SGI 2800

SGI Onyx300

RackSaver

SunFire 6800

The Central European Grid Consortium

The CEGC is an association of 13 leading academic HPC and networking centres from Central Europe

CEGC partners have extensive experience in both Grid research and European cooperation, being involved in numerous EU-funded projects, including:

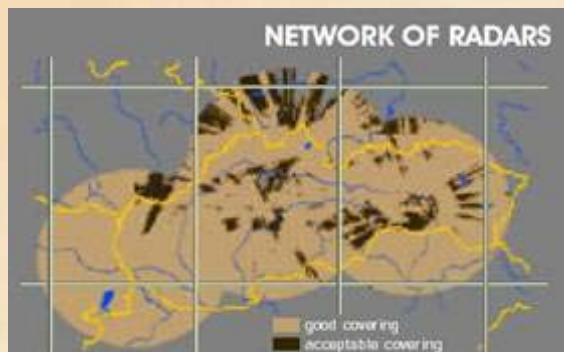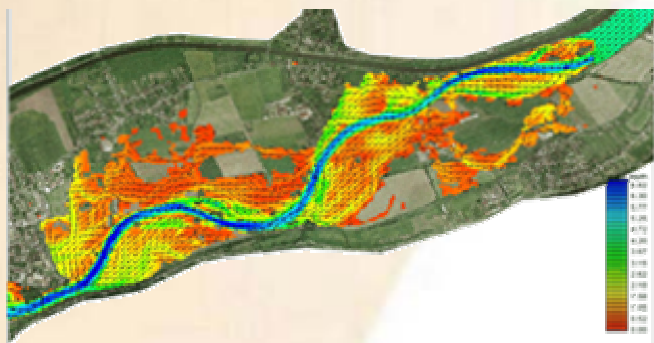|				
Trailblazing European Grid development project	European Grid for interactive applications	Grid application toolkit and testbed	European Unicore Grid application testbed	EU Grid dissemination, roadmap and training

Other projects: Pellucid, 6WINIT, ProAccess, GRIP, etc.

FloodGrid: A Sample CEGC Project

From meteorological data…

…to flood forecasts

- Interactive computing Grid aimed at forecasting and management of flooding crises throughout Europe
- Involves a cascade of time-critical simulations (meteorological, hydrological and hydraulic)
- Requires substantial computing power in burst-type activity cycles
- Pilot project currently being deployed for the Vah river basin (Slovakia) as part of CrossGrid

CEGC Engagement in EGEE

• **Grid Operations Center**

The CEGC institutions have agreed to develop and maintain a joint Central European Grid Operations Center, providing computing and storage resources, as well as Grid access points and user services

• **Dissemination**

A range of dissemination activities is planned within the EGEE framework, including presentations, user training and scientific contacts with other European Grid projects