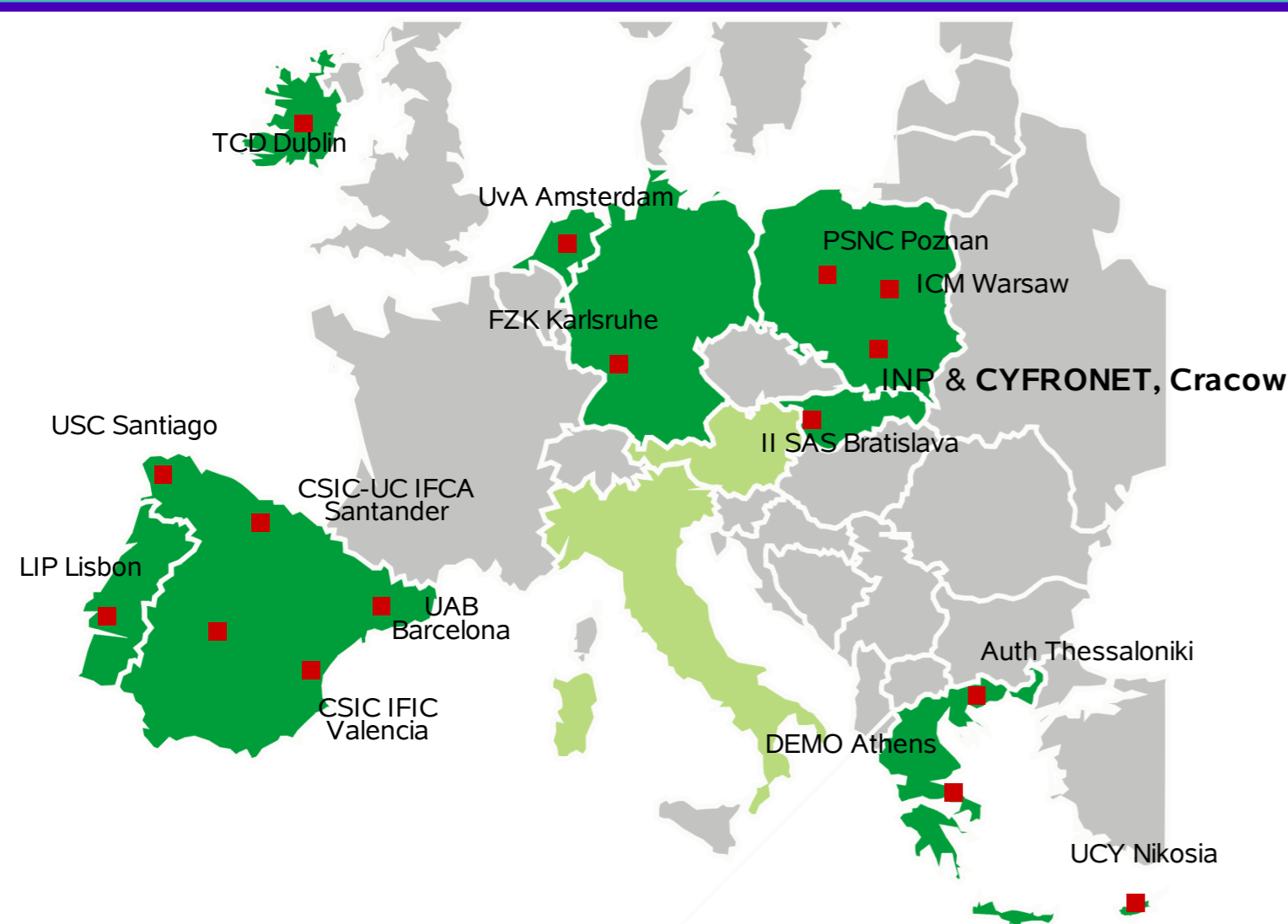


# CrossGrid Testbed Cluster at ACK Cyfronet AGH

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## CrossGrid Testbed



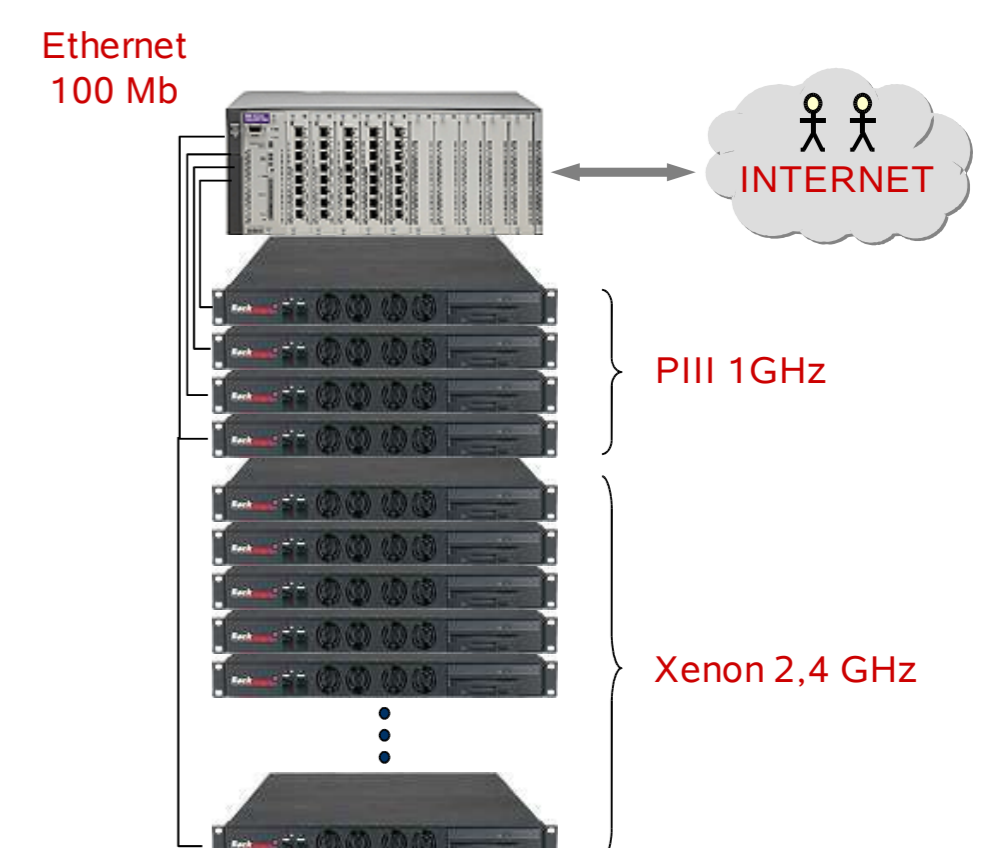
Testbed Cluster at ACK Cyfronet AGH in Kraków is a part of CrossGrid Project testbed network, which involves 16 partners from 9 countries across Europe.

The Testbed Cluster is also a part of worldwide LCG-1 installation.

## Cluster Architecture



- 27 nodes – 54 CPUs:  
8 x Pentium® III 1GHz, 46 x Xeon® 2.4 GHz
- Over 3 TB of total disk storage
- *FastEthernet* network connectivity
- KVM console for monitoring and maintenance



## Software Configuration

### Grid Middleware

EDG/LCG-1 software with Globus 2 for grid services, OpenPBS for scheduling

### Software Packages

ATLAS for HEP applications, Gaussian, Mathematica, development environment: C/C++, Java, Fortran + grid libraries

### Automated Installation

LCFGng Installation and Configuration System with configuration profiles synchronized with central repository

### Cluster Monitoring

GANGLIA – distributed system for large scale cluster monitoring with additional temperature sensors