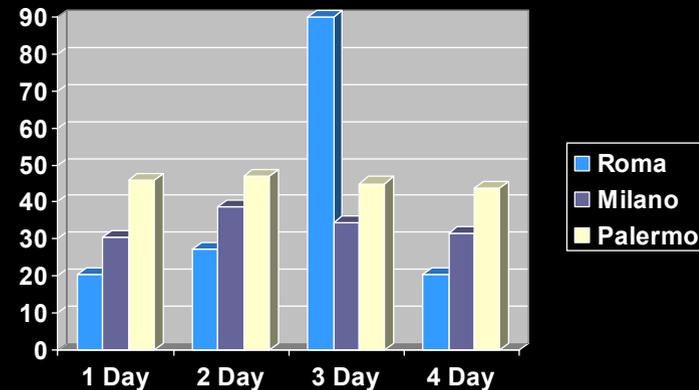


Group 5

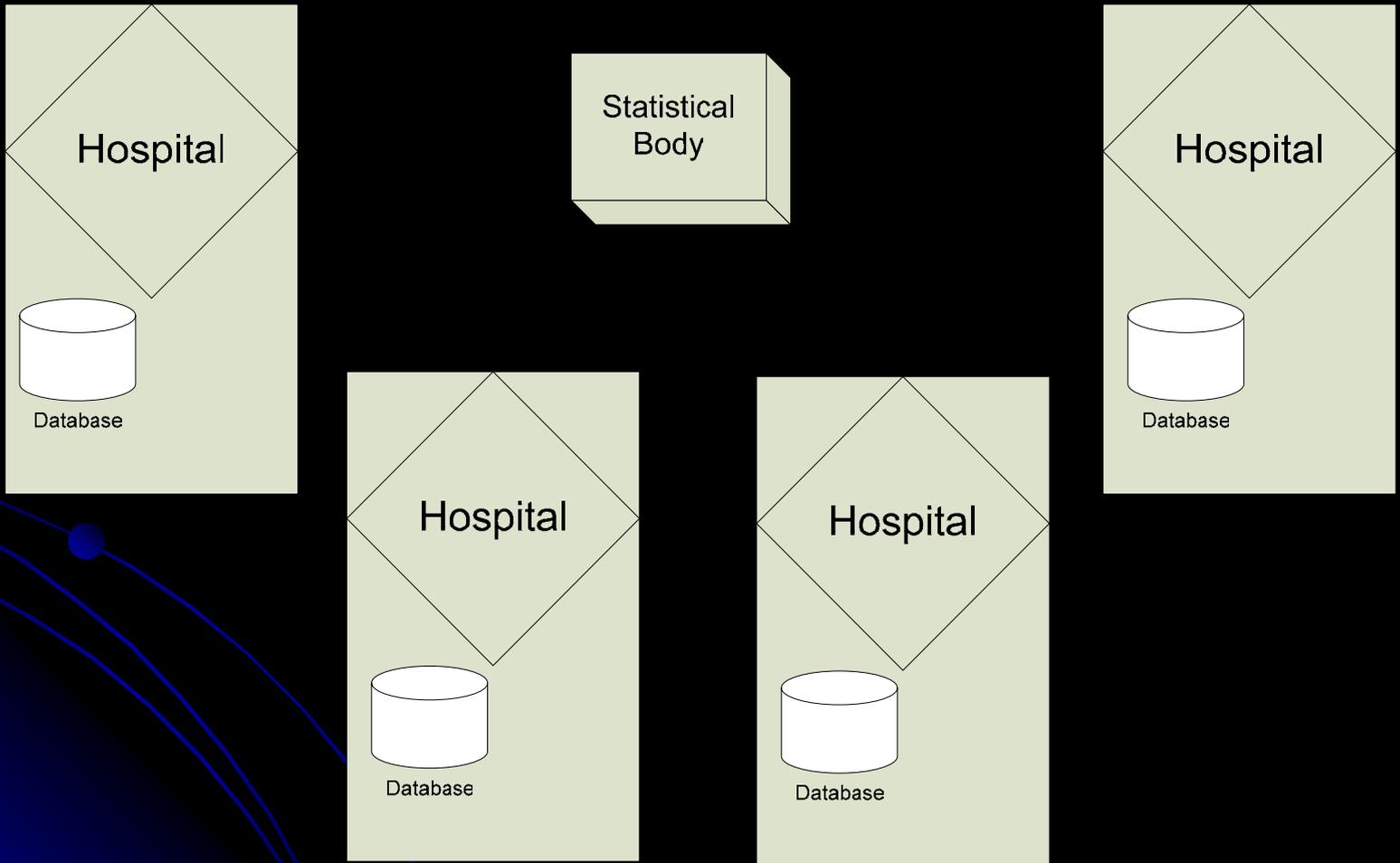


Task Description

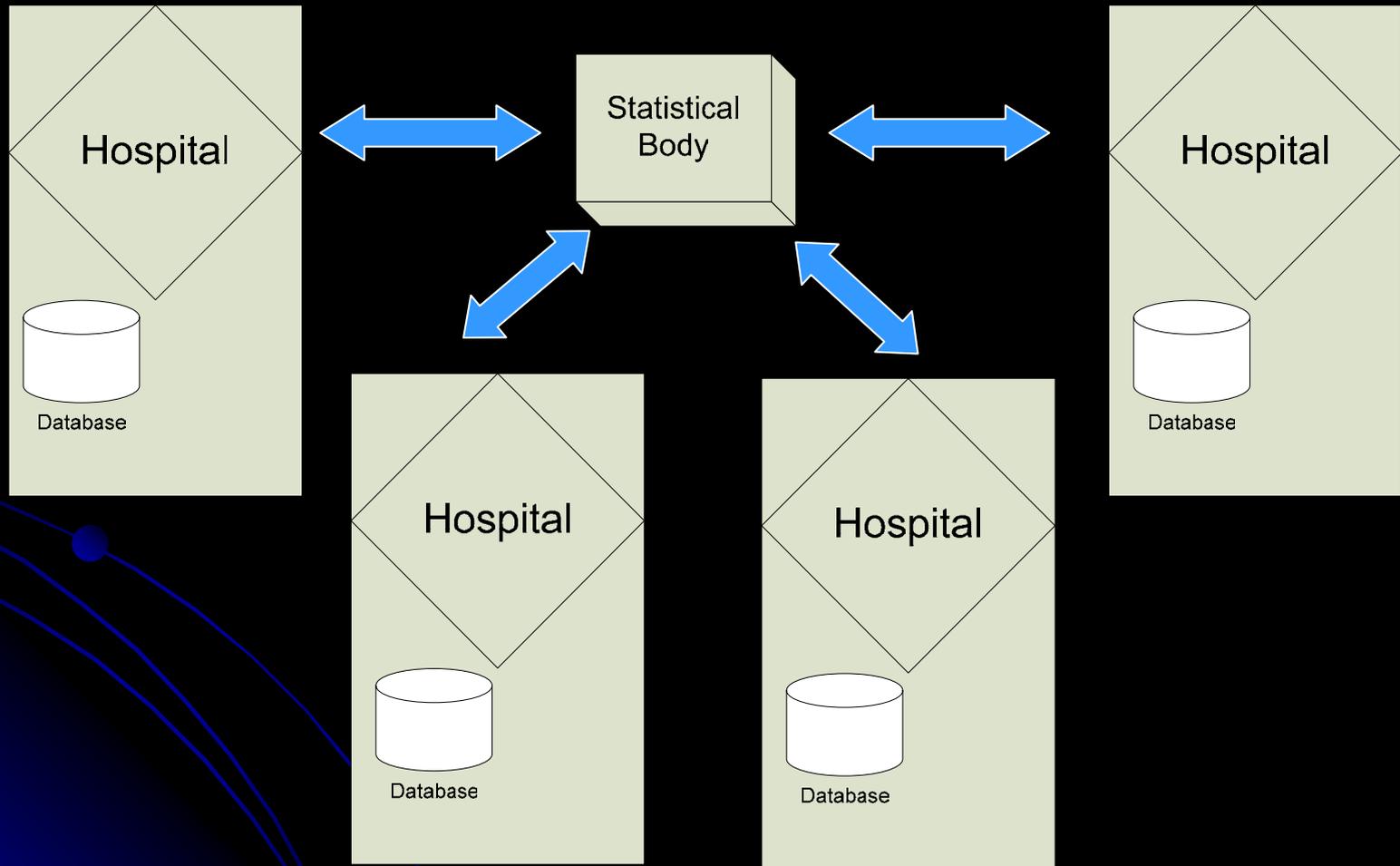
- **HAVE:** Multiple databases, Geographically Distributed with different type of data format / system
- **WANT TO DO:** Distributed Access
- **ENABLE:** Statistical Monitoring by different Bodies
- **NEED:** Ethical approval (and privacy)



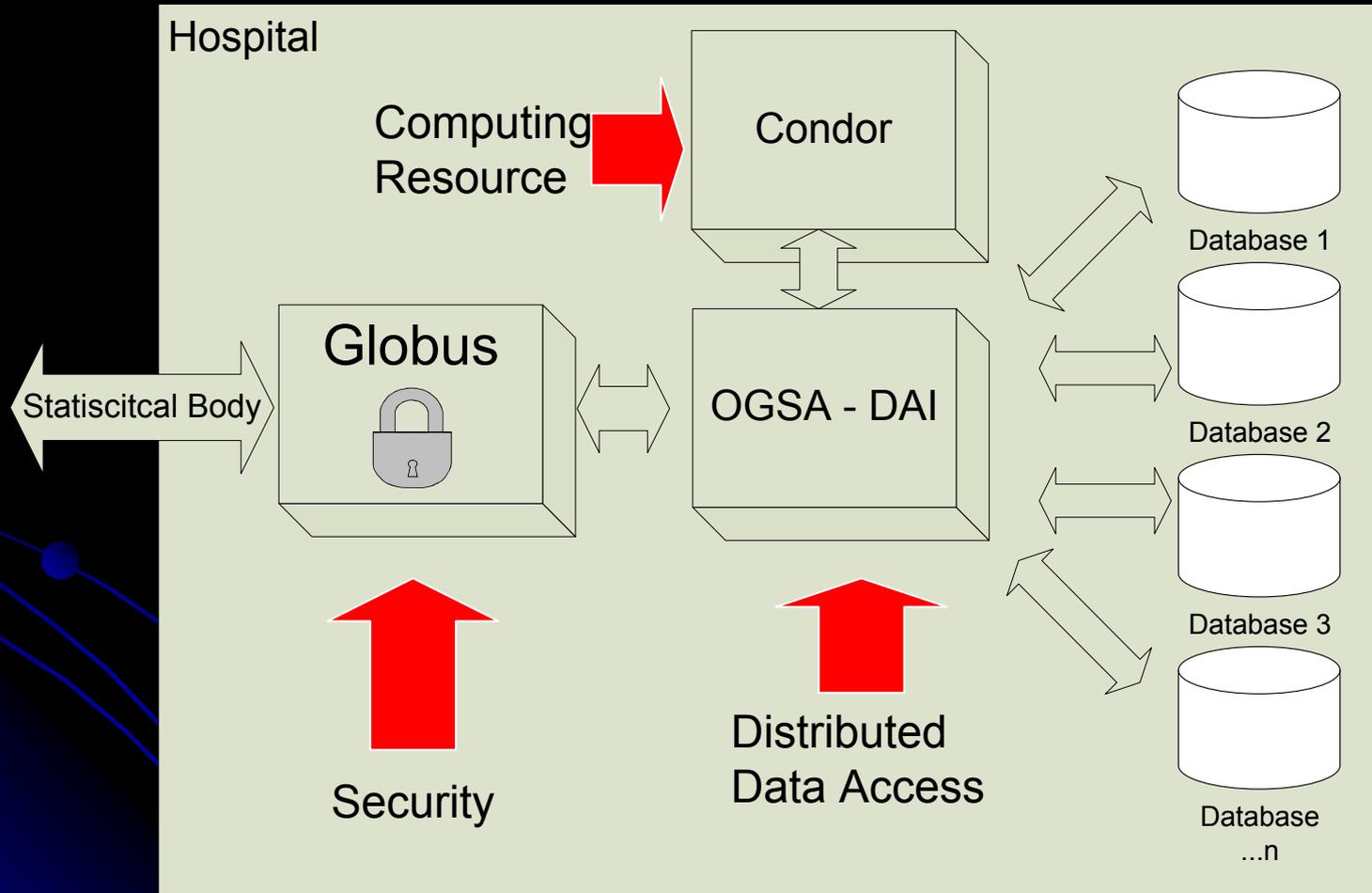
Problem:



Using Grid Technology:



Internal Structure



Technology in Use

- **Globus:** Provision of Grid interface, security, transport protocols, policies, etc.
- **OGSA-DAI:** Query Heterogeneous Distributed Databases
- **CONDOR:** Provision of computing resources for search tasks



Problems to be tackled:

- Privacy
- Ethical Approval
- Access policies from social aspect
(who has access)



Conclusion

The proposed system is a possible implementation of a Grid based technology for the access of statistical data from different resources.



1. The search for the Pillars

- Random Scan around suspected points (18 couples for almost ten pillars)
- Extract high points
- Find edges
- Scan Surfaces - Visualise



Technology used:

- Constraints: a point falls in a pillars if:
 - = Is highest than other
 - = The neighbours are high
- The search can be split and distributed on different machines
- Each square (centralized around a suspect point) is assigned to n machines that randomly scan the area and choose that points which satisfy the constraint
- The suitable technology seems Condor



Contribution

- Rosa Palmiero
- Douglas Russell
- Manuel Glorioso
- Ashiq Anjum
- Enrico Fattibene
- Sharath Babu Musunoori
- Mark Tice
- Florian Urmetzer

Discussion

Planning

Problem solving

Layout of Presentation



School Feedback

- Beautiful place with brilliant food!
- Lots of detail, not enough time to go into the tools...
- Not enough time to go to the beach!
- The schedule was not kept most of the time!
- Thanks to the organisers for doing a good job!
- Would have been better to have time to reflect on the learned