

Cybula and Grid Technologies

Cybula Ltd.

CYBULA

high performance pattern recognition systems

Aim of this presentation

- What Cybula is undertaking in Grid Technologies

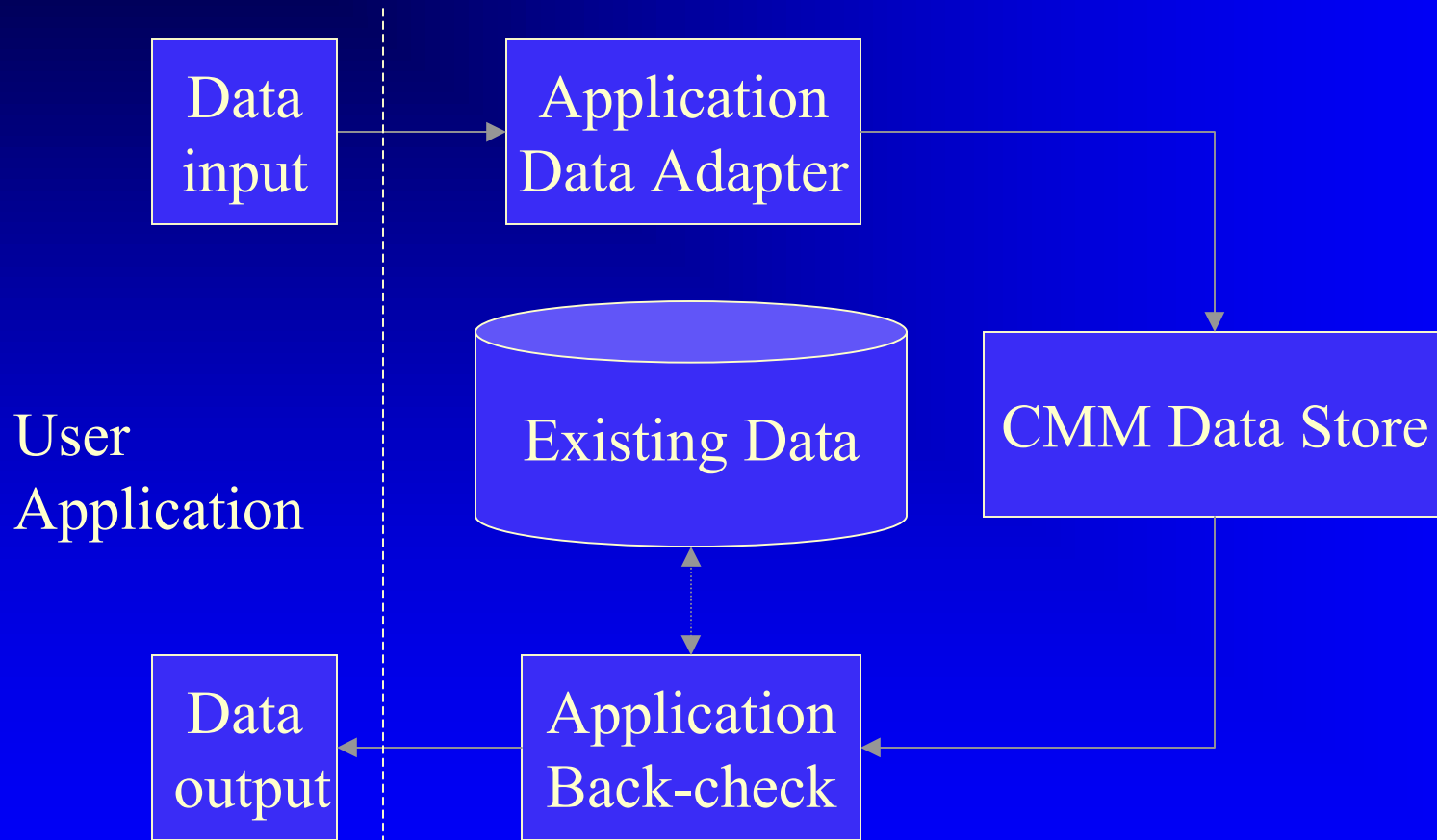
AURA

What is it?

Basic abilities

- A scalable technology that allows users access large amounts of complex data that a DB cannot handle.

Basic Components



AURA

AURA-G technology

AURA-G

- Supports distributed search, across multiple CMM engines at different sites
- OGSA compliant
- Distribution of search capability dealt with by Globus.
- Developed within the DAME project

MRI Data Analysis

GRIDmri

A White Rose Grid Demonstrator project.

The aims

- To demonstrate how Grid can support the clinician in the diagnosis of cancer from MRI data
- Demonstrate the power of the Grid model in healthcare
- Demonstrator available April 2003.

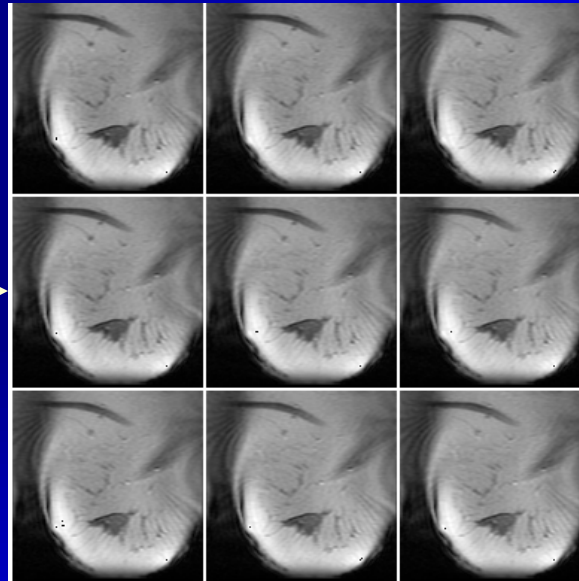
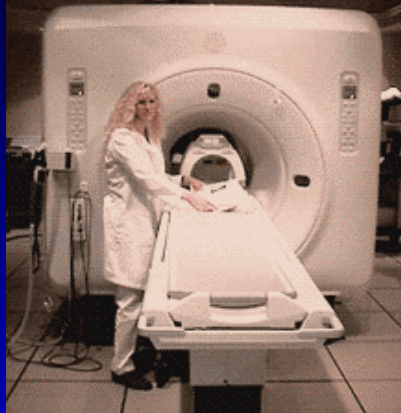
System demonstrates

- ⑩ Management of MRI data held at disparate sites.
- ⑩ Access and analysis of MRI data by a remote user.
- ⑩ Use of grid services to access data and processing functions.
- Analysis of data using services provided by different sites.

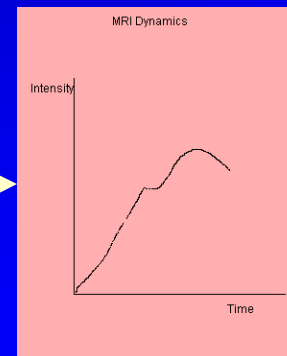
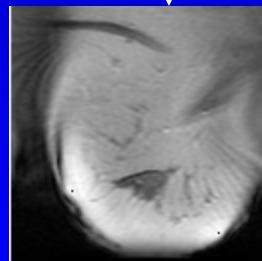
Process

One slice through time

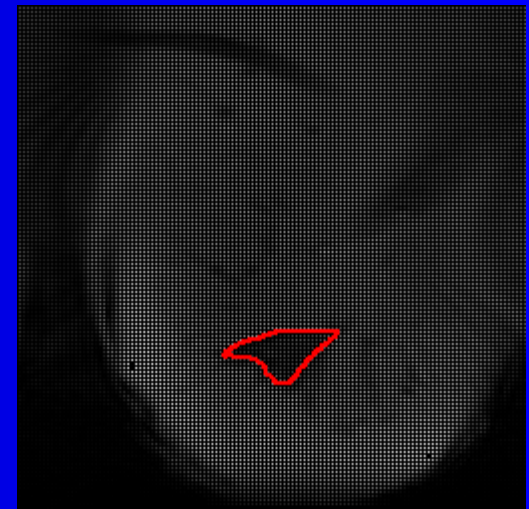
Enhanced
Visualisation



Align images

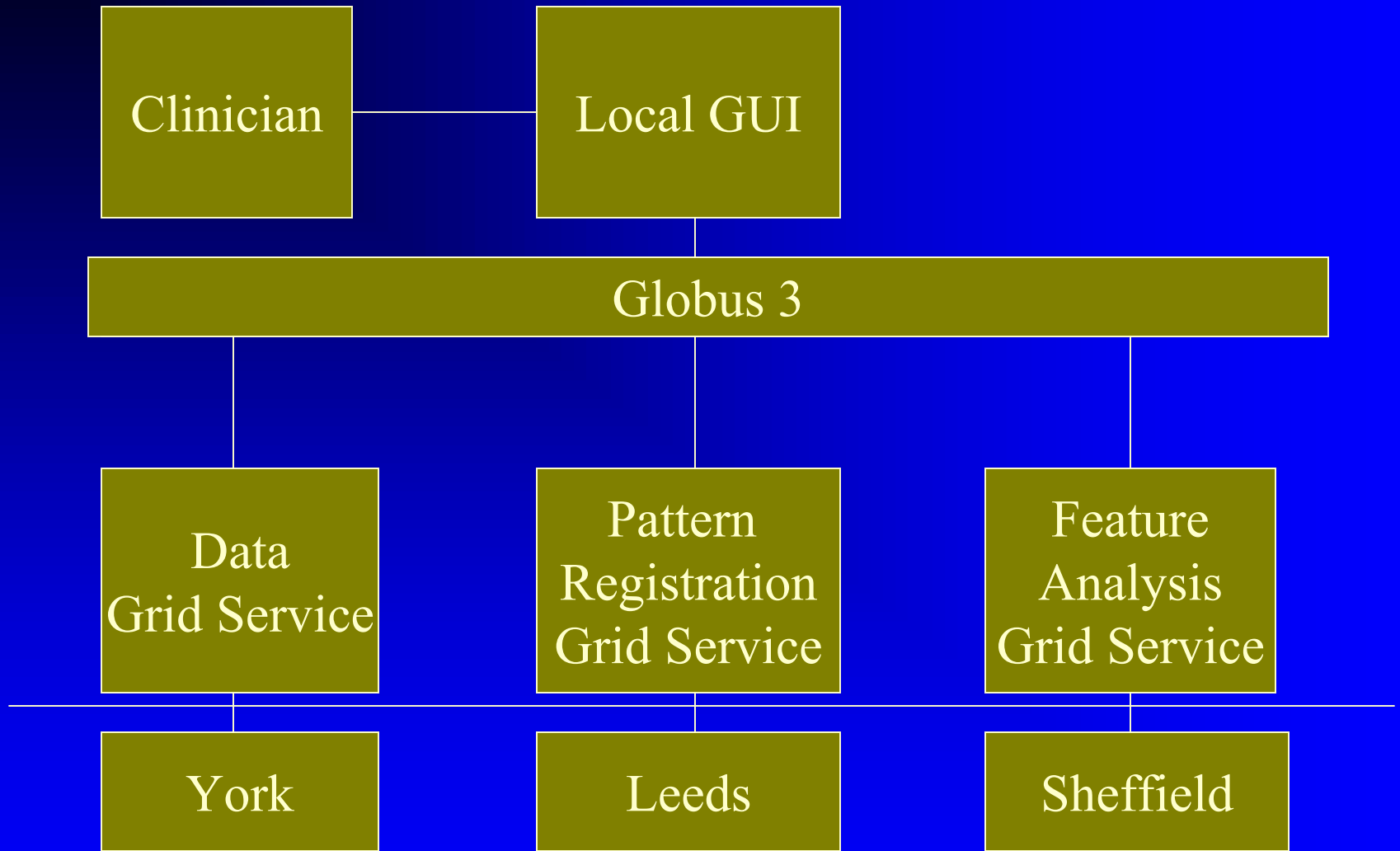


Feature Analysis



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White Rose Grid

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