

Medical imaging session

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- **Applications deployed for production**

- Clinical decision system (UPV), Contrast agent diffusion (UPV), Radiotherapy planning (LPC), MRI simulation (CREATIS), Assisted reconstruction (LRI-LAL-LIMSI), Registration assessment (I3S)...



- **Services developed in the medical imaging area**

- Medical data management, Workflow engines, User portals...



- **Difficulty to enrolle end users**

- Data confidentiality
- Non all-batch oriented requirements



- **NA4: User Community Support and Expansion (manage the user communities growth)**
 - VO support
 - Application porting support
 - Direct user support
- **Strategic discipline clusters**
 - Dedicated resources for strategic developments
 - Focus on shared services with a wide impact
 - Fostering application disciplines development
 - Providing per-area specific support

- **Life science cluster**
 - User support
 - Services development and deployment
 - Medical data management; AMGA, MDM, data encryption
 - Workflows: MOTEUR, Taverna
 - gLite evolution and testing
 - gLite services testing and reporting
 - Application services deployment
- **Focus on collaborative work**
 - Coordinated activity of the life science cluster team
 - Foster life science community development
 - The challenge is to create a sustainable community

- **A Grid Implementation of SPM Analysis for Early Diagnosis of Alzheimer's Disease**
 - Dr. Ivan PORRO (Bio-Lab, DIST, University of Genoa)
- **Virtual reservations for Short Deadline Jobs**
 - Dr. Romain TEXIER (CNRS)
- **Structuring Medical Images with the Grid**
 - Dr. Ignacio BLANQUER (UPV)
- **Workflow-based medical image analysis algorithm assessment**
 - Dr. Johan MONTAGNAT (CNRS / I3S)
- **Grid-enabling ThIS (radiotherapy) and CAVIAR (cardiovascular) applications**
 - Dr. Hugues BENOIT-CATTIN (CNRS / CREATIS)