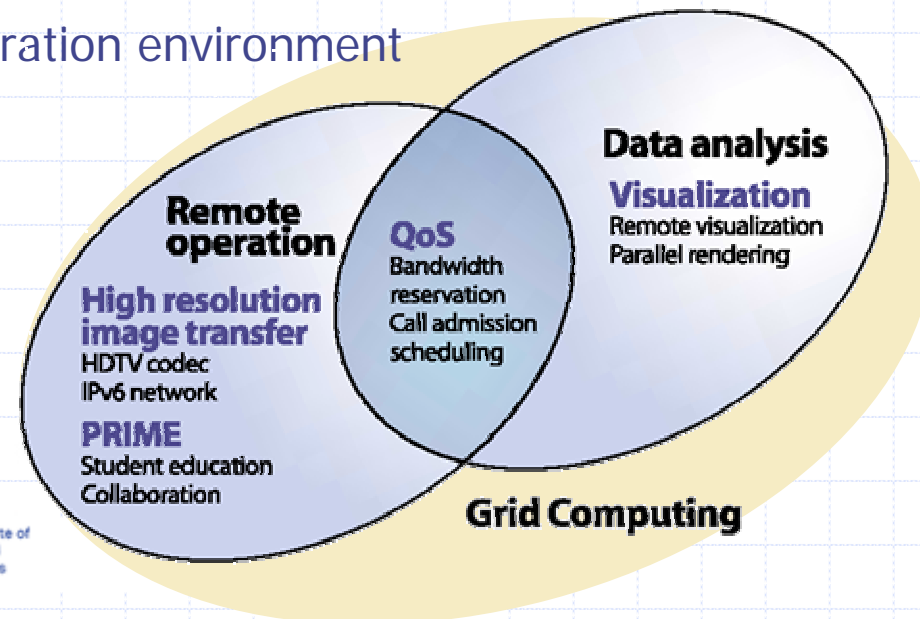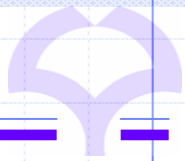# Telescience Overview

◆ Research goal

- Establish remote operation environments for high performance observation devices

◆ Research topics

- Remote operation
  - ◆ High resolution image transfer
  - ◆ Grid enabled remote operation environment
- Data analysis
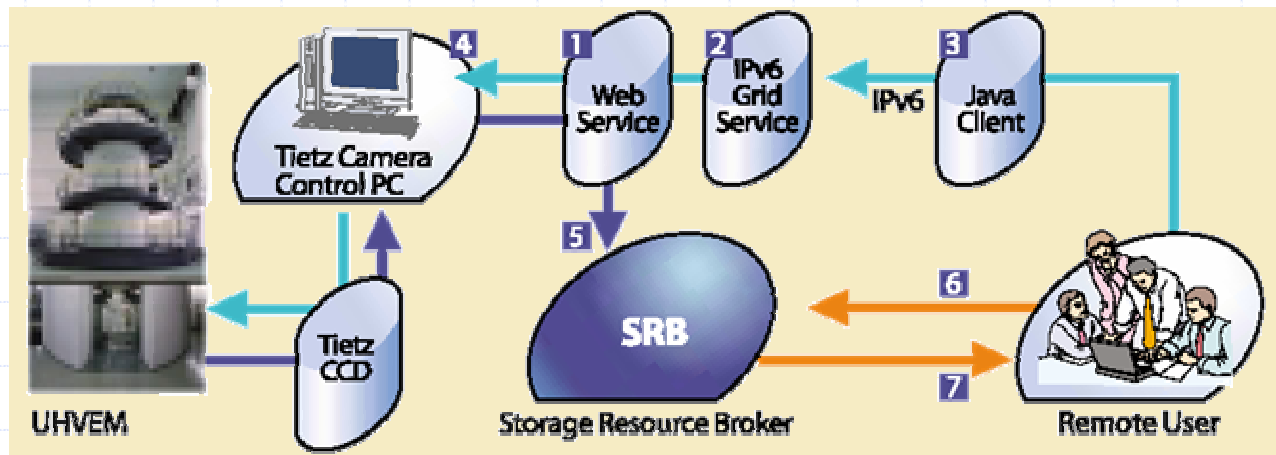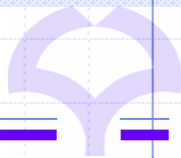 - ◆ Visualization
- Networking
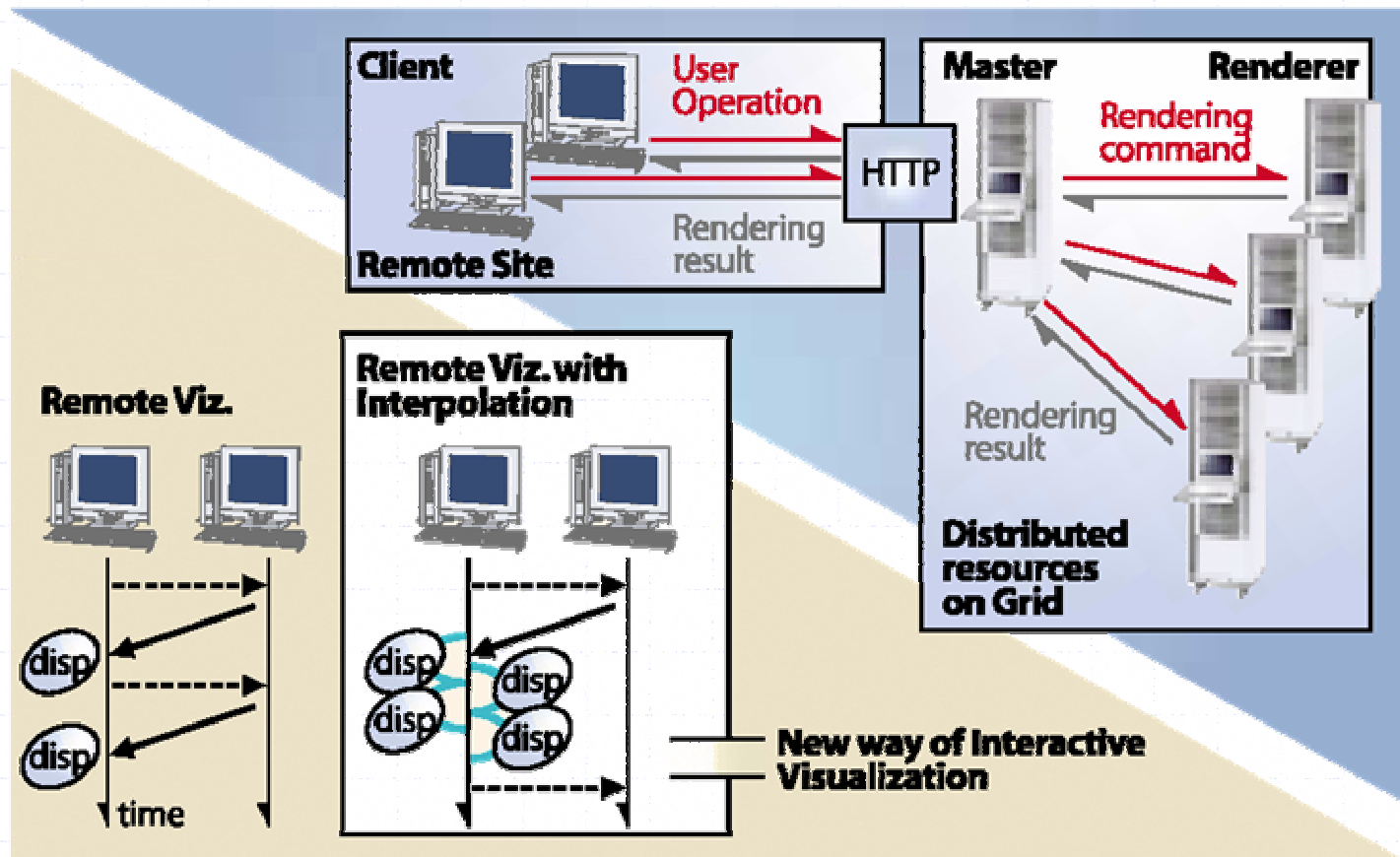 - ◆ QoS

Remote operation

NCMIR

◆ PRIME (collaboration with NCMIR at UCSD)

- UCSD students have developed remote control system at Research Center for UHVEM (Osaka University)
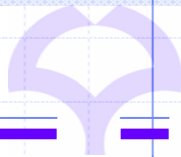
Data analysis

◆ 3D visualization of observed specimens

  ■ High resolution image rendering

Networking

◆ Our Framework of QoS for Grid data traffic

- Execute call admission on each flow starts
- Quality of each flow guaranteed by edge device
- Policy server manages diffserv settings of edge router