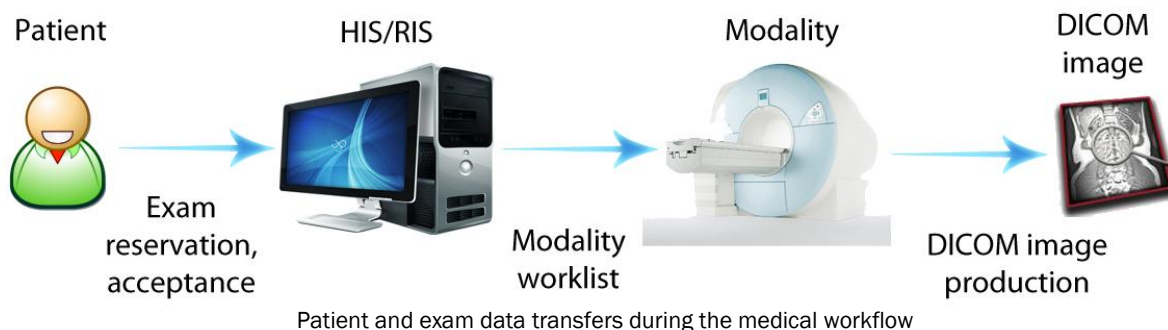




### The DICOM Modality Worklist concept

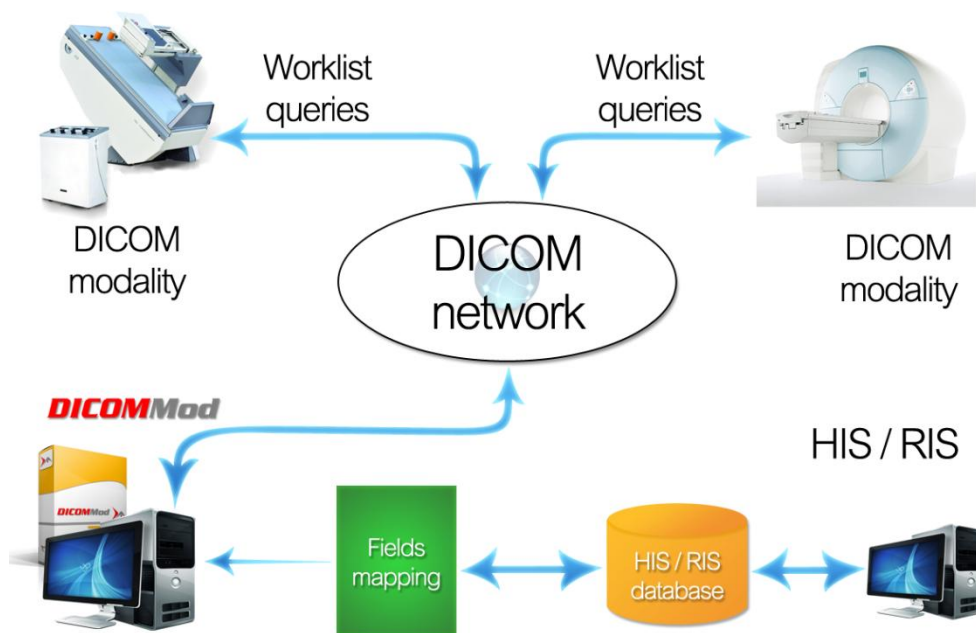
The transition to digital technologies and to sophisticated information systems brings real benefits in hospital departments only if all phases of the workflow exploit the potential of these new technologies. Today most departments use information systems (HIS – Hospital Information Systems or RIS – Radiology Information Systems) storing all patients demographics and exams scheduling information. These data are then required during the image acquisition phase at the DICOM Modality location, since digital acquisition devices must know all relevant patient and study information to store them into the digital images they produce.

Instead of requesting the technician to manually re-enter the patient demographics on the modality, the DICOM Modality Worklist function allows an automated, reliable, error-free transfer of the information stored in the HIS/RIS directly to the modality, in a standard way which is supported by almost all manufacturers of digital DICOM modalities.



### DICOMMod and HIS/RIS integration

The powerful DICOMMod software solution by NeoLogica enables any HIS/RIS to provide DICOM Modality Worklist services to digital modalities. After a straightforward one-time configuration, made through an easy-to-use and intuitive user interface, DICOMMod will be able to access the HIS/RIS database and to map between existing database fields and DICOM fields required for the implementation of the Modality Worklist service.

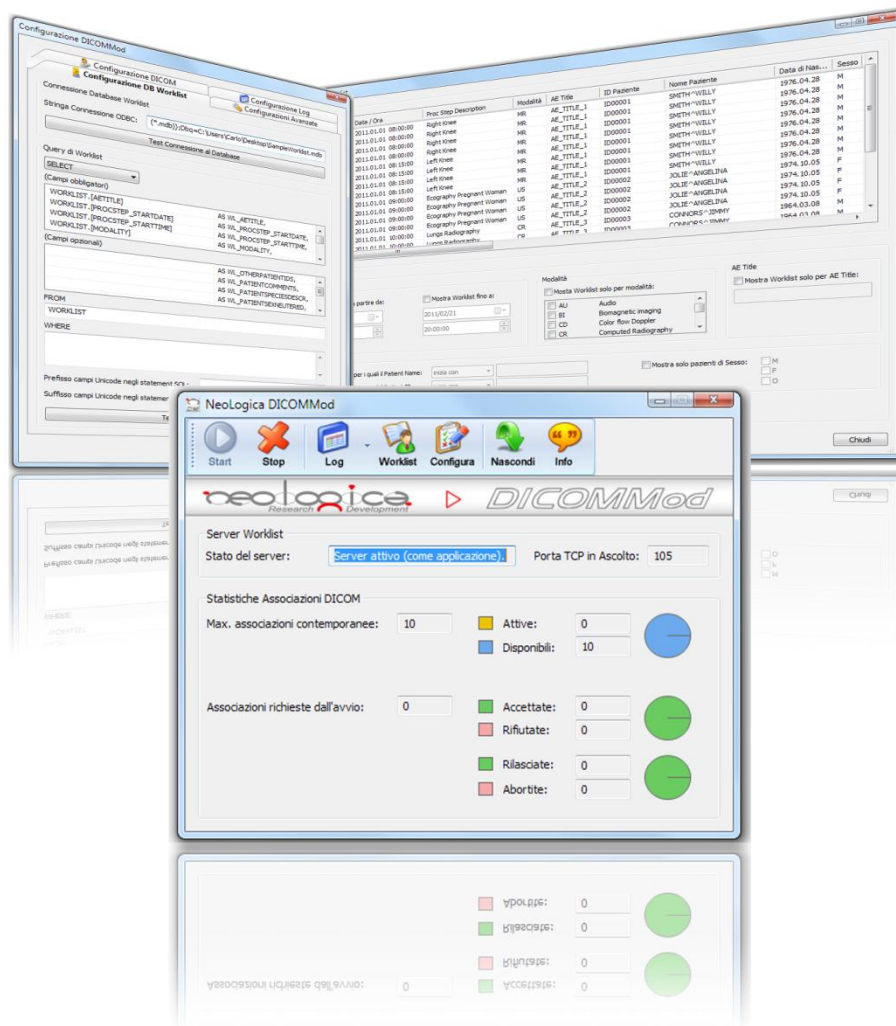


Architecture of a **DICOMMod**-based Modality Worklist solution



### DICOMMod: technical features

- ◆ Hi-performance, multi-threaded Windows native application
- ◆ Execution also as a Windows Service
- ◆ Connectivity to any HIS/RIS database through ODBC
- ◆ Intuitive configuration of the integration with HIS/RIS through an easy-to-use Graphical User Interface
- ◆ Full DICOM 3.0 compliance
- ◆ Support for the following DICOM SOP Classes:
  - Verification SOP Class (SCP role)
  - Modality Worklist Information Model – FIND SOP Class (SCP role)



Screenshots of **DICOMMod**'s Graphical User Interface