OAIS Functions - Example use cases

Ingest

- Delivery files and metadata by depositor (producer)
- Checks and validations
- Extraction or adding metadata
- Transport to the archival storage

Archival Storage

- Online, nearline- and/or offline storage
- Keeping the bits accessible without risk of bit rot
- Back-ups, error checking, disaster recovery
- Migration to new storage media
- Format conversion

Data Management

- Catalogue environment
- Administrative metadata that support the internal processes
- History of data migrations and format conversions
- Service requests of other components

Preservation planning

- Checking the state of the stored objects: still understandable?
- Design of preservation strategies
- Technology watch
- Monitoring requirements of user groups

Access

- Making the archived content accessible to the end users
- Sending their queries to the data management
- Passing on archived content from archival storage in a presentable format
- Authentication and authorisation of end users