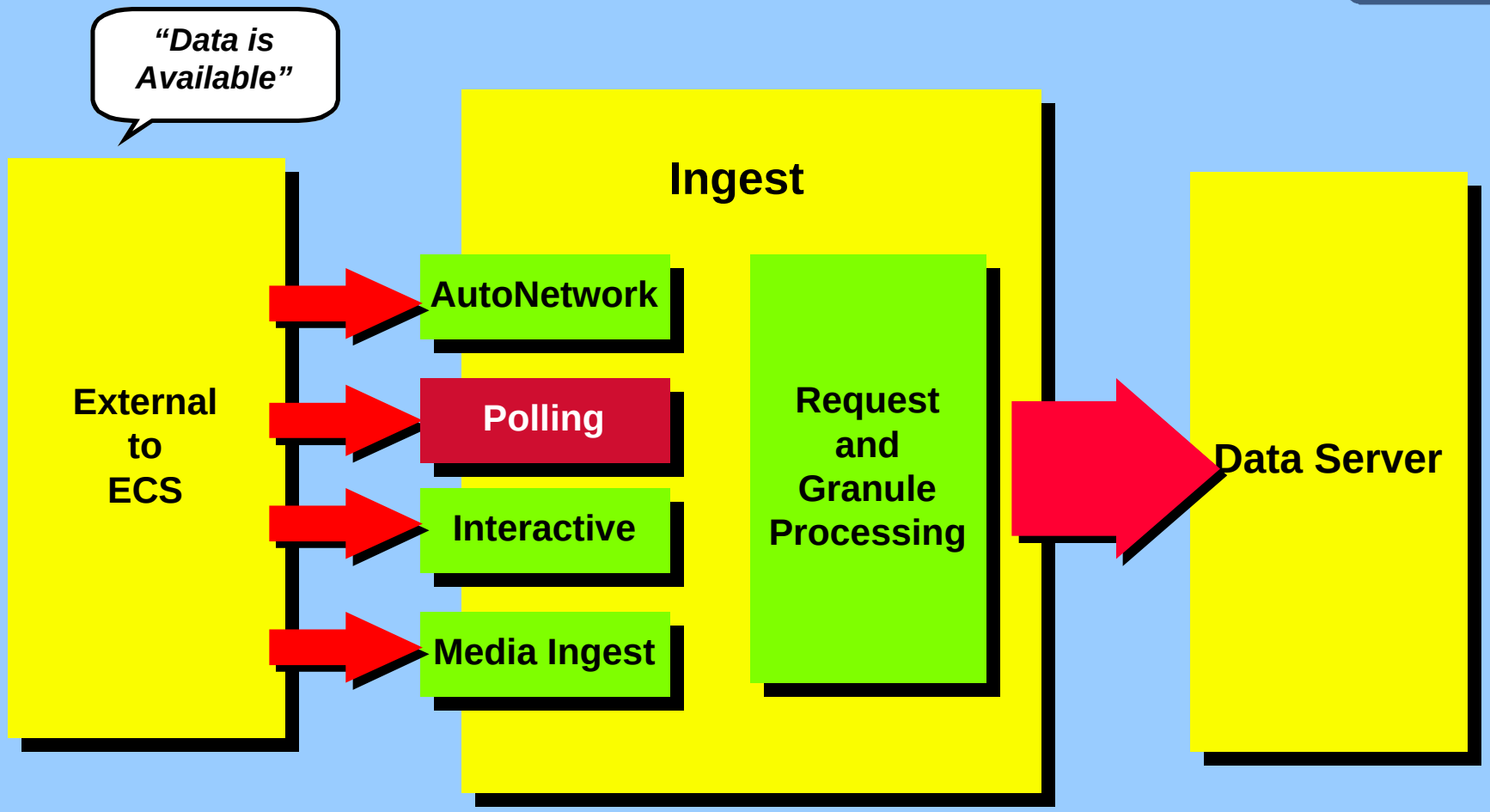
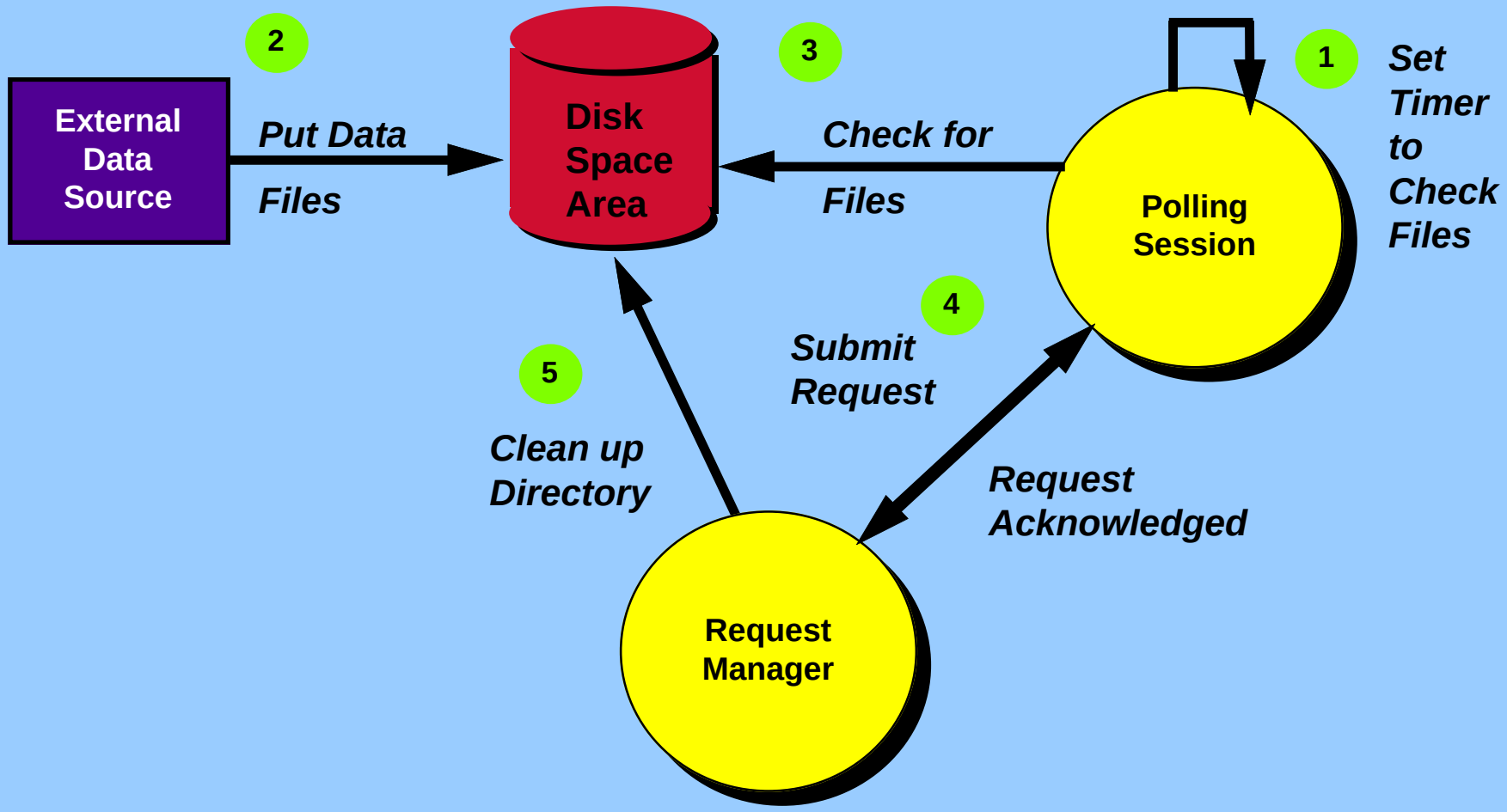
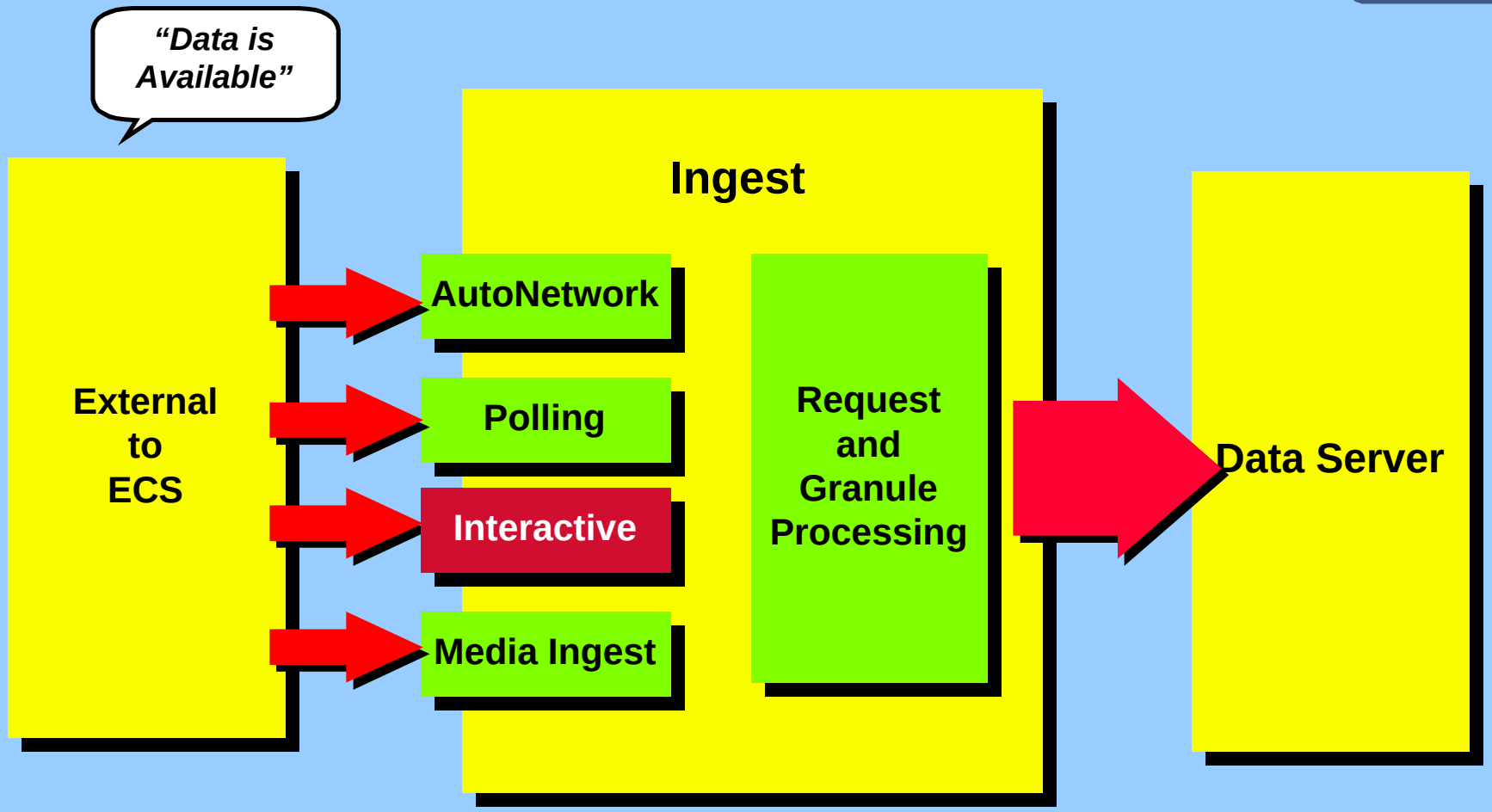
Ingest Type: Polling



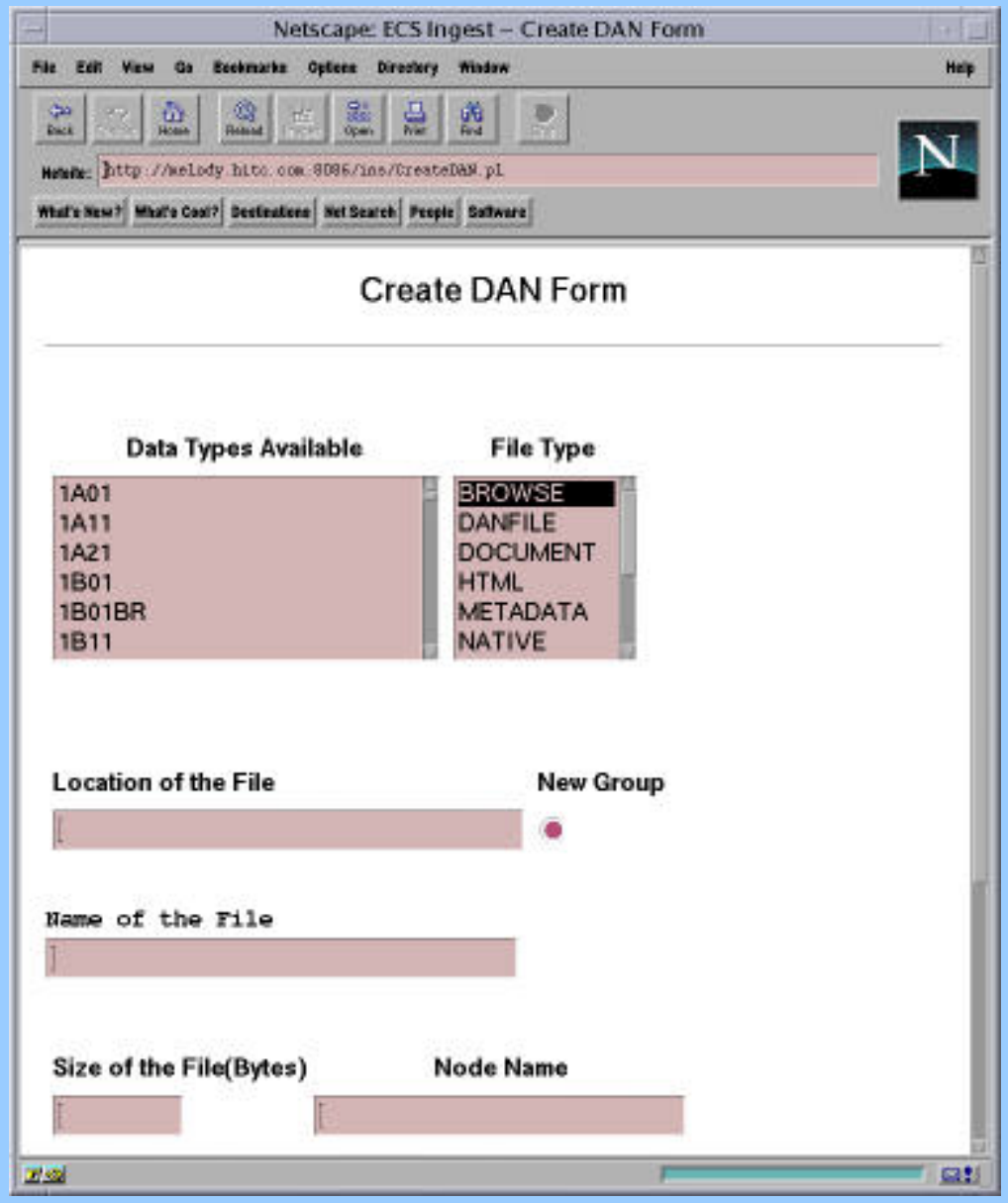
Polling Ingest



Ingest Type: Interactive



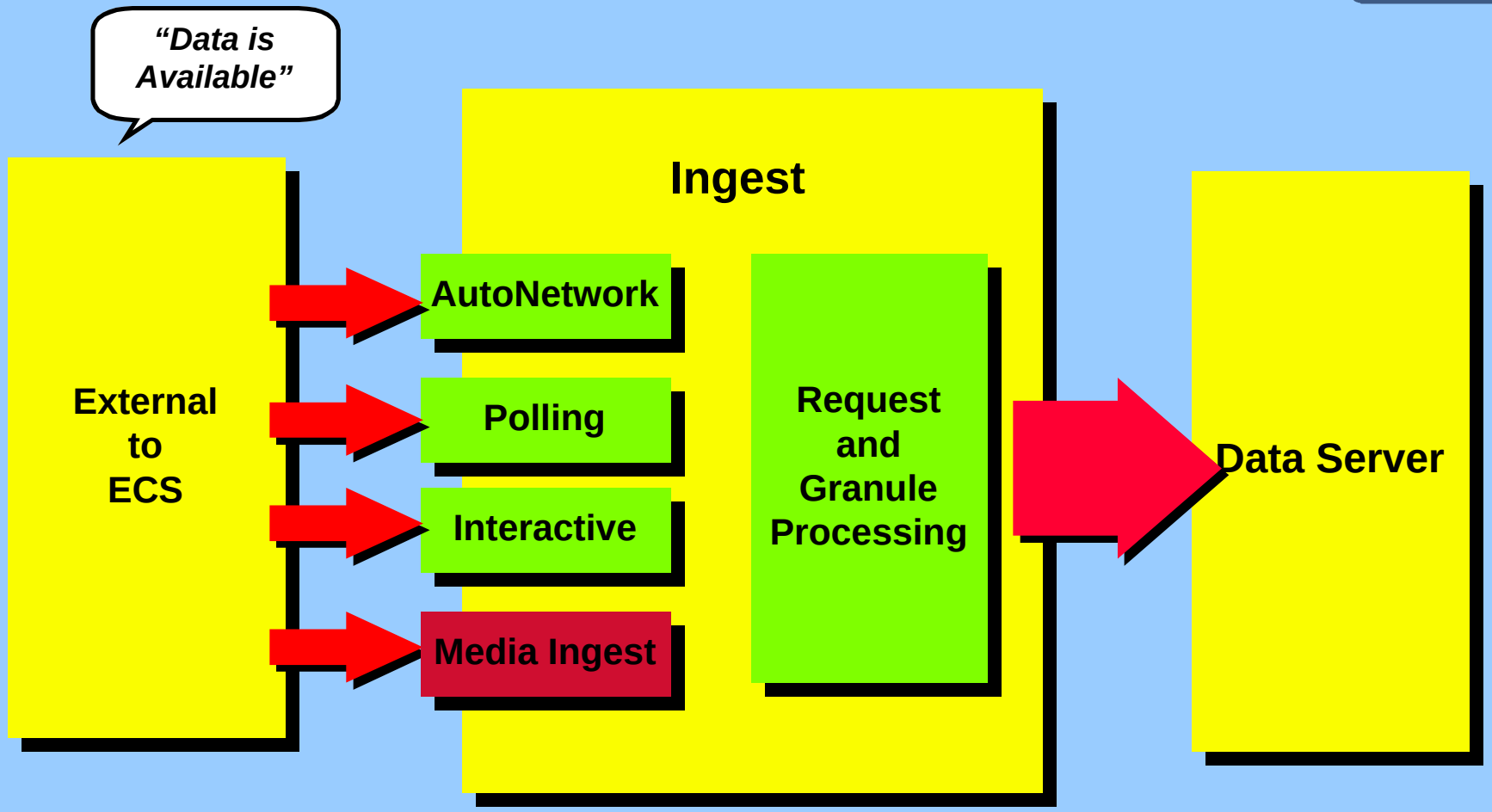
Interactive Ingest



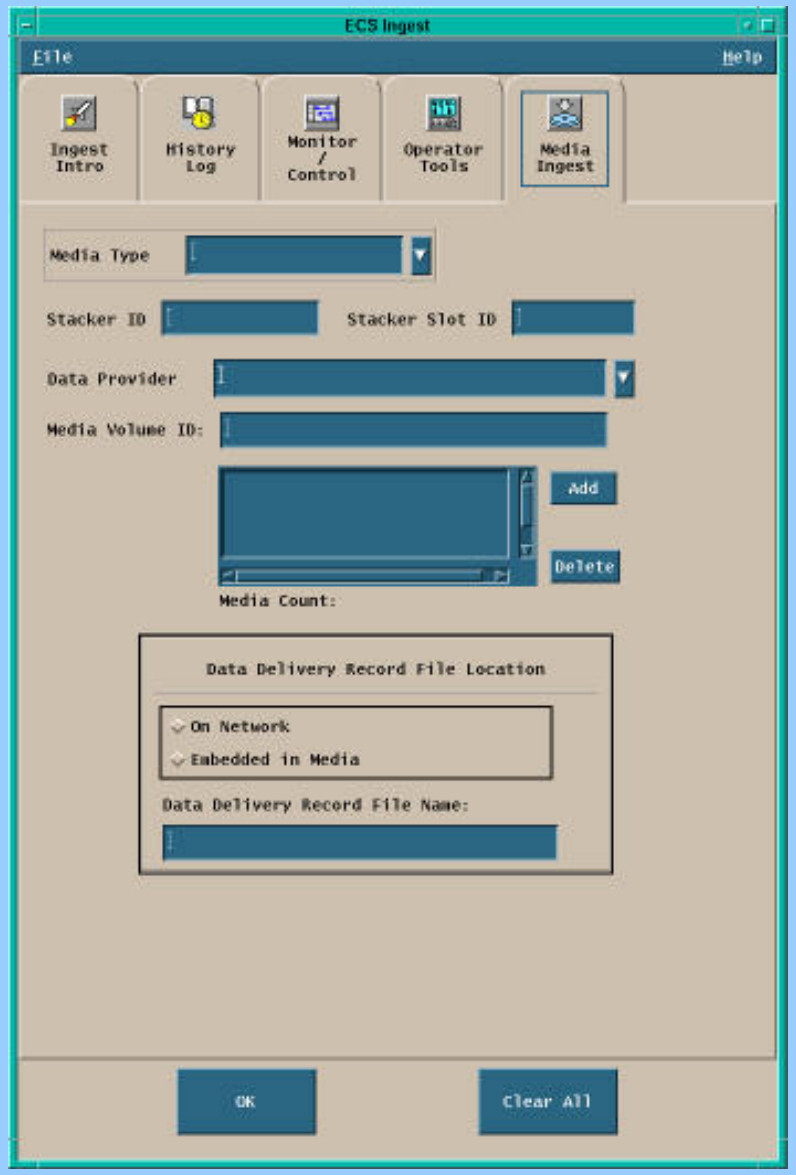
HTML Sequence:

1. Files Downloaded
2. DAN Built
3. DAN and Request Submitted
4. Request Status Reported

Ingest Type: Media Ingest



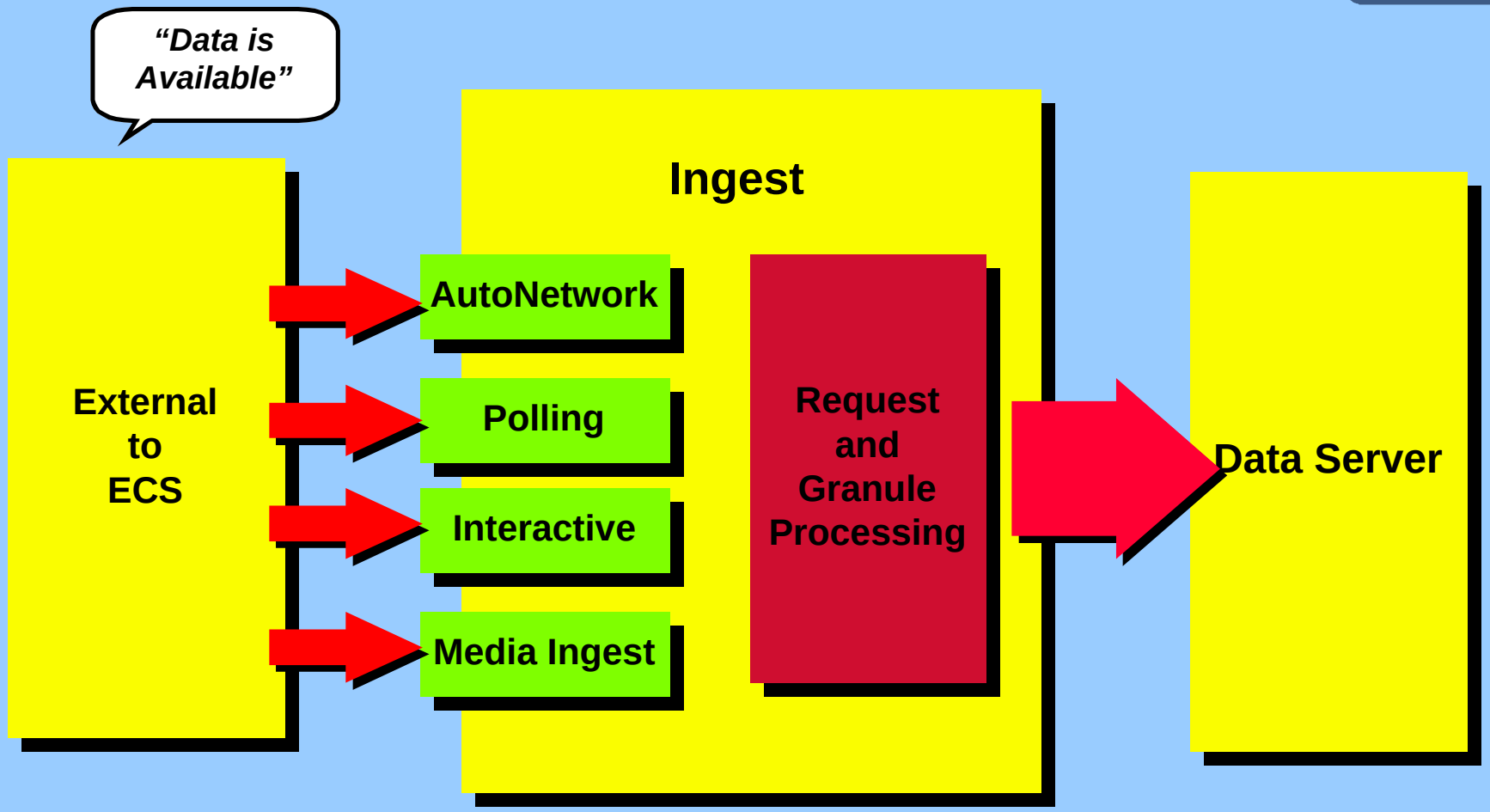
Media Ingest



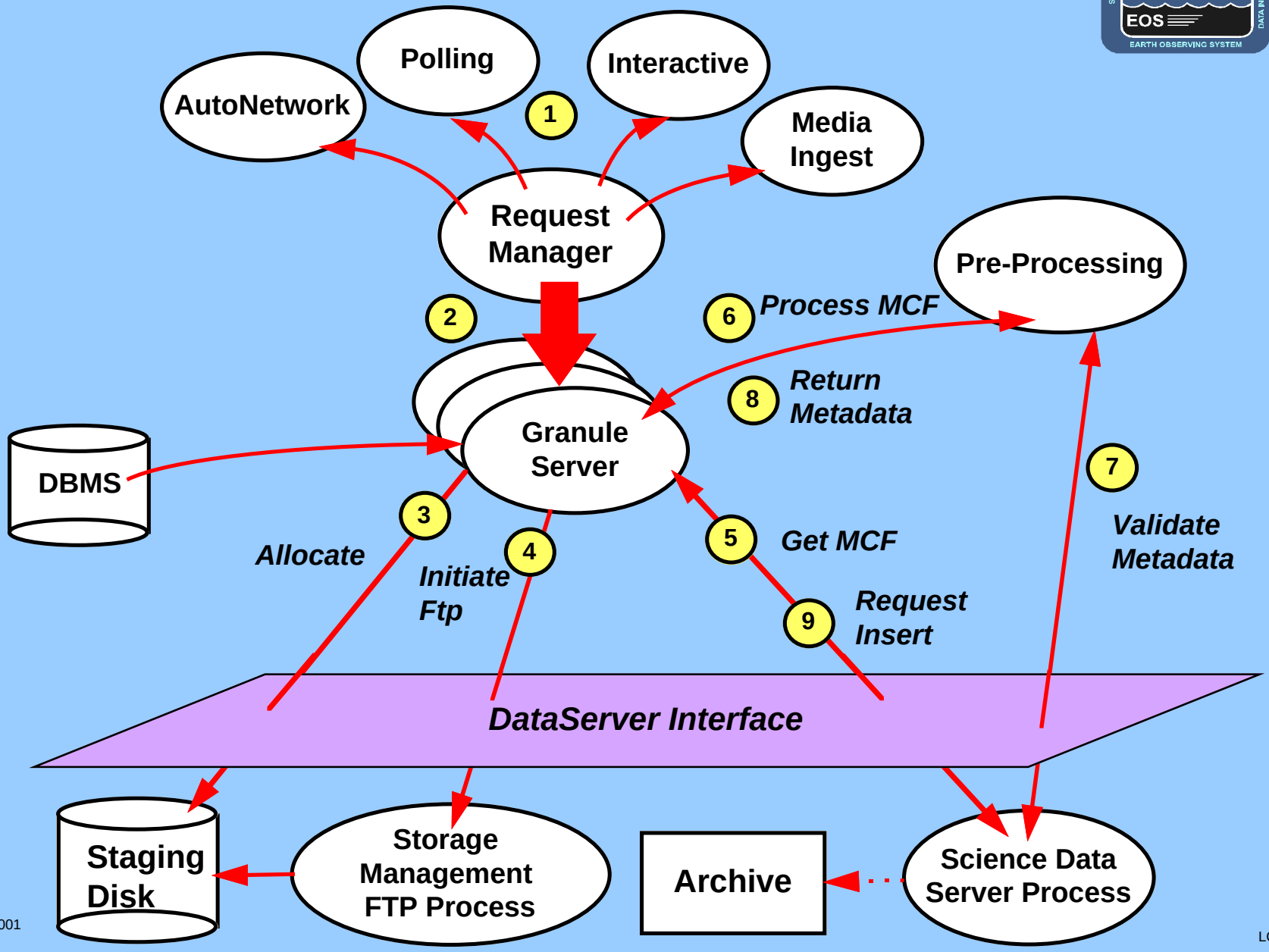
GUI Sequence:

1. Tape Checkin
2. DAN Accessed
3. Storage Allocated
4. Tape Unpacked
5. Request Submitted

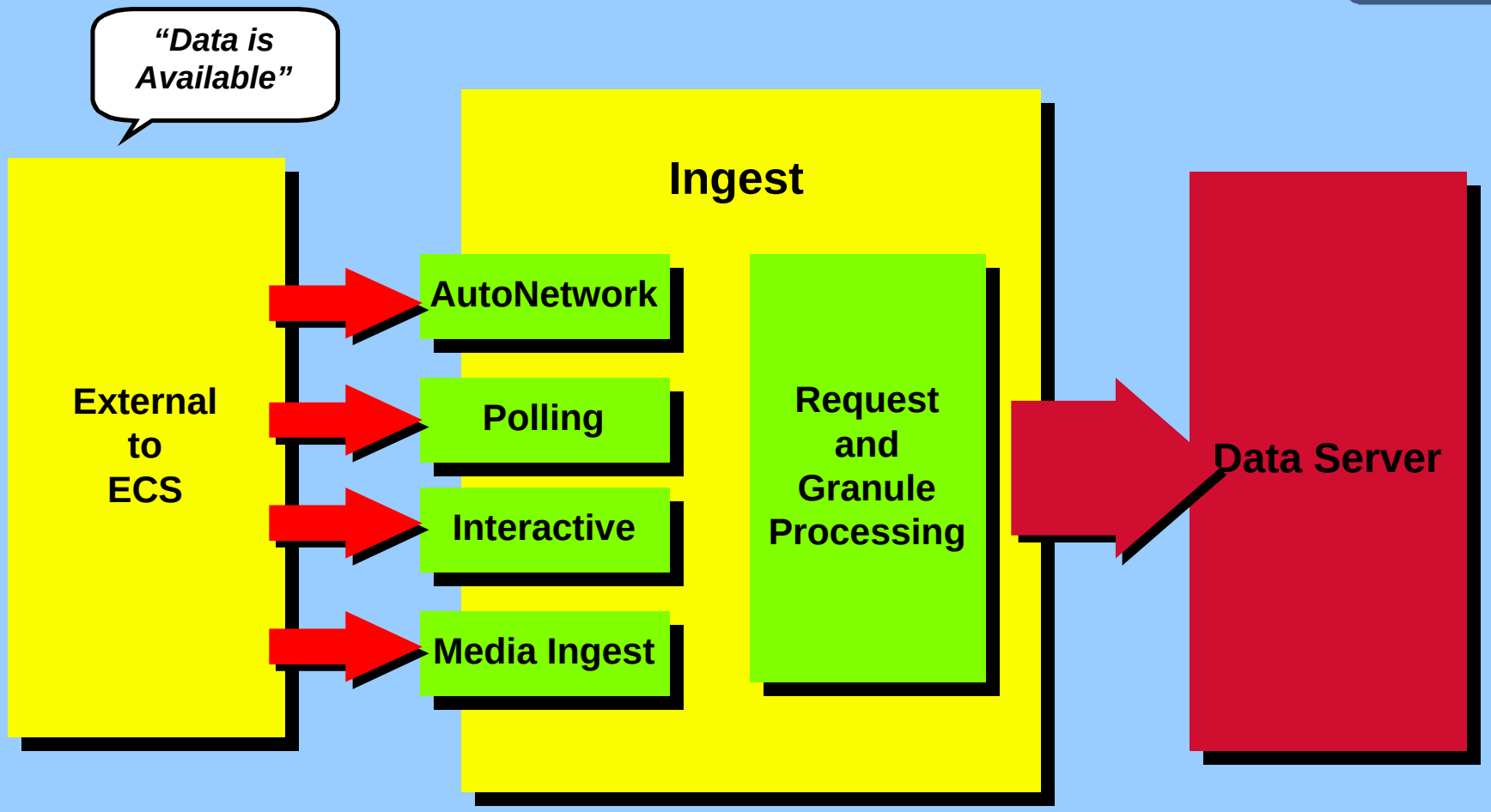
Request and Granule Processing



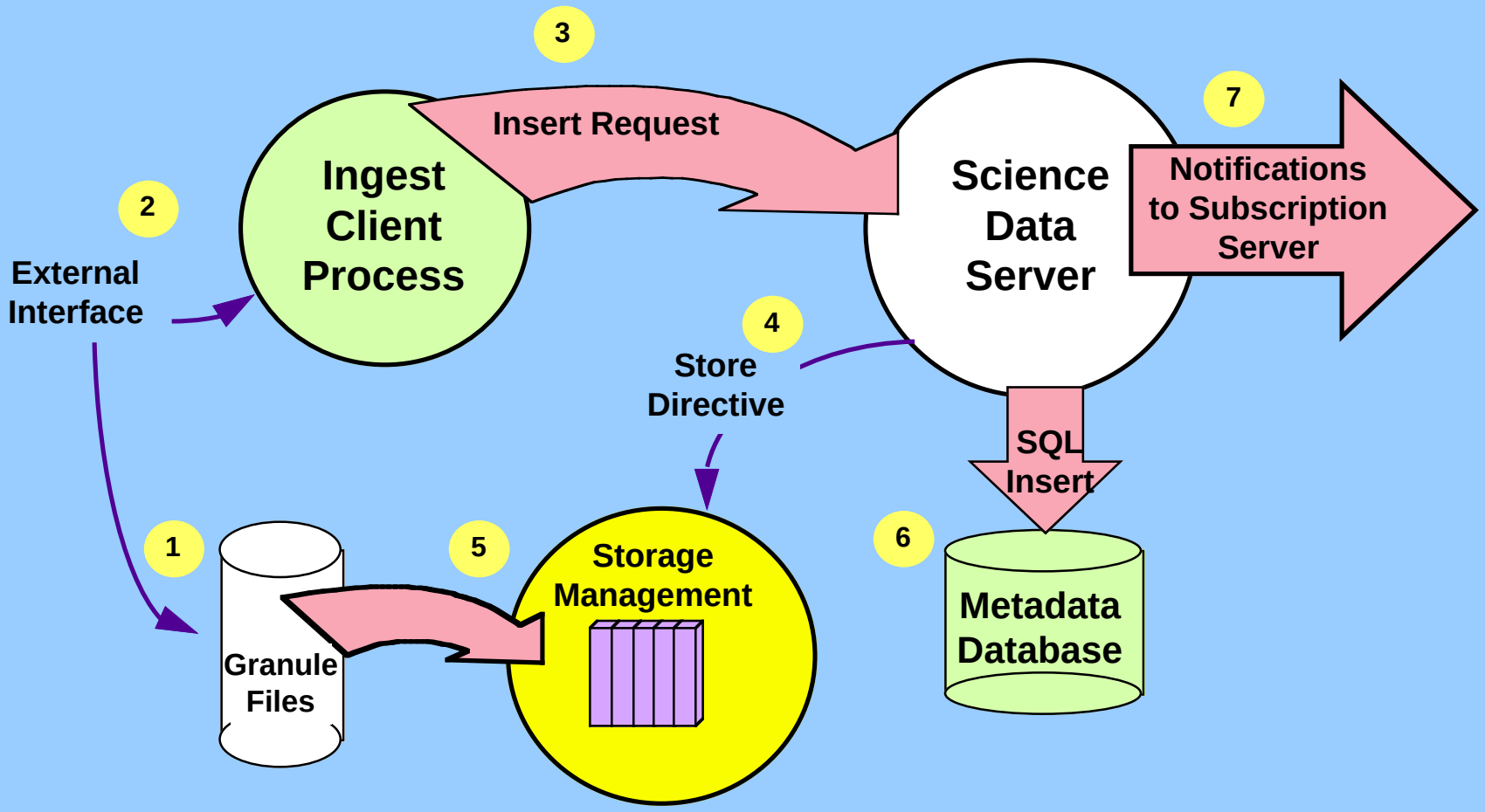
Request & Granule Processing



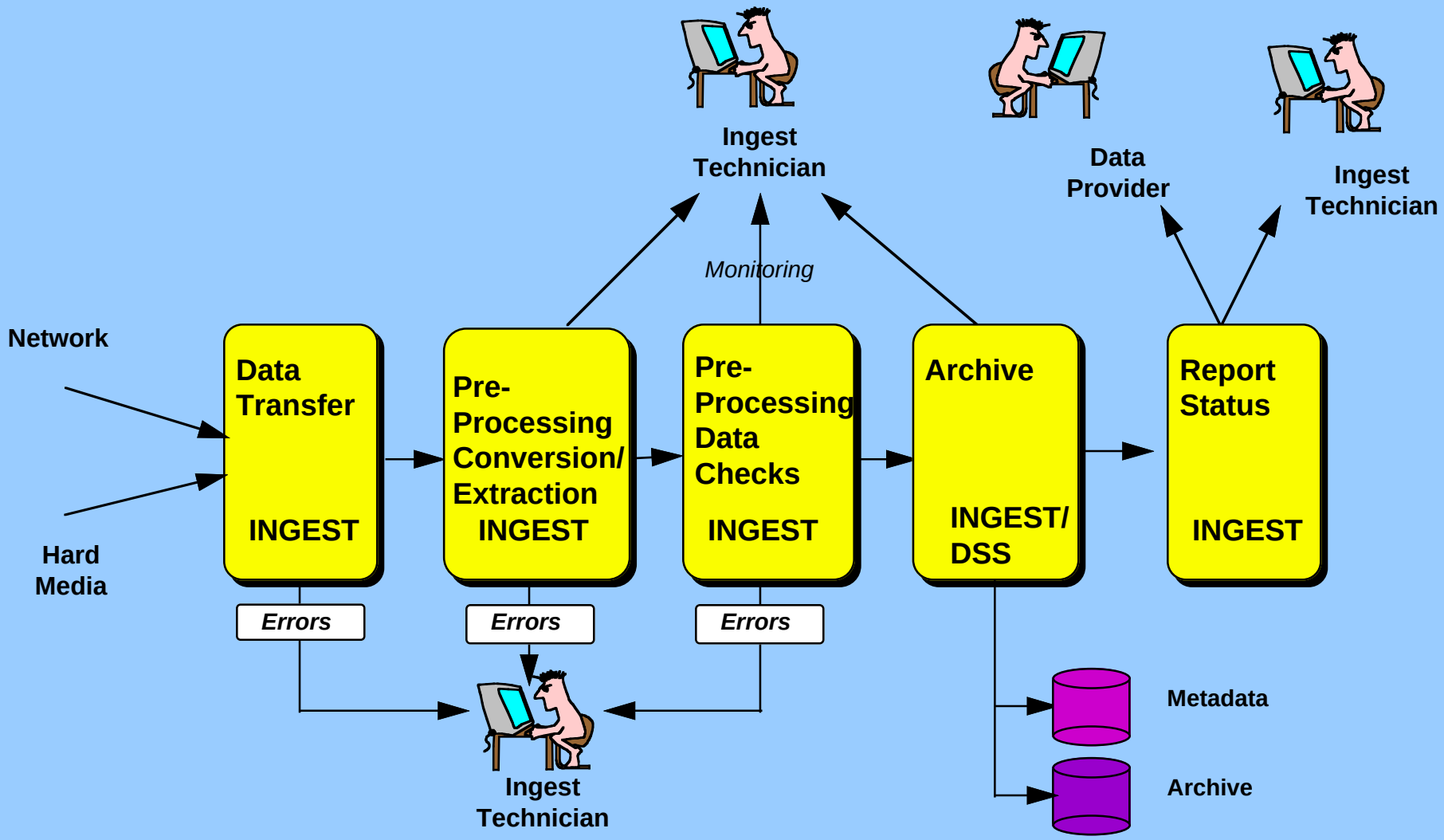
Data Server Insert



Data Server Interface
Ingest/SDSRV Insert



Ingest Functional Flow



Ingest Subsystem Reliability

Ingest Processing has 15 minute MTTR (Meantime to recover)

- **Ingest has backup failover capability**
- **Checkpoints taken frequently during processing**

Summary

- Ingest Subsystem retrieves, preprocesses, and initiates insert of data from external providers
- Ingest supports automated network, polling, interactive and media data input mechanisms
- Ingest performs needed preprocessing such as units conversion and time extent extraction