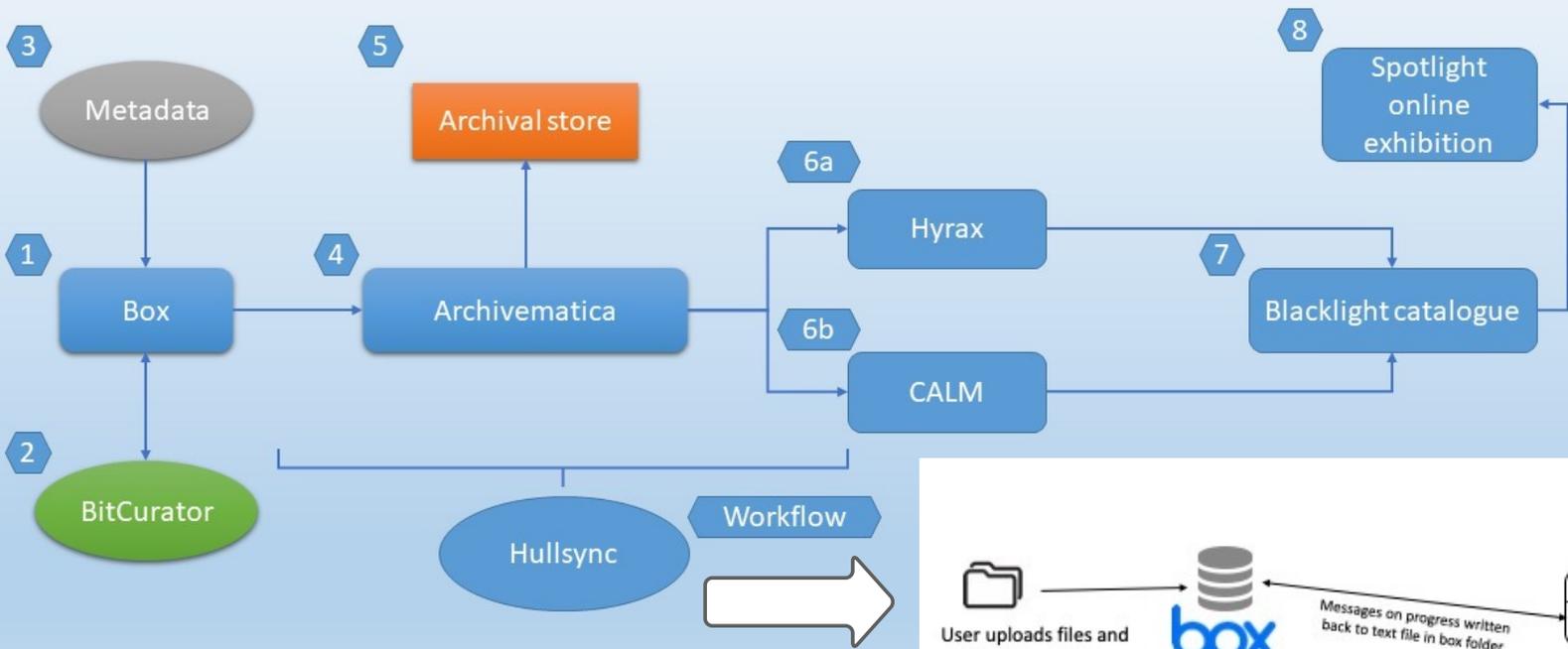# Digital archives infrastructure at the University of Hull

Key to creating the infrastructure has been to recognise what each component can do best in carrying out the preservation process, and then combining them to best effect. This has seen a combination of commercial and open source components brought together using available system APIs. Manual intervention is mainly in creating the metadata files, collections administration in Hyrax, and cataloguing in CALM

3 Metadata
5 Archival store
8 Spotlight online exhibition
6a Hyrax
1 Box
4 Archivematica
7 Blacklight catalogue
6b CALM
2 BitCurator
Hullsync — Workflow

In understanding our needs, our partners, CoSector, looked to combine the stages that moved the content from Box to Archivematica, and then from Archivematica to Hyrax/CALM. In doing so, the management of the processes became an integrated set of automated steps, minimising manual intervention

### Hull Synchronizer

User uploads files and CSV files to box — box

Messages on progress written back to text file in box folder

**Transfer** — Transfer to synchronizer started by sharing folder with special user

**Review** — Check validity of transferred material

Check collection exists in Calm — Calm

**Ingest**
Creates "Bag" containing preservation material for submission to Archivematica

Transfer Bag to Archivematica and track progress of AIP and DIP creation

Creates "Bag" containing dissemination material for submission to Hyrax

Sword Deposit of Bag to Hyrax

Create item level record in Calm

Create package and Digital Archival Objects — Hyrax

Administrator has view of process via a simple web UI

archivematica

blacklight

EAD from Calm (including Hyrax work ids) imported to blacklight