

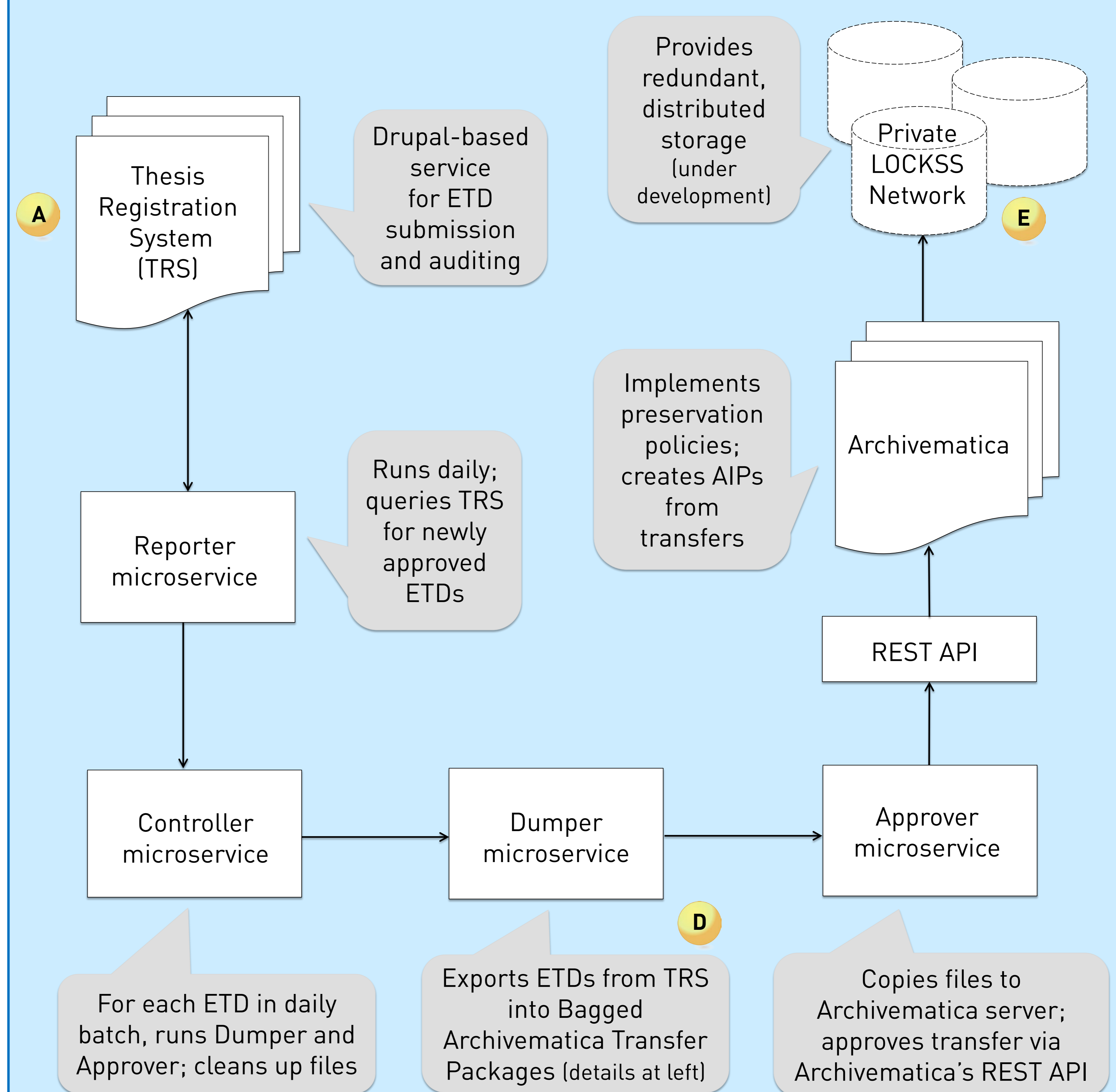
# Automating the Preservation of Electronic Theses and Dissertations with Archivemata

Mark Jordan, Simon Fraser University  
mjordan@sfu.ca

## Overview

- A** A student submits her electronic thesis or dissertation (ETD) to the Simon Fraser University Library's Thesis Registration System (TRS), where staff audit the submission for completeness, errors, etc.  
After the submission has been audited, Library staff approve it for  
1) publication in SFU's Institutional Repository, and  
2) preservation in Archivemata.
- B** Upon approval, the submission is migrated to the Institutional Repository for public access via a set of microservices.
- C** A parallel set of microservices moves the submission from the TRS into the Archivemata digital preservation platform, which creates an OAIS Archival Information Package (AIP) for the submission. (details at right)

## Architecture



## D Archivemata Transfer Package

### Objects

- The thesis PDF
- An ETD-MS metadata file
- Any supplemental files (data, video, etc.)

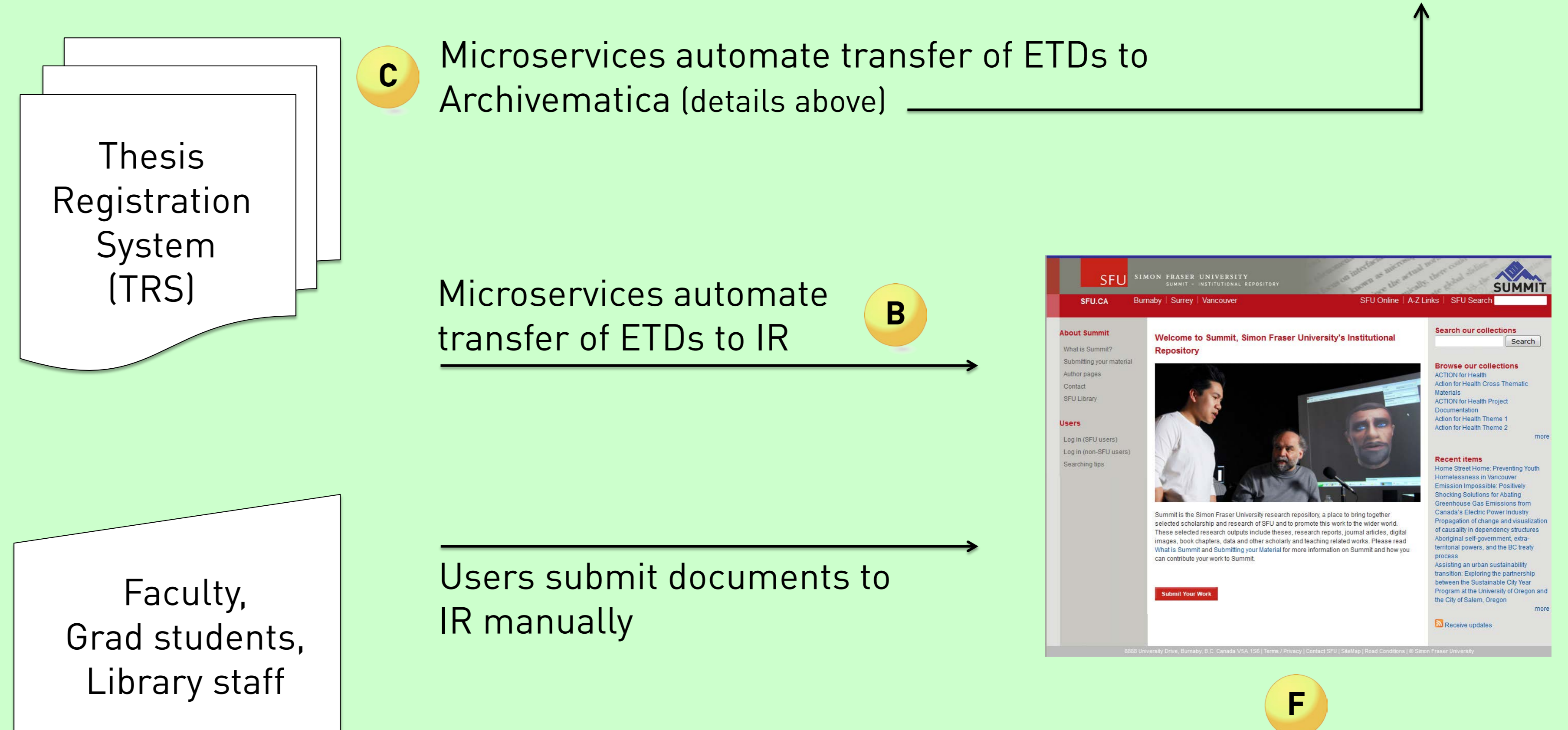
### Metadata

- dublincore.xml
- mets.xml containing a structMap

### Submission Documentation

- Licenses to publish the ETD
- Copyright permissions, other documentation
- processingMCP.xml

## Integration with SFU's Institutional Repository



## Development Roadmap

- E** LOCKSS integration
- Academic review of theses using Open Journal Systems
- F** • Microservices to automate preservation of content in SFU's Institutional Repository

