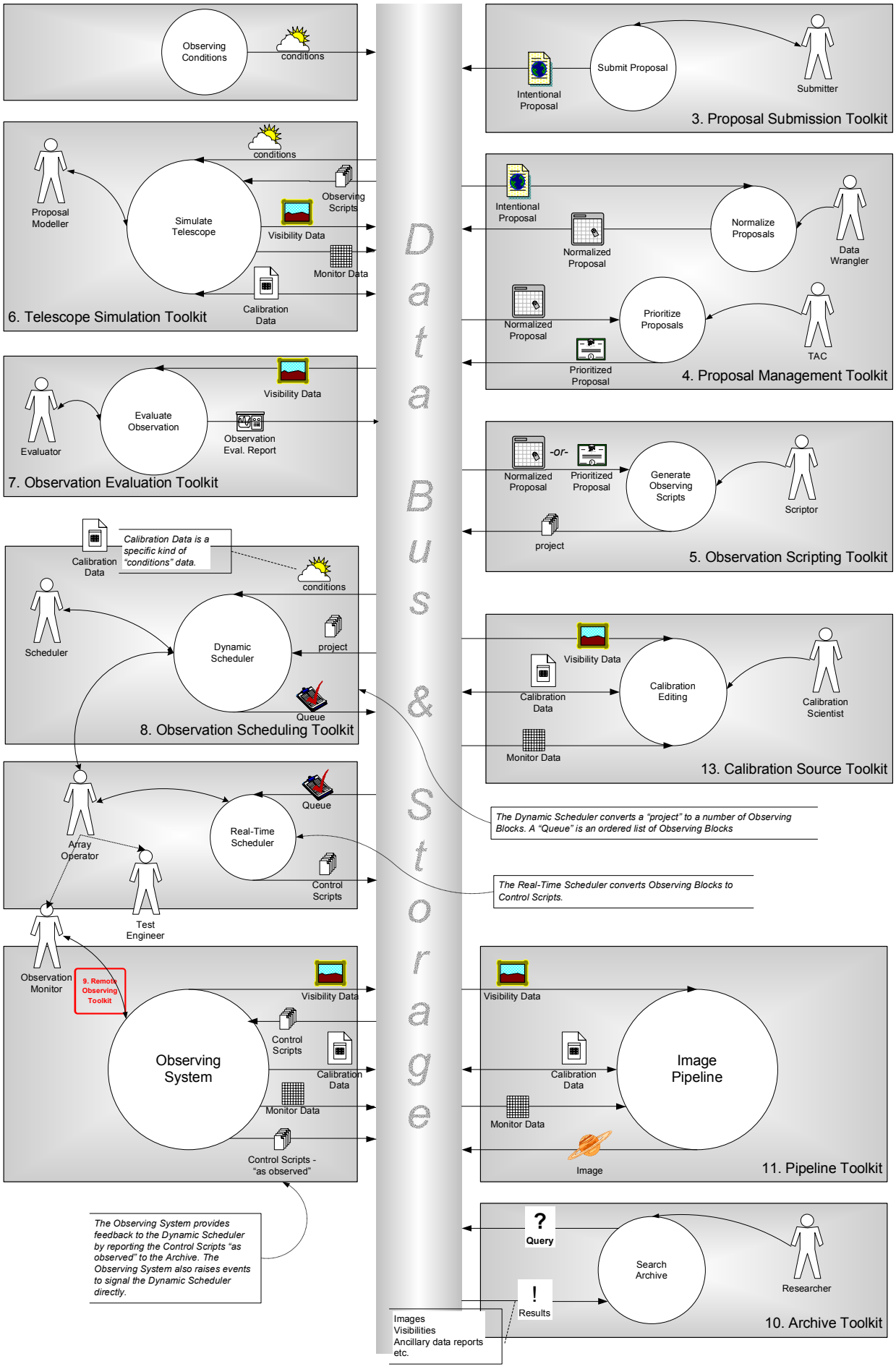
Observing Conditions
conditions
Proposal Modeller
conditions
Observing Scripts
Simulate Telescope
Visibility Data
Monitor Data
Calibration Data
6. Telescope Simulation Toolkit
Visibility Data
Evaluator
Evaluate Observation
Observation Eval. Report
7. Observation Evaluation Toolkit
Calibration Data
Calibration Data is a specific kind of "conditions" data.
conditions
Scheduler
Dynamic Scheduler
project
Queue
8. Observation Scheduling Toolkit
Queue
Array Operator
Real-Time Scheduler
Control Scripts
Test Engineer
Observation Monitor
9. Remote Observing Toolkit
Visibility Data
Control Scripts
Observing System
Calibration Data
Monitor Data
Control Scripts - "as observed"
The Observing System provides feedback to the Dynamic Scheduler by reporting the Control Scripts "as observed" to the Archive. The Observing System also raises events to signal the Dynamic Scheduler directly.
Data Bus & Storage
Submit Proposal
Intentional Proposal
Submitter
3. Proposal Submission Toolkit
Intentional Proposal
Normalized Proposal
Normalize Proposals
Data Wrangler
Normalized Proposal
Prioritize Proposals
TAC
Prioritized Proposal
4. Proposal Management Toolkit
Normalized Proposal
-or-
Prioritized Proposal
Generate Observing Scripts
Scriptor
project
5. Observation Scripting Toolkit
Visibility Data
Calibration Data
Calibration Editing
Calibration Scientist
Monitor Data
13. Calibration Source Toolkit
The Dynamic Scheduler converts a "project" to a number of Observing Blocks. A "Queue" is an ordered list of Observing Blocks
The Real-Time Scheduler converts Observing Blocks to Control Scripts.
Visibility Data
Calibration Data
Image Pipeline
Monitor Data
Image
11. Pipeline Toolkit
Query
Search Archive
Researcher
Results
10. Archive Toolkit
Images
Visibilities
Ancillary data reports
etc.