Publication Working Team:
Progress update and future roadmap

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AIMS
Analytics and Informatics
Management Systems

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This is a coordinated multiagency, international collaboration of institutions that continually develop, deploy, and maintain software needed to facilitate and empower the study of climate
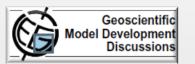
2016 progress and accomplishments

- 22 projects republished
- "Administrative" merger with QCWT given strong overlap of concerns
- esg-publisher development
  - Project-specific ini files
    - No need to reconfigure for different file system roots
  - Single-dataset mapfiles
  - Publisher test suite (needs final integration)
  - Globus urls
- Release of esg-prep
  - Functionality for mapfile generation, vocabulary check, ini file retrieval
- Ingestion service API deployment and integration into ACME Workbench
- Comprehensive documentation: http://esgf.github.io/esg-publisher

Progress in preparing the publisher for CMIP6

- Support for "list" facets
- Automated global attribute extraction
- Integration of CF checks, PrePARE, aka CMOR CMIP6-checker library (Denis Nadeau)
  - Presents additional installation prerequisites
- Retraction of datasets – functionality for unpublishing
- Test CMOR-ized datasets published on test nodes

2017 Roadmap

- Update installation to deploy via Conda
  - Phase one: Conda integrated into installer for publisher dependencies
  - Phase two: publisher Conda package
- Add "drs" manager to esgprep
- CMIP6 publishing
- ES-DOC generation (via integrated service call)
- Tracking service integration (for dataset version update and retraction)
- Integrate Ingestion API into installation
- Address scalability concerns of publisher database access, current uvcdat

Collaborations

- IWT on installation update

- Replication/versioning on PID integration and automated replica publishing

- PCMDI/WIP on PrePARE integration, sample CMIP6 data