Publication Working Team:
Progress update and future roadmap

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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
    o 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