ES-DOC Weekly Telco

(caution: this pad may be reset after the meeting)

06 June 2017

previous minutes:

- [https://earthsystemcog.org/site_media/projects/es-doc-models/minutes_170530.pdf](https://earthsystemcog.org/site_media/projects/es-doc-models/minutes_170530.pdf) [last telco]

present:

- Allyn
- Charlotte
- Chris
- David
- Eric
- Hans
- Mark E.
- Mark G.
- Martina

minutes:

- previous action items, etc.:
  - ALL: republish project-wide documents under the official ES-DOC Google Account ("esdocumentation@gmail.com")
    - specialization feedback [DH + MG]
    - white paper [EG]
    - minutes [DONE]
  - AT to change rendering of top-level model as per f2f discussion
  - AT & MG: CIM2 doc ingestion
    - Q ingestion: [IN-PROGRESS]
    - pyesdoc ingestion:
- AT & MG to provide text for Beta Testing instructions on Slack for Q & Notebook respectively
- DH/EG to create/update all workflow diagrams & place on WordPress
- MG add 3 missing models to CMIP5 viewer [IN-PROGRESS]
- EG to have CMIP Panel advertise specializations
  - postpone “operational” deadline
  - review text in wordpress / blog (TODO: setup by MG; complete by CB & EG on realm feedback process)
- MG to republish experiments
  - wait for page sync of version of CMIP6 CV, Karl's spreadsheet (in github), and the ES-DOC Viewer
  - [was MG to create page under CMIP6 (called “controlled vocabularies”?) in order to record metadata synchronization issues - and indicate which source is the master]
- MG to create a “sandbox” for beta testing
  - Thibaut (IPSL) to test
- CP: interface for CMIP6 metadata synchronisation issues [???
- MG: further-info-url landing page (F2F needed?) [IN-PROGRESS]
- HR/MS to look into DKRZ hosting future f2f after landing page exists
- MG create HTML / PDF view of specialization (b/c MindMaps are not always intuitive)
- CP: CVs sync
- ME was concerned about adding content to the coupling section in order to record sufficient detail w/out breaking the generic property/value structure of the CIM; EG suggested that this sort of information belongs at the component (realm) level rather than the top-level; MG suggested storing this content separately in github w/ the ability to display it in the viewer.
  - CP has contacted Paul Durack & Martin Jukes re: what pieces of information end up going into the CMIP6 CV & data request

- status reports:
  - Allyn
    - still awaiting Cecelia’s approval for the announcement of the recent Q release
    - working on importing CIM2 documents...
• have built the UI for this; can read in a JSON document & convert it to pyesdoc; *cannot* convert pyesdoc to Django (meeting w/ Mark)
  ○ Charlotte
    • CP has been in contact with Paul Durack & Martin Jukes re: what pieces of information end up going into the CMIP6 CV & data request
      • b/c they want to use ES-DOC experiment description in their CV
      • MG: Yes, because WCRP have already agreed to use ES-DOC experiment description
    • CMIP6 versioning of documents [WCRP CMIP/CMIP6_CVs#28](https://docs.google.com/presentation/d/1zUPwHyoIVLfbgjr7QTmCPx7garf24sCRKGqaVBM8_E/edit#slide=id.p4)
  ○ Chris
  ○ David
    • Technical checklist for liaison - draft [https://docs.google.com/document/d/1oANCCLms-17zdUOM4Or-wElgyRsr4zp3NIMBLY94sG8/edit](https://docs.google.com/document/d/1oANCCLms-17zdUOM4Or-wElgyRsr4zp3NIMBLY94sG8/edit)
    • Chased up LASG-IAP ES-DOC liaison for beta-testing - following leads from Balaji. Still no response!
    • Created a diagram showing links between documents - possibly not for external consumption, but could be useful.
  ○ Eric
  ○ Hans
  ○ Mark E.
  ○ Mark G.
    • worked on Pyessd lib
    • Model Jupiter notebook almost complete
    • Institutes github
  ○ Martina

• **User Interaction:**

• **Beta Testing**
- beta testing will be a two-phase process: data entry & document publication
- **TODO**: DH: identify liaisons from 3 new testing groups [in progress]
  - beta testing can begin before all 3 liaisons are in-place
  - **TODO**: organise telco to begin instructing liaisons on creation tools
- **TODO**: AT & MG to provide invitation email for model creation using Q & notebook respectively on Slack beta-testing channel [on going]

- **Community Review & Support / Outreach**
  - **TODO**: article in EOS/BAMS (EG)
  - proposed timeline for **review of realms**:
    - a - community review of first 5 realms until end of April ("top level", atmosphere, ocean, oceanBGC, sea-ice)
    - b - release of V1.0 of first 5 realms May 15th
    - c - draft version of last 4 realms ready April 15th
      - Land Surface, Atmos Chemistry, Land Ice, Aerosols
      - David and Eric to lead, Charlotte to identify experts for Atmos Chem and Aerosols
    - d - community review of last 4 realms until May 15th
    - e - release of V1.0 of last 4 realms by May 30th
  - **TODO**: produce HTML page to render realms and add in realms table (MG)
- **PI Report**
  [https://docs.google.com/document/d/19joU2-FbWW3KxBNG-rVgxwYMYs5Jy1rLOS6AaMV9SWtl/edi]
  - PI Telco to be called sometime after this

- **WordPress Site**
  - **TODO**: plan next ES-DOC news topic
  - **TODO**: create a blog

- **Workflow Tools / Documents**
• **Conformance**
  • DH creating 2 spreadsheets (on Slack conformance)
    • global defaults
      [https://docs.google.com/spreadsheets/d/1qJSxCJAWNkYHT9rxg9Kfs3pW8GmC9g8b4ZK83J Ao/edit]
    • per model/MIP
      [https://docs.google.com/spreadsheets/d/1ZBt31ubyZvtS_EhTyvNQmlfPiplkleB\agPhYJ0kok/edit]
    • these will be autogenerated

• **Performance**

• **Further Info URL**
  • **TODO**: landing page (MG)
  • Explore F2F in Hamburg to flesh this out

• **Experiments**
  • when will the final version be ready? [**TODO**: EG to check w/ Karl]

• **Document Creation Tools**

• **Questionnaire**

• **Ipython Notebook**
  • **TODO**: MG to add separate validate / save / publish lines at the bottom of each notebook

• **Seeding Documents**
  • DH: how do we distinguish between copy for publishing vs copy for editing
  • AT: the Q explicitly asks “Check this to copy the document as is, instead of using it as the basis of a new document.”
  • EG: there still ought to be a verification step, to prevent publishing incorrect documents

• **Model configuration file to initialise**
• example csv on slack:cmip6-models
• Review documentation in wordpress [DH]
• Will require human exchange with liaison to sync seeding
• Use simple and plain English (initialise rather than seeding)
• master in es-doc/docs [MG]
• TODO: clone in each modelling group repo and adapt following source_ID CMIP6 CV file [DH + MG]

• CIM Schema & Specializations
  • As per ME's conversation last week, where are coupling details going to be stored? at the top-level? at the component (realm) level? in a separate config file? in github?
  • top-level
    • ME wants to add content to the coupling section in order to record sufficient detail w/out breaking the generic property/value structure of the CIM
    • EG: details of particular coupling fields may be better recorded at the component (realm) level
    • MG: alternatively store content in institute-specific github repository & display in the viewer
  • aerosols
  • atmosphere
  • atmospheric chemistry
  • land ice
  • land surface
  • ocean
  • ocean biogeochemistry
  • seaice
    • TODO: AT (w/ Ruth) to make requested changes

• Operations
- **TODO**: HackPad is moving to Dropbox Paper; AT will coordinate move to Google Docs

- **Security**
  - [TODO]: ALL to setup encrypted email via pgp - hold off
  - **TODO**: republish project-wide documents under the official ES-DOC Google account

- *next ES-DOC Telco: Tuesday 06 June 2017*