

# DM Leadership Team Meeting 2017-03-27

## Location

| Browser   | Room System  | Phone Dial-in  |
|---|--|--|
| <a href="https://bluejeans.com/293724745/">https://bluejeans.com/293724745/</a> | <ol style="list-style-type: none"><li>Dial: 199.48.152.152 or <a href="http://bjn.vc">bjn.vc</a></li><li>Enter Meeting ID: 293724745 -or- use the pairing code</li></ol> | Dial-in numbers: <ul style="list-style-type: none"><li>+1 408 740 7256</li><li>+1 888 240 2560 (US Toll Free)</li><li>+1 408 317 9253 (Alternate Number)</li></ul> Meeting ID: 293724745 |

(back to the [list of all DMLT meeting minutes](#))

## Time

10:00am PT

## Attendees

- [Unknown User \(lpetrick\)](#)
- [Tim Jenness](#)
- [Mario Juric](#)
- [Eric Bellm](#)
- [Kian-Tat Lim](#)
- [Michael Wood-Vasey](#)
- [Simon Krughoff](#)
- [John Swinbank](#)
- [Robert Lupton](#)
- [Donald Petravick](#)
- [Margaret Gelman](#)
- [Frossie Economou](#)
- [Gregory Dubois-Felsmann](#)
- [Fritz Mueller](#)
- [Jim Bosch](#)
- [Zeljko Ivezic](#)
- [Wil O'Mullane](#)
- [Victor Krabbendam](#)
- [Unknown User \(ciardi\)](#)

### Regrets:

- [Unknown User \(xiuqin\)](#)

## DMLT Meeting Goals

- Weekly meeting to keep the DM leadership team **coordinated, informed, and in agreement** on the **vision, priorities, and challenges** facing DM construction, including **surfacing and resolving issues and ambiguities needing our attention**. The goal of this meeting is to provide information and decisions that help each one of us better direct our own (or our team's) activities.

## Discussion Items

Guidelines: Propose items in line with the meeting rationale (see above); include as much information in the agenda notes; summarize, don't go into details while on the call; maximize time available for discussion.

| Time | Item | Who | Notes |
|------|------|-----|-------|
|------|------|-----|-------|

| 10 min                 | Overdue RFCs   | Tim Jenness                          | <p>RFCs with "Planned end" past "now".</p> <table border="1"> <thead> <tr> <th>Key</th> <th>Summary</th> <th>T</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>RFC-684</td> <td>Add Click package as lsst_distrib dependency through daf_butler</td> <td></td> <td>PROPOSED</td> </tr> <tr> <td>RFC-682</td> <td>Add the "scikit-image" package to scipipe_conda_env</td> <td></td> <td>PROPOSED</td> </tr> <tr> <td>RFC-680</td> <td>Add Kernel Hough Transform as third-party package</td> <td></td> <td>PROPOSED</td> </tr> <tr> <td>RFC-675</td> <td>Add HoloViz and geopandas to the distributed stack</td> <td></td> <td>PROPOSED</td> </tr> <tr> <td>RFC-662</td> <td>Adopt Parquet as user facing columnar data format for LSST catalog data</td> <td></td> <td>PROPOSED</td> </tr> <tr> <td>RFC-652</td> <td>Explicitly add ObsTAP support to the LSP requirements, LDM-554</td> <td></td> <td>PROPOSED</td> </tr> <tr> <td>RFC-651</td> <td>Explicitly add TAP UPLOAD (temporary-table-upload-and-join) to the LSP DAX and database requirements</td> <td></td> <td>PROPOSED</td> </tr> </tbody> </table> <p>7 issues</p> <ul style="list-style-type: none"> <li> RFC-243 - Request for a regularly updated pipeline output dataset <span>ADOPTED</span> action will be deferred until after Wil has started and after the AMCL push</li> </ul>   | Key | Summary | T | Status | RFC-684 | Add Click package as lsst_distrib dependency through daf_butler |  | PROPOSED | RFC-682 | Add the "scikit-image" package to scipipe_conda_env |  | PROPOSED | RFC-680 | Add Kernel Hough Transform as third-party package |  | PROPOSED | RFC-675 | Add HoloViz and geopandas to the distributed stack |  | PROPOSED | RFC-662 | Adopt Parquet as user facing columnar data format for LSST catalog data |  | PROPOSED | RFC-652 | Explicitly add ObsTAP support to the LSP requirements, LDM-554 |  | PROPOSED | RFC-651 | Explicitly add TAP UPLOAD (temporary-table-upload-and-join) to the LSP DAX and database requirements |  | PROPOSED |
|------------------------|--|--------------------------------------|--|-----|---------|---|--------|---------|---|--|----------|---------|---|--|----------|---------|---|--|----------|---------|--|--|----------|---------|---|--|----------|---------|--|--|----------|---------|--|--|----------|
| Key                    | Summary  | T                                    | Status   |     |         |   |        |         |   |  |          |         |   |  |          |         |   |  |          |         |  |  |          |         |   |  |          |         |  |  |          |         |  |  |          |
| RFC-684                | Add Click package as lsst_distrib dependency through daf_butler                                      |                                      | PROPOSED   |     |         |   |        |         |   |  |          |         |   |  |          |         |   |  |          |         |  |  |          |         |   |  |          |         |  |  |          |         |  |  |          |
| RFC-682                | Add the "scikit-image" package to scipipe_conda_env  |                                      | PROPOSED   |     |         |   |        |         |   |  |          |         |   |  |          |         |   |  |          |         |  |  |          |         |   |  |          |         |  |  |          |         |  |  |          |
| RFC-680                | Add Kernel Hough Transform as third-party package  |                                      | PROPOSED   |     |         |   |        |         |   |  |          |         |   |  |          |         |   |  |          |         |  |  |          |         |   |  |          |         |  |  |          |         |  |  |          |
| RFC-675                | Add HoloViz and geopandas to the distributed stack   |                                      | PROPOSED   |     |         |   |        |         |   |  |          |         |   |  |          |         |   |  |          |         |  |  |          |         |   |  |          |         |  |  |          |         |  |  |          |
| RFC-662                | Adopt Parquet as user facing columnar data format for LSST catalog data                              |                                      | PROPOSED   |     |         |   |        |         |   |  |          |         |   |  |          |         |   |  |          |         |  |  |          |         |   |  |          |         |  |  |          |         |  |  |          |
| RFC-652                | Explicitly add ObsTAP support to the LSP requirements, LDM-554                                       |                                      | PROPOSED   |     |         |   |        |         |   |  |          |         |   |  |          |         |   |  |          |         |  |  |          |         |   |  |          |         |  |  |          |         |  |  |          |
| RFC-651                | Explicitly add TAP UPLOAD (temporary-table-upload-and-join) to the LSP DAX and database requirements |                                      | PROPOSED   |     |         |   |        |         |   |  |          |         |   |  |          |         |   |  |          |         |  |  |          |         |   |  |          |         |  |  |          |         |  |  |          |
| 5 min                  | Outstanding DMLT actions   |                                      | See links and action item report below.  |     |         |   |        |         |   |  |          |         |   |  |          |         |   |  |          |         |  |  |          |         |   |  |          |         |  |  |          |         |  |  |          |
| 15 min                 | Change Control Board report  | Gregory Dubois-Felsmann, Tim Jenness | <p>Report from 21 March 2017 Change Control Board meeting.</p> <p>See also <a href="#">Change requests of interest to DM</a>.</p> <p>Discussions of:</p> <ul style="list-style-type: none"> <li>LCR-908 (keep all releases spinning): Included discussion of the interpretation of an LSR-level requirement to make (old) data recomputable on demand. Do we already have to do this? Requires a substantive intra-DM discussion. <a href="#">Mario Juric</a>: we have promised this to users. <a href="#">Gregory Dubois-Felsmann</a>: we have not adequately costed a requirement to maintain a <i>service</i> that can run DR1 code in Year 11 to regenerate non-persisted data products on demand. There is no debate that we are required to maintain enough <i>information</i> (data, code, calibrations) to permit a motivated party to set up the recomputations.</li> <li>Proposed change request to keep Processed Visit Images (PVIS, a/k/a calexps) on disk for active releases: Current baseline is to keep only most recent 30 days and recreate others on demand. Recreation on-demand requires staging raw data from tape and then reprocessing through at least the single-visit level of processing. Latency for a request could be 10s of minutes, more depending on demand and on contention for tape drives. Need to estimate demand. <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Unknown User (ciardi) to prepare the science case for PVI storage. NCSA will provide an initial sizing estimate. 03 Apr 2017</li> </ul> </li> <li>Proposed change request to keep HeavyFootprints on disk for active releases: Current baseline is that these are discarded after processing and must be recomputed by re-running deblending. No clear statement in our design that a HeavyFootprint-recomputation <i>service</i> will be provided. <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> <a href="#">Jim Bosch</a> and <a href="#">DRP</a> to prepare the science case and estimate the amount of storage required. 03 Apr 2017</li> </ul> <div style="border: 1px solid gray; padding: 2px; display: inline-block;">  DM-9962 - Write proposal for storing coadd HeavyFootprints <span>DONE</span> </div> </li> </ul> <p><a href="#">Beth Willman</a> (at CCB meeting last week): Change requests should be submitted before May in order for them to be taken into account in the operations proposal.</p> <p><a href="#">Mario Juric</a>: aim at "1/2 page" for science cases</p> <p><a href="#">Gregory Dubois-Felsmann</a>: suggests that we work toward a more formal internal process for analyzing and flowing down project-level change requests.</p> |     |         |   |        |         |   |  |          |         |   |  |          |         |   |  |          |         |  |  |          |         |   |  |          |         |  |  |          |         |  |  |          |
| 5 min                  | Attendance at major meetings   |                                      | <p>Discuss DM attendance at:</p> <ul style="list-style-type: none"> <li>Edinburgh (<a href="#">Robert Lupton</a>)</li> <li>Lyon</li> <li>IVOA in Shanghai - <a href="#">Fritz Mueller</a> wants <a href="#">Kenny Lo</a> and <a href="#">Brian Van Klaveren</a> to attend and ... <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> <a href="#">Fritz Mueller</a> will write a justification for this travel (IVOA Shanghai).</li> </ul> </li> <li>DMLT F2F meeting - early May in Seattle? There is a PST meeting scheduled for May 8 and 9 in Seattle, so maybe we can work around this since staff from the East coast will be flying in for this meeting. <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Unknown User (lpetrick) will send out a Doodle poll today to capture everyone's availability the first two weeks of May. Here are the poll results: <a href="http://doodle.com/poll/4tuvn5ev2hdemid9">http://doodle.com/poll/4tuvn5ev2hdemid9</a></li> </ul> </li> </ul>   |     |         |   |        |         |   |  |          |         |   |  |          |         |   |  |          |         |  |  |          |         |   |  |          |         |  |  |          |         |  |  |          |
|                        | DMLT Travel & Availability This Week   |                                      | <a href="#">Unknown User (xiuqin)</a> on vacation this week. <a href="#">Gregory Dubois-Felsmann</a> will be on vacation on Tuesday and Friday of next week (04 Apr 2017 and 07 Apr 2017).   |     |         |   |        |         |   |  |          |         |   |  |          |         |   |  |          |         |  |  |          |         |   |  |          |         |  |  |          |         |  |  |          |
| <b>Matters arising</b> |  |                                      |  |     |         |   |        |         |   |  |          |         |   |  |          |         |   |  |          |         |  |  |          |         |   |  |          |         |  |  |          |         |  |  |          |
| 25 min                 | Other Business   | Mario Juric, Kian-Tat Lim            | <ul style="list-style-type: none"> <li>Sizing Model Seminar to be presented by <a href="#">Kian-Tat Lim</a> on Wednesday, 3/29, from 11-1 Pacific (BlueJeans 293724745 (DMLT, ls.stj/mc)).</li> <li>Software Distribution Policy - <a href="#">Frossie Economou</a> has been in discussion with <a href="#">Scott Daniel</a> and <a href="#">Mike Reuter</a> re CentOS or binaries; here is a link to discussion notes: <a href="https://www.evernote.com/l/AstCveMeON9FrqZnbF-bUa2addRzzPZK8us">https://www.evernote.com/l/AstCveMeON9FrqZnbF-bUa2addRzzPZK8us</a></li> <li>NCSA is asking about requirements for data challenges and operational dress rehearsals, for planning purposes including hardware acquisition; <a href="#">Mario Juric</a> will talk off-line and get this started.</li> </ul>   |     |         |   |        |         |   |  |          |         |   |  |          |         |   |  |          |         |  |  |          |         |   |  |          |         |  |  |          |         |  |  |          |

Postponed for subsequent DMLT / proposed for future DMLT:

| Time | Item                  | Who | Notes |
|------|-----------------------|-----|-------|
|      | Add new items here... |     |       |

## Past action items

- See the [report on all outstanding DMLT meeting action items](#) (Confluence tasks)
- See the [report on all outstanding JIRA issues assigned to the DMLT team](#) (includes DMLT label as well for historical reasons)

## Recently created open actions (from the ~previous two DMLT meetings):

| Description  | Due date    | Assignee                           | Task appears on   |
|--|-------------|------------------------------------|---|
| <input type="checkbox"/> <a href="#">Colin Slater</a> — ensure change control policy for BaselineSchema.yaml is documented. <b>06 Apr 2020</b>   | 06 Apr 2020 | <a href="#">Colin Slater</a>       | DM Leadership Team Virtual Face-to-Face Meeting, 2020-02-25 to 27 |
| <input type="checkbox"/> <a href="#">Eric Bellm</a> — submit an LCR describing changes to the construction plan to enable incremental template generation. <b>30 Mar 2020</b>  | 30 Mar 2020 | <a href="#">Eric Bellm</a>         | DM Leadership Team Virtual Face-to-Face Meeting, 2020-02-25 to 27 |
| <input type="checkbox"/> <a href="#">Fritz Mueller</a> — find somebody to update the online schema browser. <b>06 Apr 2020</b>   | 06 Apr 2020 | <a href="#">Fritz Mueller</a>      | DM Leadership Team Virtual Face-to-Face Meeting, 2020-02-25 to 27 |
| <input type="checkbox"/> <a href="#">Frossie Economou</a> — suggest construction milestones for the EFD. 27 Apr 2020   | 27 Apr 2020 | <a href="#">Frossie Economou</a>   | DMLT Meeting - 2020-04-06   |
| <input type="checkbox"/> <a href="#">Frossie Economou</a> — get JS9 and Ginga integrated into the LSP JupyterLab environment (date TBC). 04 May 2020   | 04 May 2020 | <a href="#">Frossie Economou</a>   | DM Leadership Team Virtual Face-to-Face Meeting, 2020-02-25 to 27 |
| <input type="checkbox"/> <a href="#">Gabriele Comoretto</a> & Architecture team — ensure a version of the detailed DM product tree (LDM-ized version of DMTN-104) is baselined. 28 Apr 2020  | 28 Apr 2020 | <a href="#">Gabriele Comoretto</a> | DM Leadership Team Face-to-Face Meeting, 2019-10-28 to 30         |
| <input type="checkbox"/> <a href="#">Kian-Tat Lim</a> & <a href="#">Michelle Butler</a> — propose a design and schedule for deploying a rapid processing system at the LDF. 20 Apr 2020  | 20 Apr 2020 | <a href="#">Kian-Tat Lim</a>       | DMLT Meeting - 2020-03-02   |
| <input type="checkbox"/> <a href="#">Leanne Guy</a> , <a href="#">Robert Gruendl</a> , <a href="#">Kian-Tat Lim</a> — clarify exactly of what Robert is product owner. <b>13 Apr 2020</b>  | 13 Apr 2020 | <a href="#">Leanne Guy</a>         | DMLT Meeting - 2020-03-30   |
| <input type="checkbox"/> <a href="#">Leanne Guy</a> — present status on RC2 ingest to Qserv at May DMLT. 05 May 2020   | 05 May 2020 | <a href="#">Leanne Guy</a>         | DM Leadership Team Virtual Face-to-Face Meeting, 2020-02-25 to 27 |
| <input type="checkbox"/> <a href="#">Leanne Guy</a> — produce a plan for interaction between the DPDD and the concrete SDM schema. <a href="#">DM-23818</a> - Getting issue details... <span style="border: 1px solid gray; padding: 2px;">STATUS</span> 04 May 2020 | 04 May 2020 | <a href="#">Leanne Guy</a>         | DM Leadership Team Virtual Face-to-Face Meeting, 2020-02-25 to 27 |