Community Communications

Beth Willman/Ranpal Gill
LSST Deputy Director/Communications Manager

Science Advisory Committee Meeting
21st February 2018
Overview

Presentation will cover

- Current initiative to improve “for scientists” area on LSST website
  - Why?
  - What?
  - When?
- Other channels
  - External
  - Internal
- LSST Survey naming
How often do you use the following channels to get information about LSST?

- Science Collaboration emails
- LSST public website
- LSST Digest
- LSST blog posts
- LSST Community Forum
- Professional meetings

- Never
- Rarely
- Occasionally
- Frequently
Which LSST topics do you most want to receive more information about? (Choose up to 3)

85 responses

- I'm pretty plugged in already: 1
- Is the project on track: 1
- Camera status: 1
- Current policies and plans about availability of SV data: 1
- Data Rights and Data Access: 34
- Education and Public Outreach: 16
- Alert Event Brokers: 14
- Alert Stream: 23
- Science Pipelines and Algorithms: 53
- Commissioning Strategy: 30
- Survey Observing Strategy: 52
- General Project Information: 51

#1: Science Pipelines and Algorithms
#2: Survey Observing Strategy
#3: General Project Information
#4: Data Rights and Data Access
<table>
<thead>
<tr>
<th>Current</th>
<th>vs</th>
<th>Desired</th>
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<tbody>
<tr>
<td>The community <strong>want</strong> information on (top 4 only):</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Science Pipelines and algorithms</td>
<td></td>
<td></td>
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<tr>
<td>2. Survey obs strategy</td>
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<tr>
<td>3. General project information</td>
<td></td>
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<tr>
<td>4. <em>Data Rights and Data Access</em></td>
<td></td>
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<tr>
<td>They generally get information from (top 3 only):</td>
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<tr>
<td>1. Sci Collab Email</td>
<td></td>
<td></td>
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<tr>
<td>2. Professional meetings</td>
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<td></td>
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<tr>
<td>3. <strong>LSST website</strong> (<a href="https://www.lsst.org/scientists">https://www.lsst.org/scientists</a>)</td>
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Review committee

**Members**
- Federica Bianco - TVS Collab
- Dara Norman - Galaxies Collab (&LCSC-NOAO)
- Michelle Bannister - Solar system or
- Aprajita Verma - strong lensing
- Ranpal Gill – LSST PO

**Chair**
- Federica Bianco - TVS Collab

**Support**
- Ranpal Gill
- Emily Acosta
Review & Feedback

DM-SST

PST

Community

Committee

lsst.org/scientists
## Timeline

<table>
<thead>
<tr>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
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<tbody>
<tr>
<td>Evaluate current pages</td>
<td>Get inputs</td>
<td>Categorise and rank suggestions</td>
<td>Update web pages</td>
<td>Usability testing</td>
</tr>
<tr>
<td>Document maintenance plan</td>
<td>Go Live</td>
<td>Completed 15&lt;sup&gt;th&lt;/sup&gt; Feb</td>
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Science Advisory Committee Meeting • Princeton, NJ • 21<sup>st</sup> February 2018
Other Channels
LSST News Digest for 14 February 2018

[Also posted and archived at https://www.lsst.org/news/digest]

PROJECT & SCIENCE NEWS - Noticias del Proyecto

A meeting of AURA’s Management Council for LSST (AMCL) took place in Tucson on January 29-30. The AMCL, which meets three times a year, is an advisory board for LSST. AURA President Matt Mountain was present along with LSST Senior Management for a productive agenda of presentations and discussions.

The LSST Overview paper will be issued soon; to prepare for this, the Project Office has initiated verification of the “Builders List” in preparation for the release.

LSST’s Auxiliary Telescope, which has been under refurbishment at the LSST Project Office in Tucson, will soon undergo functional testing. This will provide valuable insights about the Auxiliary Telescope and its role in the LSST survey, as discussed in this recent news post.

The Dark Energy Science Collaboration (DESC) winter meeting was held at SLAC on February 5-9. More than 170 participants attended the meeting, which focused on the Dark Camera clean room. The meeting kicked off with the 7th edition of Dark Energy School, a one-day interactive session designed to prepare students for the upcoming year of DESC activities.
LSST News Digest for 31 January 2018

[Also posted and archived at https://www.lsst.org/news/digest]

PROJECT & SCIENCE NEWS - Noticias del Proyecto

The 231st AAS Meeting concluded on January 12 in National Harbor, MD. LSST hosted a well-attended Town Hall during the meeting; slides from presentations given at the event are available here. LSST also staffed an exhibit booth (photo here) in the NSF Pavilion throughout the meeting.

To alleviate persistent communications challenges with terminology LSST will no longer use the Data Management terms “Level 1,” “Level 2,” and “Level 3” for core data products. Instead we will use the clearer terms “Prompt Products,” “Data Release Products,” and “User Generated Products,” respectively. This terminology is product types in Project documents. A selection of community-facing Project documents and webpages are being updated to reflect the change.

A Provisional Acceptance Test of the washing facility will take place later this month at the Von Ardenne facilities in Dresden, Germany. The review includes observations by LSST Coating Chamber Engineer Tomislav Vicuna. This special machinery will remove the old mirror coating and wash the mirror prior to moving it into the coating process for washing and coating LSST’s mirrors can be found in this recent news item.

The Back Flange of the LSST Camera was received at SLAC National Accelerator Laboratory last week (click here for a photo). Fabricated from a single piece of alum NY, the Back Flange provides structural support for the rest of the Camera and is the mechanical interface between the Camera and Telescope. At SLAC, purge line will be fitted next few months. Then it will be shipped to IN2P3 in France, where it will be integrated with the filter exchange carousel and auto changer.
Events

PCW

PST-Sci Collab - Monthly
Town Hall

White paper timeline

Science Collaboration posters
Participate in LSST

Now that LSST has received its federal construction start, the Project Office is focused on building the facility and the role of engaging the community to Enable Science from LSST during operations has been taken on by the LSST Corporation.

There are many ways for you to participate in LSST now:

- LSST Communications Code of Conduct (PDF)
- Be informed by subscribing to our Project Digest
- Or join the Scientists Mailing List
- The community.lsst.org forum is available for technical discussion and community-based software support
- Read the community white paper on the LSST Observing Strategy in arxiv and contribute to the living document in GitHub.
- Become an Institutional Member of LSSTC
- Become an International Contributor to support Operations
- Join a Science Collaboration
- Interact with the LSST Science Advisory Committee
- Visit the LSST Data Management Website for information on downloading the Open Source Software stack and accessing data sets, begin by reading the User's Guide
- Visit the LSST Simulation Website for information on the LSST Image and Operations Simulations efforts
- Join the Team - LSST is Hiring
- There are also opportunities for Doing Business with LSST

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<thead>
<tr>
<th>Key</th>
<th>Summary</th>
<th>Assignee</th>
<th>Reporter</th>
<th>Status</th>
<th>Resolution</th>
<th>Created</th>
<th>Updated</th>
<th>Due</th>
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<tr>
<td>COMT-8</td>
<td>[LSST]Communications-Team #202 Re: Education and Outreach Strategy- Eclipse 2019</td>
<td>Amanda Bauer</td>
<td>Ranpal Gill</td>
<td>IN PROGRESS</td>
<td>Unresolved</td>
<td>26/Sep/17</td>
<td>09/Nov/17</td>
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<td>Update For Scientist pages on LSST website</td>
<td>Ranpal Gill</td>
<td>Mario Juric</td>
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<td>06/Oct/17</td>
<td>13/Feb/18</td>
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<td>COMT-46</td>
<td>[LSST]Communications-Team #252 Training Update Emails</td>
<td>Ranpal Gill</td>
<td>Chris Montgomery</td>
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<td>04/Jan/18</td>
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<td>COMT-64</td>
<td>[LSST]Communications-Team #293 Employee Farewell SOP Document-20947</td>
<td>Emily Acosta</td>
<td>Libby Montgomery</td>
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<td>31/Jan/18</td>
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<td>COMT-82</td>
<td>Renew surveymonkey account</td>
<td>Libby Petrick</td>
<td>Ranpal Gill</td>
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<td>02/Jul/18</td>
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<td>COMT-93</td>
<td>Meet to discuss Webdam AI</td>
<td>Ben Emmons</td>
<td>Suzanne Jacoby</td>
<td>TO DO</td>
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<td>25/Jan/18</td>
<td>30/Mar/18</td>
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<td>Create working in Chile pages on project website</td>
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<td>Emily Acosta</td>
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<td>COMT-175</td>
<td>Write story on shipments to summit in 2018</td>
<td>Suzanne Jacoby</td>
<td>Suzanne Jacoby</td>
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<td>COMT-179</td>
<td>Email list of builders</td>
<td>Ranpal Gill</td>
<td>Tim Jenness</td>
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<td>15/Dec/17</td>
<td>13/Feb/18</td>
<td>19/Feb/18</td>
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LSST Community Science Center
LSST Community Science Center Development

- NOAO was asked by NSF in 2016 to lead the development of an “LSST Community Science Center” concept
- Initial concept developed by NOAO internal task force
- Community-based LSST Community Science Center (LCSC) Working Group recruited and convened to develop concept and priorities more completely
- Multiple telecons over several months, plus one face-to-face meeting in Tucson in August 2017
- Final WG report was delivered to NOAO in Sep/Oct 2017

Led by Adam Bolton and Dara Norman (NOAO Community Science and Data Center)
Slides provided by A. Bolton.
NOAO’s Community Science and Data Center

Current Programs

NOAO Data Lab

*Platform for science with large public survey datasets*

ANTARES Project

*Scalable community “event broker” for LSST alert stream*

Archiving, processing, and distribution of NOAO telescope data

Telescope proposal review and time allocation

US National Gemini Office

*Interface to the Gemini Observatory for the US community*

Thirty Meter Telescope Liaison
LCSC Working Group Charge

(abridged)

To identify and articulate

1. Goals, requirements, and aspirations for community science with LSST, and

2. Priorities for support and infrastructure that an LSST Community Science Center should provide to enable this science.
LCSC WG membership

- M. Virginia McSwain (Lehigh University, co-chair)
- Dara Norman (NOAO, co-chair)
- Federica Bianco (New York University)
- Will Clarkson (University of Michigan, Dearborn)
- Suvi Gezari (University of Maryland)
- Melissa Graham (University of Washington)
- Henry Hsieh (Planetary Science Institute)
- Bryan Miller (Gemini Obs.)
- Travis Rector (University of Alaska)
- Steve Ridgway (NOAO)
- Abi Saha (NOAO)
- Marcelle Soares-Santos (Fermi Lab)
- Lou Strolger (STScI)
- Kathy Vivas (NOAO)

Diverse representation from US LSST science community
LCSC WG High-Level Recommendations

1. Facilitate, curate, and improve communication about LSST for the broad US astronomical user community

2. Support and train the US astronomical user community for data-intensive science in the LSST era, focusing on Data Lab, ANTARES, and the LSST Science Platform

3. Lead community and institutional efforts across the OIR system to develop new infrastructure, practices, and policies for LSST time-domain follow-up observing

4. Facilitate community-wide development of the case for a 10m-class wide-field spectroscopic telescope, and maximize public access to other LSST follow-up facilities
Open Questions to discuss w/ SAC

- Need to define and clarify LSST’s/NOAO’s/LSSTC’s roles and responsibilities for communicating with the science community.

- How can NOAO’s communications efforts best complement LSST’s? For example – NOAO hosts the US National Gemini Office, and an associated website. Do dual website add value, or add confusion?
 Rename LSST

- Planning has started!
- Initiative to name *The Survey*
- Align with *Camera Installed* milestone – Q4 2020
- "Community sourced" naming
- Prize – to be worked out
- Hopefully facilitated by *branding consultants*
- Committee – to be stood up to include LSSTC, AURA, SLAC..
Thank you
Discussion/feedback

- Do you have any feedback on the initiatives described?
- Any comments on the Annual Science Community Survey?
- Is there something that we are not doing and should be?