Welcome to the

LSSTC enabling science 2021 broker workshop part II

With support from:







Schedule:

https://www.lsstcorporation.org/meetings/2021-broker-workshop

Code of conduct

Fostering an **inclusive**, **barrier-free**, **and safe space** to the LSST enabling science 2021 Broker workshop part II is paramount. We aim and are committed to ensuring that while attending this event, **every person feels safe**, **respected and free from harassment and discrimination**.

We ask that you follow these guidelines:

- > **Behave professionally**. Harassment and sexist, racist, or exclusionary comments or jokes are not appropriate. Harassment includes sustained disruption of talks or other events, sexual attention or innuendo, deliberate intimidation, stalking, and photography or recording of an individual without consent. It also includes offensive comments related to race, gender, sexual orientation, disability, physical appearance, body size or religion.
- All **communication** should be **appropriate** for a professional audience including people of many different backgrounds. Sexual or sexist language and imagery is not appropriate.
- > **Be considerate and respectful to others**. Do not insult or put down other attendees. Critique ideas rather than individuals.

Summary of the brokers-workshop part I

- All talks were recorded and are available at https://www.youtube.com/playlist?list=PLFA428AMRhwCA1ayJug3b5pK6xdGlJnav
- LSST SCs provided extremely important feedback:



- We received different opinions about the format of the workshop (e.g., breakout rooms), thus we decided to keep the original format.

Goals brokers-workshop part II

- 1. Presentations and tutorials of products and services by **broker teams**.
- 2. Proposal of possible **community** standards, benchmarks, or initiatives to achieve more interoperability and resilience.
- 3. **Legacy**: creation of a high quality repository with the contents of the workshops, including talks and hands-on material.

First workshop (October 2020): Current status and requirements.

Second workshop (April 2021): Developments triggered by the first workshop and reflections from the different users and collaborations.

Logistics - slack, zoom and presentations

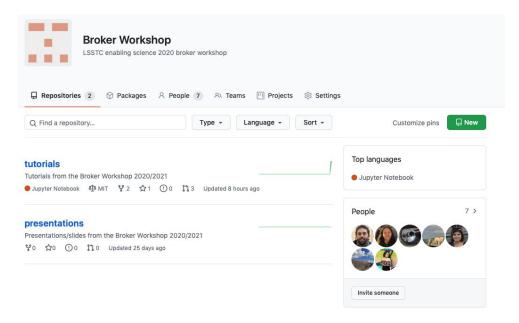
Please don't forget to keep your mic muted during the presentations!

- Slack channel in LSSTC space #brokers-workshop-2021
- Remember to update your **zoom to 5.3 or above**.
- We will record the talks and tutorials, if you are a speaker and don't want to be recorded, please let us know.
- Presentations (please stay on time!):
 - Talks: 20-minute and 10-minute presentations.
 - Tutorials: unless specifically stated all tutorials are 10 minutes long.

- We will be taking questions from both slack and zoom chat. Slack is preferred!
- We vividly encourage Early Career Researchers (ECR) to ask first!

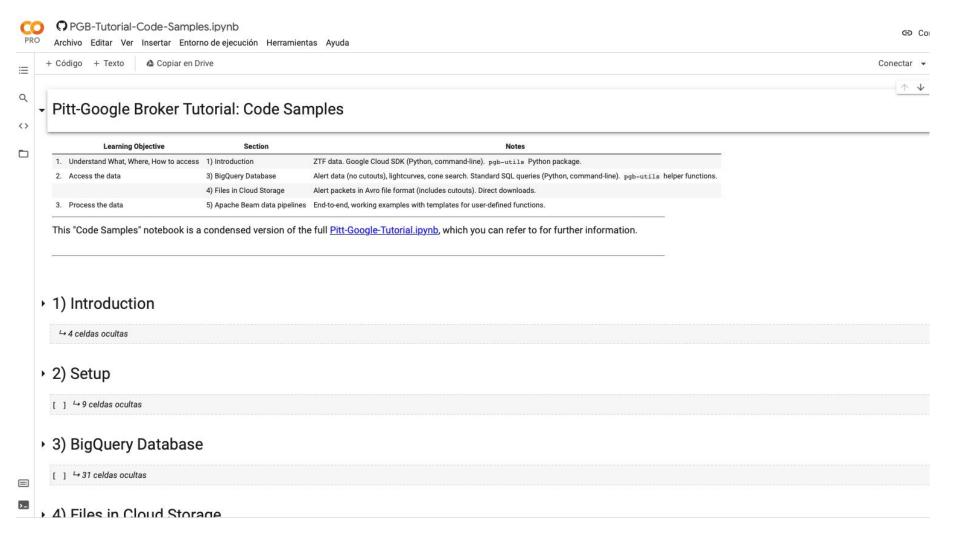
Logistics - tutorials

- The tutorials and presentations are available at: https://github.com/broker-workshop
- You can run the tutorials by yourself in the cloud service provided by each broker team (such as Google colab or JupyterHub).



□ broker-	workshop / 1	tutorials		
<> Code	(!) Issues	† Pull requests 3	Wiki ① Security 🗠 Insights 🕸 Settings	
		ያ main → ያ 5 branches ◊ 0 tags	Go to file A	dd file ▼
		fforster Fixed site name	b82842c 3 c	days ago 55 commits
		ALERCE	Fixed site name	3 days ago
		MPEL AMPEL	added required image for Extragalactic-AMPEL notebook	3 days ago
		ANTARES	Added ANTARES notebooks	4 days ago
		Lasair	removed tar	4 days ago
		Pitt-Google	adds link to full tutorial	3 days ago
		PointofInterest	Added notebook from Point of Interest	4 days ago
		SCIMMA	Added SCIMMA notebooks	4 days ago
		fink	Add missing deps in the requirements.txt	4 days ago
		fritz	add mobile screen caps	4 days ago
		.gitignore	Remove unused files, and add gitignore	5 days ago
		LICENSE	Create LICENSE	5 days ago
		☐ README.md	updates Colab link	3 days ago

utorials	
utorials from the Broker Workshop 2020/2021. Times are in UTC.	
pril 13th	
1:30 - 15:15 Tutorial: Broker interfaces I (45min)	
Pitt-Google - Colab link	
• Fink	
AEON/TOM	
• ANTARES	
5:20 - 16:05 Tutorial: Broker interfaces II (45min)	
SCIMMA	
• Lasair	
ALERCE	
AMPEL	
:45 - 18:30 Tutorial: Broker interfaces III + Solar System I (45min)	
Broker interfaces III:	
Babamul	
Skyportal/Fritz	
Solar System I	
 Fink - Colab link 	



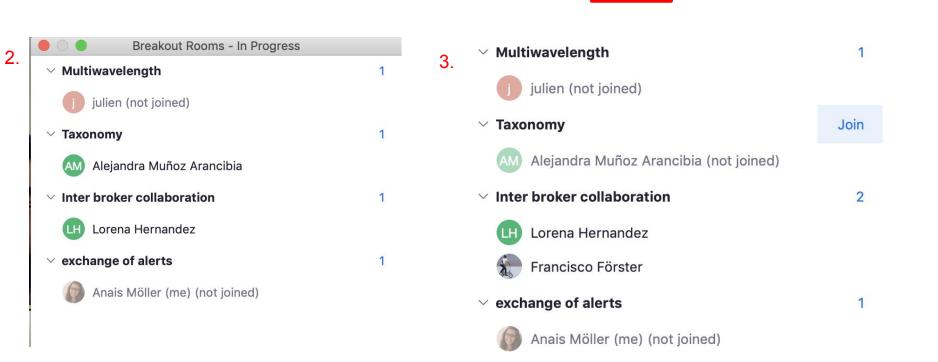
Logistics - discussion sessions

- Three discussion sessions with parallel breakout rooms:
 - Output of brokers: output alerts, APIs, standardization, benchmarks
 - Downstream from brokers: role of TOMs/Skyportal, follow-up, multimessenger astronomy
 - Science collaborations feedback: what is missing from brokers?
- You can propose topics for the parallel sessions in the slack channel.
- Please volunteer as moderator.
- Please keep track of the time.
- You or a representative of the group should prepare a short (1 minute) summary of your discussion to be presented on the last day.
- Please encourage the younger/students/ECR members of the audience to start the discussion with questions and topics to discuss.
- Foster an inclusive, barrier-free, and safe space for discussions!

Logistics - joining breakout sessions

1. Unit of the stop Video Participants Chat Share Screen Record Breakout Rooms Reactions

Leave



Today's schedule

Time in UTC but if you click the time: different time zones

Thanks to all moderators!

Hope you all have a productive time!

The organizing team is here to help LOC: Students:

Francisco Förster Burón
Lorena Hernández García
Emille Ishida
Anais Möller
Alejandra Muñoz Arancibia
Julien Peloton
Paula Sánchez Sáez

Marco Alban
Santiago Bernal
Miguel López
Vicente Maldonado
Javier Silva
Belen Sotomayor
Francisca Suárez

LSSTC enabling science 2021 broker II Day 1

April 13, 2021

Agenda for Day 1 (UTC, Apr 13th)

UTC time, Topic

- 14:00 Introduction & logistics (10 min)
- 14:10 Vera C. Rubin observatory & LSST, Melissa Graham (20 min)
- 14:30 Tutorial: Broker interfaces I (45min) Moderator: TBD
 - Pitt-Google
 - Fink
 - AEON/TOM
 - ANTARES
- 15:15 5 min break
- 15:20 Tutorial: Broker interfaces II (45min) Moderator: Eleni Graikou
 - SCIMMA
 - Lasair
 - ALeRCE
 - AMPEL
- 16:05 30 min break
- 16:35 Discussion: Output from brokers (50min)
- 17:25 Summary of discussion (15min)
- 17:40 5 min break
- 17:45 Tutorial: Broker interfaces III + Solar System (45min) Moderator: Keivan Stassun
 - · Broker interfaces III:
 - Skyportal/Fritz
 - Solar System
 - Fink
 - ANTARES
 - ALeRCE
- 18:30 End