

# 30 - Atividades Científicas no LIneA

Adriano Pieres

# Outline

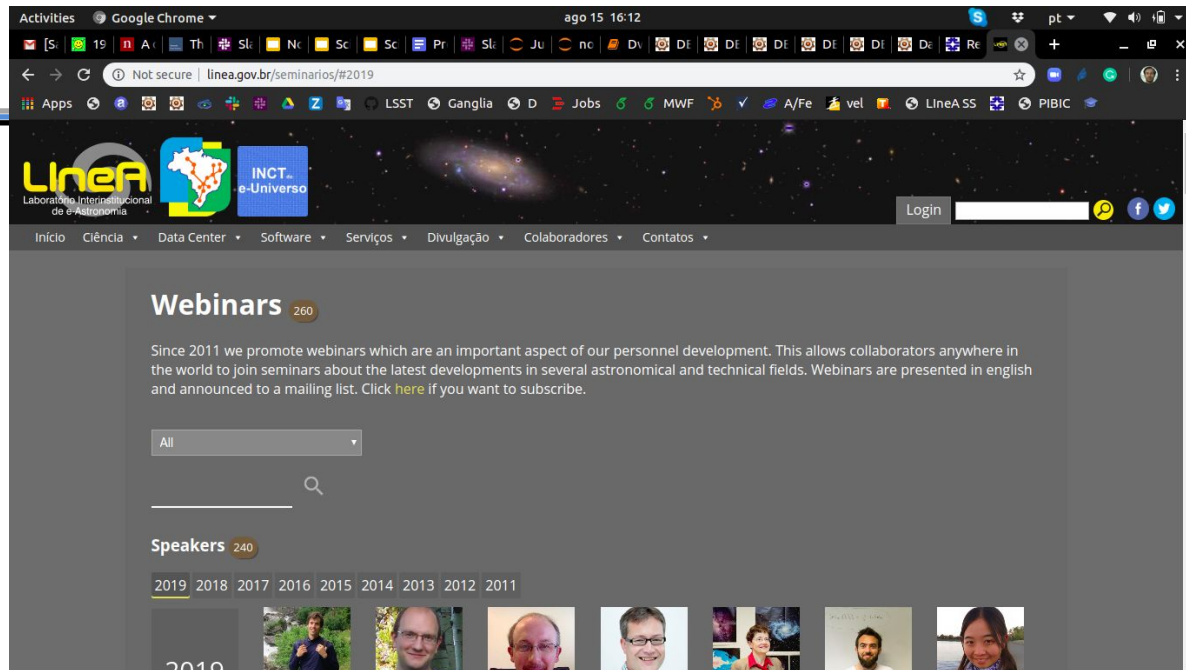
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- Where and how to share your Science on LIneA (contact and discuss)
- Webinars / meetings / telecons
- Implementation of scientific repo/publication policy on LIneA
- Summary

# Webinars / Meetings

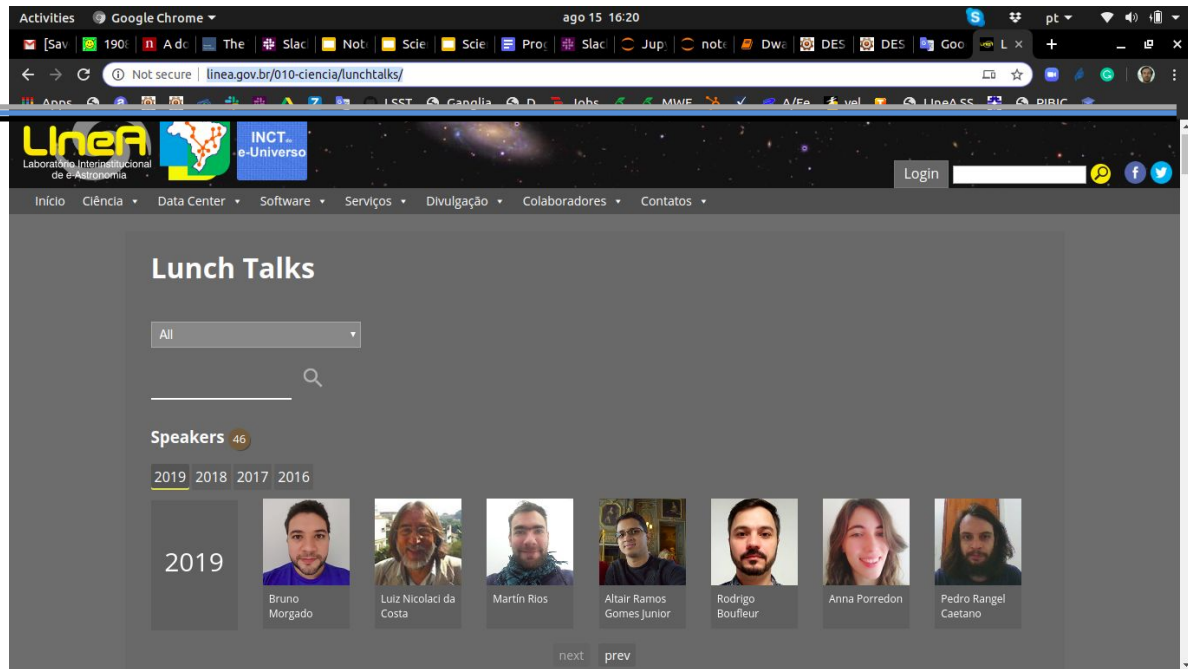
# Webinars

- Presentation 45-50min
- Every week!
- Announced by email
- [Usually Thursday at 11am]
- Remote connection via zoom - out to N participants
- Abstracts/presentations/videos available on <http://www.linea.gov.br/seminarios/>
- 256 videos since 2011
- Sponsors: Isadora Bicalho (isadora.bicalho@linea.gov.br) and Jáderson Schimóia (jaderson@linea.gov.br)



# Lunch Talks

- Presentation
- 30-45 min
- Eventual
- Tuesday at noon
- Abstracts/presentations/videos available on <http://www.linea.gov.br/010-ciencia/lunchtalks/>
- Remote connection via zoom
- Sponsor: Julio Camargo (camargo@linea.gov.br)

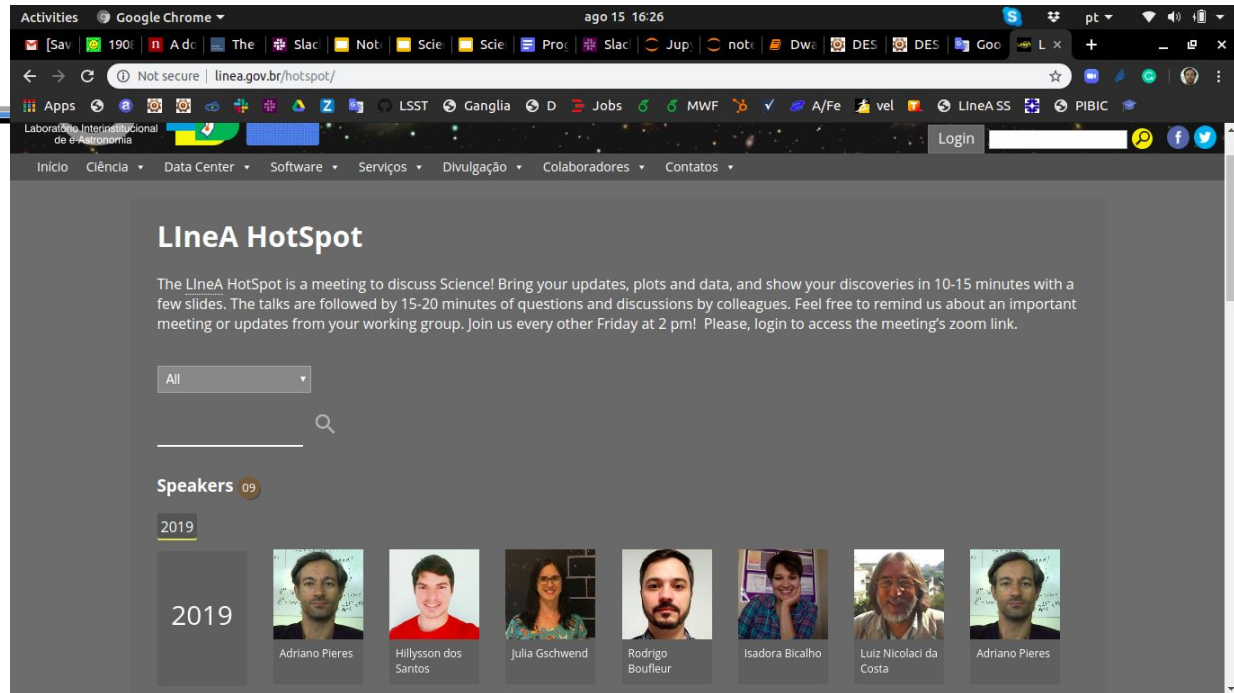


# HotSpot

- Short presentation  
+ discussion
- 15+15 min
- [Every two weeks](#)
- Friday 2pm
- Videos available on

<http://www.linea.gov.br/hotspot/>

- Remote connection via zoom
- Sponsors: Adriano Pieres ([adriano.pieres@linea.gov.br](mailto:adriano.pieres@linea.gov.br)),  
Rodrigo Boufleur ([rodrigo.boufleur@linea.gov.br](mailto:rodrigo.boufleur@linea.gov.br))



# Science update on ‘All hands’ meeting

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- 1 slide about last updates in the current week;
- Groups: Cluster of galaxies, Galaxy Archeology, Galaxy Evolution, Large scale Structure and Trans-Neptunian Objects;
- Opportunity to show your ongoing work!
- [Every Friday - 9am]

# Telecons: Working Groups

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## DES:

- Galactic Evolution WG (GE)
- SN (SuperNova)
- Cluster (of Galaxies)
- MWWG (Milky Way)
- Science Release
- DESDM (Data Management)
- TMO WG (Transient and Moving Objects - from SS to GW)
- TCP (Theory and Combined Probes)
- Covariances
- LSS (Large Scale Structure)
- DES x SPT (South Pole Telescope)
- Galaxy Shear

## DESI

- C3 (Clusters, Clustering and Combined Probes)

## LSST (BPG)

- LSST-DESC
- LSST-SMWLV
- LSST-DM
- TJP (theory and joint probes)
- Solar system science



# DES Working Groups

[Home](#) [Projects](#) [Help](#)

Dark Energy Survey

Search:  Dark Energy Survey

[Overview](#) [Activity](#) [Calendar](#) [News](#) [Wiki](#) [Repository](#)

## New to DES?

- DES Onboarding Instructions
- Getting started with DES

## Science Working Groups

- Science Committee
  - Clusters
  - Galaxy Evolution
  - Large-Scale Structure
  - Milky Way
  - Redshift-wg
  - Quasars
  - Simulation
  - Strong Lensing
  - Supernova
  - Theory
  - Weak Lensing
  - Transients and Moving Objects
- Variability Cross-Working Group Activities
  - Spectroscopy Task Force
- Survey Strategy
  - Survey Status
- DES+VHS Science Coordination Group
- STRIDES External Collaboration
- Gemini Strong Lensing and Photo-z LLP
- DES-ACT projects
- DESGW Project
- Figure Library
- Old Figure Library

## DES Committees

- DES Committees - Overview and Org Charts
- Speakers' Bureau (and its database of talks)
- Speakers' Bureau Internal Page
- Publications Board
- DES Early Career Scientists Committee
- Meetings Steering Committee

## Table of contents

- New to DES?
- Science Working Groups
- DES Committees
- Other Sub-Projects
- Useful info

## Table of Contents

### Science Working Groups

- Science Committee
- Clusters
- Galaxy Evolution
- Large-Scale Structure
- Milky Way
- Photo-z
- Quasars
- Simulation
- Strong Lensing
- Supernova
- Theory
- Weak Lensing
- Transients and Moving Objects
- Spectroscopy Task Force
- Survey Strategy
- DES+VHS Science Coordination Group
- STRIDES External Collaboration
- Gemini Strong Lensing and Photo-z LLP
- DES-ACT Projects
- Collaboration Meetings

### DES Committees

- DES Committees and Org Charts
- DES governing documents and policies
- Speakers' Bureau
- Speakers' Bureau Internal Page
- Publications Board

### Other Sub-Projects

- SISPI
- Calibrations
- DES Early Career Scientists Committee
- DESDM Users Group
- DES Data Handling
- DES Science Verification
- DES Year 1 Analysis Comments and Notes
- DES Operations
- DES Science Portal
- Meetings Steering Committee
- Membership Database
- 2012 Biennial Review of DES Members and

# SDSS, TNO Working Groups/Telecons

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- SDSS III and IV (2014-2020): many projects involved, as MaNGa, APOGEE, eBOSS;
- TNO

# Publication Policy

# Publication policy - A bit of control...

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- One scientist != Many scientists...
- Questions to be answered:
  - Who is working? Who is involved with the project?
  - Which data? Which survey?
  - What about that paper? That draft?
  - Did you submitted the paper?
  - Have you received the response of referee?
  - (...)

# DES Publication Policy

## [example]

# DES policy (from Publication Board)

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The list below provides a quick summary of the publication process and our current practices. Consult the DES Publication Policy for details. **It involves Redmine, Publication Board and DocDB.**

1. *Analysis Team* comes up with an idea
2. Ideas is discussed in the *SWG*
3. *SWG* co-coordinator creates project in pubDB
4. SC receives email about new project
5. SC co-chairs approve project
6. Team performs analysis, presents results in telecons
7. *SWG* co-coordinator set up review committee (*IRC*)
8. Team iterates with *IRC*, *SWG*, presentations, early paper draft
9. *When results are mature and a "polished" draft is available, SWG co-coordinators distribute draft to SWG, SC and instructs IRC to perform a final review. Sufficient time should be given to the SWG to comment.*
10. After a consensus, the authors upload the latest version of the paper to docDB. The draft should be of publication quality (language, grammar, publication ready plots, **all acknowledgements**, complete author list (without builders), formatted for the target journal and **include line numbers**.
11. The *SWG* co-coordinators approve the paper draft and update the state of the paper to "IRC Approved" in pubDB.

# DES policy - (from Publication Board)

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12. [In parallel] SC review and approval, paper centric telecom and CWR
13. Analysis team responds to comments (on the wiki page), adds builders to the author list, adds the requested figures to the figure library, and posts the new draft to docDB
14. Get a Fermilab Preprint Number. You can also do this while your paper is in CWR.
15. PB Final reading (within 1 week). Iterate with the PB Final Reader and update the draft in docDB as needed
16. PB Chair approves paper for submission.
17. Submit paper
18. When you receive the referee report(s) post those to the Pubboard wiki. Work with your co-authors and SWG conveners to prepare your response. You should also involve your RC in particular if you received any substantial comments from the referee(s). Post the proposed response to the wiki as well and upload a new draft of your paper to docDB. When this is done inform the Publication Board. The pubboard will review the proposed response and if necessary consults with the SC and/or the paper's review committee. ***Pubboard approval is required before you can resubmit the paper to the journal.***

[Paper published by DES \(Example\)](#)

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# LIneA policy / Publication Board

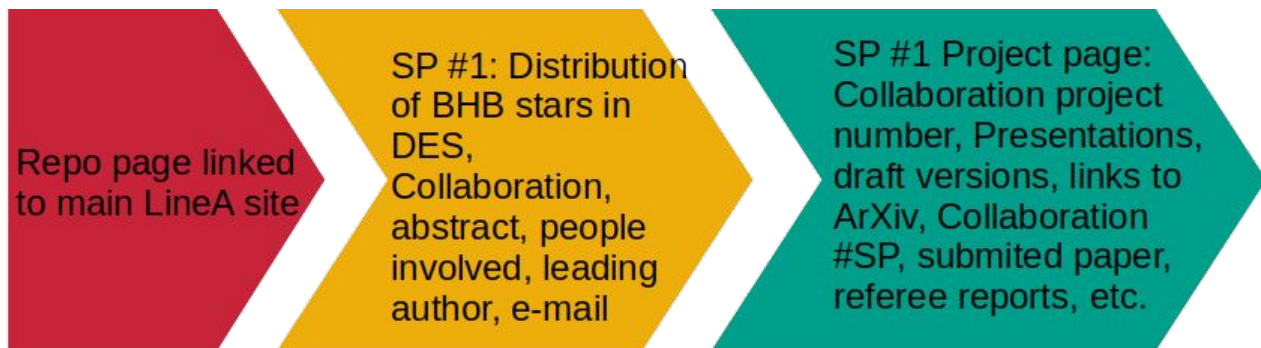
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- Only regarding first author paper;
- LIneA has not adopted a policy for publications (!)



# LineA policy / Publication Board

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Public | Collaboration

# LIneA policy / Publication Board

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LIneA SP#1: Distribution of BHB stars in DES

Abstract: The BHB stars trace the halo of the Galaxy...

...

[\[jump to project\]](#)

LIneA SP#2: Weak Lensing on SPT region

Abstract: The SPT region is sampled by...

...

[\[jump to project\]](#)

2

Link to published paper

Response to referee

Referee report

Link to ArXiv

Comments

Submitted paper

Updated draft (OverLeaf read-only link)

Presentations (Lunch talk, meetings, etc)

Collaboration project (link)

<https://mnras.uk/pdf/XXX.XXXX.pdf>

[response2referee.pdf \(DD/MM/YYYY\)](#)

[ref\\_report.pdf \(DD/MM/YYYY\)](#)

<https://arxiv.org/pdf/XXXX.XXXX.pdf>

[expand](#)

[sub\\_paper.pdf \(DD/MM/YYYY\)](#)

[draft001.pdf \(DD/MM/YYYY\)](#)

[LunchTalk.pres \(DD/MM/YYYY\)](#)

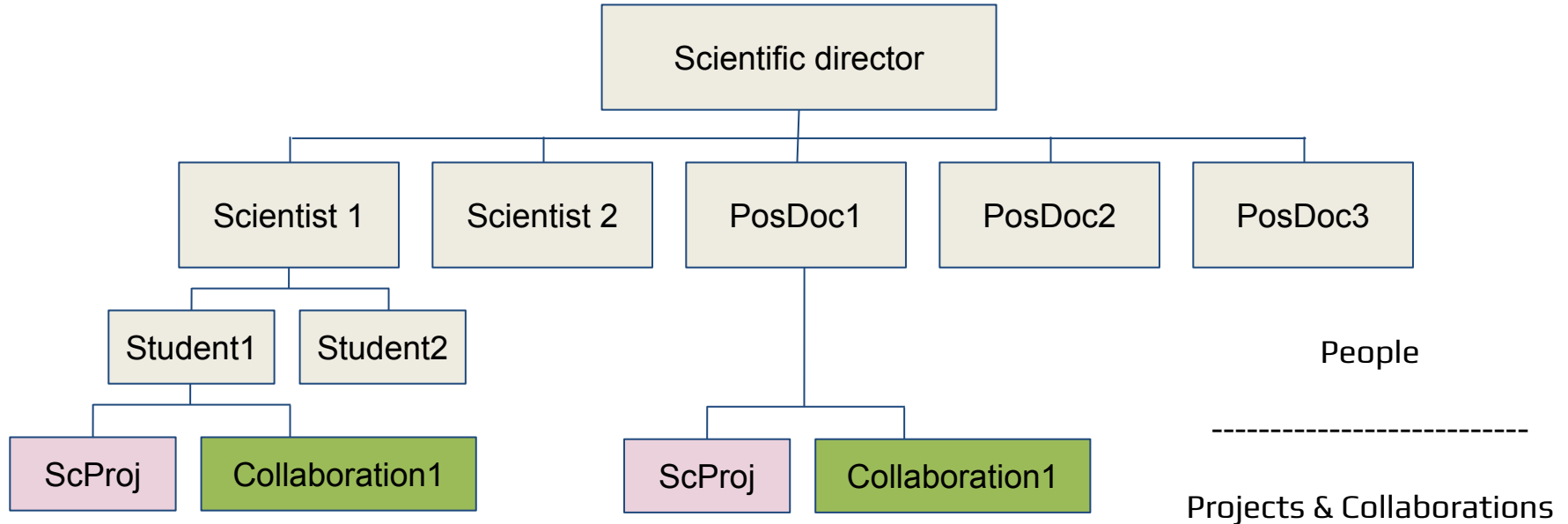
[www.blablaba.x](#)

# LIneA policy / [Scientific repo](#)

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- The LIneA scientific repository was proposed in the last LIneA's planning meeting;
- (wrt) People: Scientist (professors and pos-docs), Master and PhD candidates (students);
- Scientific Committee [previously set];
- Collaboration: international project (DES, DESI, LSST, SDSS...);
- Many projects are also registered in main collaboration, using their infra-structure;
- Scientific Project #N: LIneA project number;

# LineA repository of scientific projects



# Buildership on the collaboration (DES, LSST)

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- Working time for the collaboration (eye-balling, portal, infrastructure, etc);
- Buildership allows you to participate in papers;
- Regular DES meeting (once per semester) to evaluate time and participation on the collaboration;

# LineA members (where are the scientists?)

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- <http://www.linea.gov.br/070-colaboradores/new-afiliados/>

# More scientific activities...

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- EPO (Friday just before noon);
- Participation in external activities (SNCT, ...)
- Slack and zoom (DES, LIneA, LSST)!

# Summary

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- LIneA's main goal: SCIENCE!
- We have many ways to share and communicate your work.  
Enjoy it!
- Similar to science, scientific projects are hard to manage when dealing with many people;
- Scientific repository is a need to manage and to know which science is done with LIneA. Also to encourage people to collaborate.



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# Questões

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# Obrigado!