

# **S-PLUS Collaboration**

## **Policies & Good Practices**

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# Productivity

- At the moment about 110 full members + 39 external collaborators
- >70 active (?) projects
- 2 public data releases (DR1/DR2) + 1 internal (iDR3)
- 2 press releases (DR1 / DR2)
- ~15 submitted or published papers
- several advanced drafts or projects
- 8 MSc/PhD theses: 4 IAG/USP, 1 ULS, 1 UFRJ, 1 UT, 1 ON
- some TCC projects based on S-PLUS (undergraduate research projects)

**major work completed/published on:** *reduction* pipelines (Fabio et al.), *calibration* pipelines (Felipe et al.), *classification* pipelines (Lilianne et al.), *masks* (Maria Luisa et al.), *redshift* pipelines (Erik Vinicius, Maria Luisa et al.)

**major expansion** of the survey area ~40% (iDR3/iDR4)

**major work done on:** data access and retrieval methods (Gustavo et al.)

**➔ so we expect an acceleration of scientific results in 2021/2022 !**

# List of publications

1. **Observations of the First Electromagnetic Counterpart to a Gravitational-wave Source by the TOROS Collaboration.** Díaz, M. C., Macri, L. M., Garcia Lambdas, D., Mendes de Oliveira, C. et al. 2017: *AJ*, v848, L29 *69 citations*
2. **Multi-messenger Observations of a Binary Neutron Star Merger.** Abbot, B. P. et al 2017: *AJ*, 848, L12 *1859 citations*
3. **The Southern Photometric Local Universe Survey (S-PLUS): improved SEDs, morphologies, and redshifts with 12 optical filters**  
Mendes de Oliveira et al. 2019: *MNRAS*, 489, 241 [[ADS](#)] *33 citations*
4. **Assessing the photometric redshift precision of the S-PLUS survey: the Stripe-82 as a test-case**  
Molino et al. 2020: *MNRAS*, 499, 3884 [[ADS](#)] *7 citations*
5. **An environmental dependence of the physical and structural properties in the Hydra cluster galaxies** [[ADS](#)]  
Lima-Dias et al. 2021: *MNRAS*, 500, 1323 *3 citations*
6. **J-PLUS: Tools to identify compact planetary nebulae in the Javalambre and southern photometric local Universe surveys** [[ADS](#)]  
Gutiérrez-Soto et al. 2020: *A&A*, 633, 123 *2 citation*
7. **One Hundred SMUDGes in S-PLUS: Ultra-diffuse Galaxies Flourish in the Field** [[ADS](#)]  
Barbosa et al. 2020: *ApJS*, 247, 46 *7 citations*
8. **The S-PLUS: a star/galaxy classification based on a Machine Learning approach**  
Costa-Duarte et al. 2019: *MNRAS*, submitted [[arXiv:1909.08626](#)] *3 citations*
9. **On the discovery of stars, quasars, and galaxies in the Southern Hemisphere with S-PLUS DR1**  
Nakazono et al. 2020: *MNRAS*, submitted
10. **Searching for active low-mass stars in CMA star-forming region: multi-band photometry with T80S**  
Jane Gregorio-Hetem et al. 2020: *AJ*, submitted
11. **Photometric redshifts for the S-PLUS Survey: machine learning approach**  
Erik-Vinicius Lima et al. 2021: *Astronomy & Computing*, submitted
12. *Felipe Fernandes-Almeida et al. 2021, MNRAS, submitted*
13. *Clécio de Bom et al. 2021, MNRAS, submitted*
14. *Devin Whitten et al. 2021, ApJ, 912, 147* *3 citations*
15. *Vinicius Placco et al. 2021, ApJL, 912, 32*

# S-PLUS Collaboration

## Policies & Good Practices

Guiding principles:

- We want to carry out our mission of completing the survey successfully
- We want our communities to carry out — and publish — interesting and novel science projects (for you and for the survey)
- We want to make sure that being part of the collaboration makes everyone's lives richer, better and easier, not poorer, worse and harder

# S-PLUS Collaboration

## Policies & Good Practices

Our policies are designed to find a common ground between satisfying everyone's unique interests and approaches to doing the science they want to do, and maintaining a healthy level of collaboration and communication between the members

What is this “common ground” ? Not sure, but somewhere **far removed** from either:

- telling people what they can and cannot do
- letting collaboration descend into complete chaos and anarchy

# S-PLUS Collaboration

## Policies & Good Practices

### Collaboration Membership:

- full membership is open to: anyone in Brazil, anyone from the foreign member institutions, anyone from the J-PLUS/J-PAS community
  - full membership by other individuals can always be requested and will receive careful consideration
  - any member can invite external collaborators
    - external collaborators need to be declared for each project
    - external collaborators can lead projects and papers
    - external collaborators get full access to mailing list, data, etc.
- (we have never denied an external collaborator request)

# S-PLUS Collaboration

## Policies & Good Practices

### **Project and publication policy in a nutshell:**

- members and external collaborators are free to do whatever project they would like to do
- members and external collaborators are free to do lead, write, or co-write any paper they would like to write

### **Provided that:**

- projects are declared and announced timely
- external collaborators are declared timely
- projects are inclusive to other members wishing to contribute

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can be improved!



# S-PLUS Collaboration

## Policies & Good Practices

### **exception to the rule: Thesis protection**

- we have a provision for “protecting” MSc and PhD thesis projects against internal competition, provided that:
  - (a) the thesis topic is sufficiently narrowly and well-defined, and
  - (b) the thesis project follows a reasonable and verifiable timeline

(although we have had ~8 successful theses defended, none of these requested the thesis protection)

# S-PLUS Collaboration

## Policies & Good Practices

### Publication rules in a nutshell

- invite the 4 S-PLUS builders

- add the standard S-PLUS acknowledgments

- announce your project + collaborators + welcome others to join
- declare any external collaborators
- do your project
- try to provide updates now and then about its status
- allow an opportunity for others to contribute
- first official draft is circulated through the mailing list, giving a minimum of two weeks for comments
- lead author considers all comments received and uses good faith to award them with co-authorship or an acknowledgment
- modified draft is circulated at least once more for a period of a week
- paper is submitted and posted to the arXiv (lead author's discretion)

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**Important:** if you are combining S-PLUS data with non-public data from other surveys or collaborations, you may have to **follow the rules of each collaboration separately**

# S-PLUS Collaboration

## Policies & Good Practices

S-PLUS is not perfect; conflicts or disagreements are bound to happen (authorship, membership or project disputes, complaints, criticism, etc.)

**we are a collaboration that welcomes your feedback** (e.g., suggestions for improving projects, organization or communication)

our **S-PLUS Ombudscommittee** is tasked with **(1) resolution of conflicts** that are not solvable otherwise or that may be too personal/confidential to raise elsewhere, and **(2) a periodic review of policies** and the "health" of S-PLUS

### Current OC members:

Ana Chies Santos (UFRGS)

Denise Gonçalves (UFRJ)

Raimundo Lopes (UFS)



# S-PLUS Collaboration

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**Conflict resolution follows a bottom-up approach:**

- we assume that the best way to resolve most problems is directly amongst yourselves, however:

if you see or fear things are escalating, you have the obligation to find help elsewhere. Possibilities:

- contact the project lead
- contact the Project Scientist
- contact the Ombudscommittee (they will treat your case confidentially and respectfully)
- contact the PI
- contact anyone else that you trust and have them follow one of these routes

**Mailing list: [s-plus@googlegroups.com](mailto:s-plus@googlegroups.com)**

- if you (think you) are not on it, and should be, contact me or Claudia

**S-PLUS website: <http://splus.iag.usp.br/>**

- [Membership Request](#)
- [External Collaborator Request](#)
- [New Project Announcement](#)
- [Update Existing Project](#)
- [Paper Announcement](#)
- [VAC Announcement](#)

Thank you.

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- Project Enhancement
- Project Announcement

but these features are being migrated to [splus.cloud](http://splus.cloud) (see Gustavo's talk)

Thank you.