Roderik Overzier

- **ON/MCTI**
- S-PLUS Project Scientist

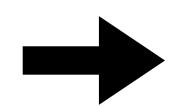
Productivity

- 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)

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.)



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

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



List of publications

- 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 7859 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

1. Observations of the First Electromagnetic Counterpart to a Gravitational-wave Source by the TOROS Collaboration. Díaz, M. C., Macri, L.



Guiding principles:

- We want to carry out our mission of completing the survey successfully
- and novel science projects (for you and for the survey)

S-PLUS Collaboration Policies & Good Practices

• We want our communities to carry out — and publish — interesting

• We want to make sure that being part of the collaboration makes everyone's lives richer, better and easier, not poorer, worse and harder

want to do, and maintaining a healthy level of collaboration and communication between the members

from either:

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

- Our policies are designed to find a common ground between satisfying everyone's unique interests and approaches to doing the science they
- What is this "common ground"? Not sure, but somewhere far removed

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)



Project and publication policy in a nutshell:

- they would like to do
- 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

S-PLUS Collaboration Policies & Good Practices

• members and external collaborators are free to do whatever project

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can be improved!



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

requested the thesis protection)

(although we have had ~8 successful theses defended, none of these

Publication rules in a nutshell

- 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)

• invite the 4 S-PLUS builders

• add the standard S-PLUS acknowledgments

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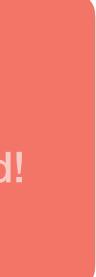
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Important: if you are combining S-PLUS data with non-public data from other surveys or collaborations, you may have to follow the rules of each collaboration separately







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

improving projects, organization or communication)

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 Policies & Good Practices

- we are a collaboration that welcomes your feedback (e.g., suggestions for
- our S-PLUS Ombudscommittee is tasked with (1) resolution of conflicts that



Conflict resolution follows a bottom-up approach:

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

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

if you see or fear things are escalating, you have the obligation to find

Mailing list: <u>s-plus@googlegroups.com</u>

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

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

- Membership Request
- External Collaborator Request
- New Project Announcement
- Update Existing Project
- Paper Announcement
- VAC Announcement

Thank you.

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Thank you.

New Project Announces to splus.cloud (see Gustavo's talk)
Update Existi migrated to splus.cloud (see Gustavo's talk)
Deare being natement
but these features are being not compared to splus.cloud (see Gustavo's talk)