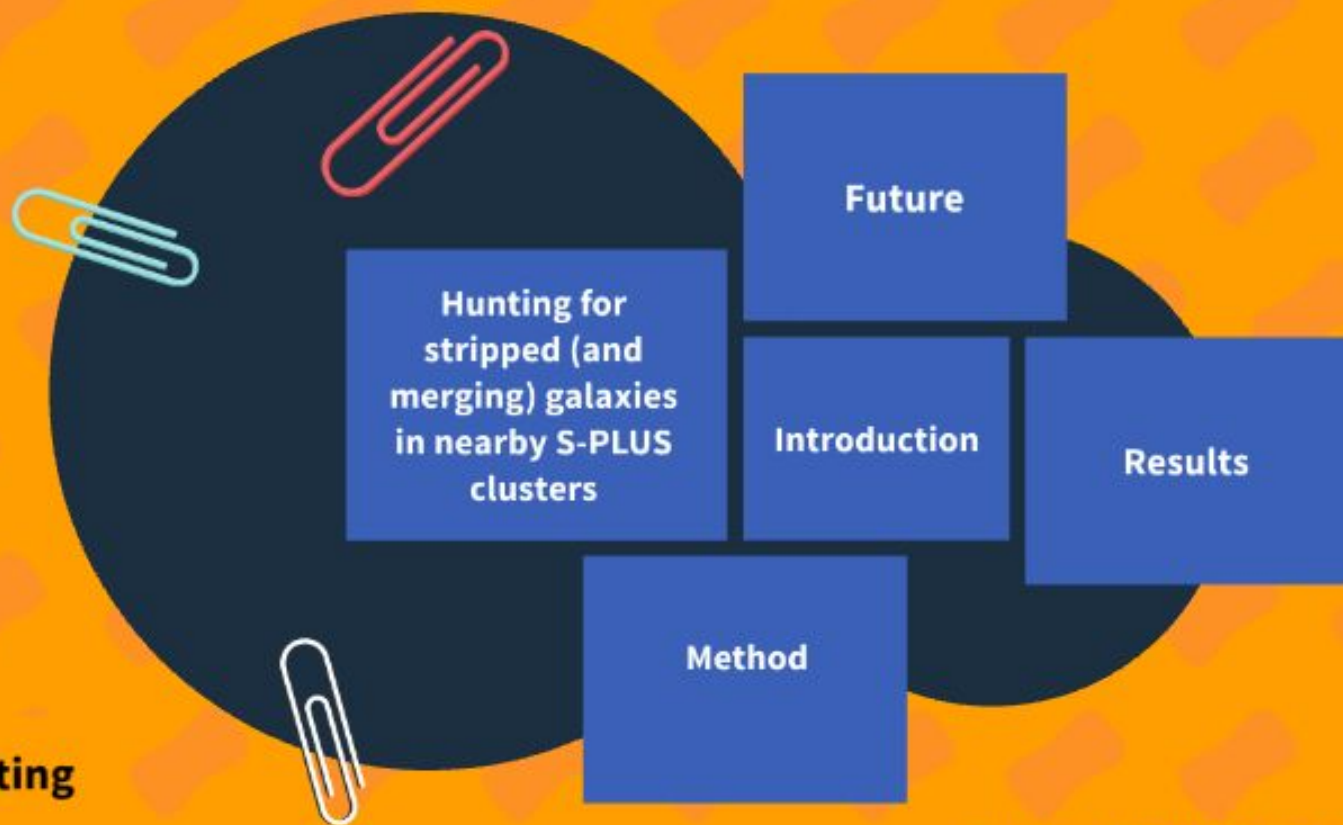


Hellen Monteiro  
Pereira

Universidade Federal  
do Rio Grande do Sul

Thanks!

**15th S-PLUS Meeting**



This is part of the project SPLUS #40: The search for transition galaxies in groups/ clusters → the Jellyfish Galaxies in the nearby Universe

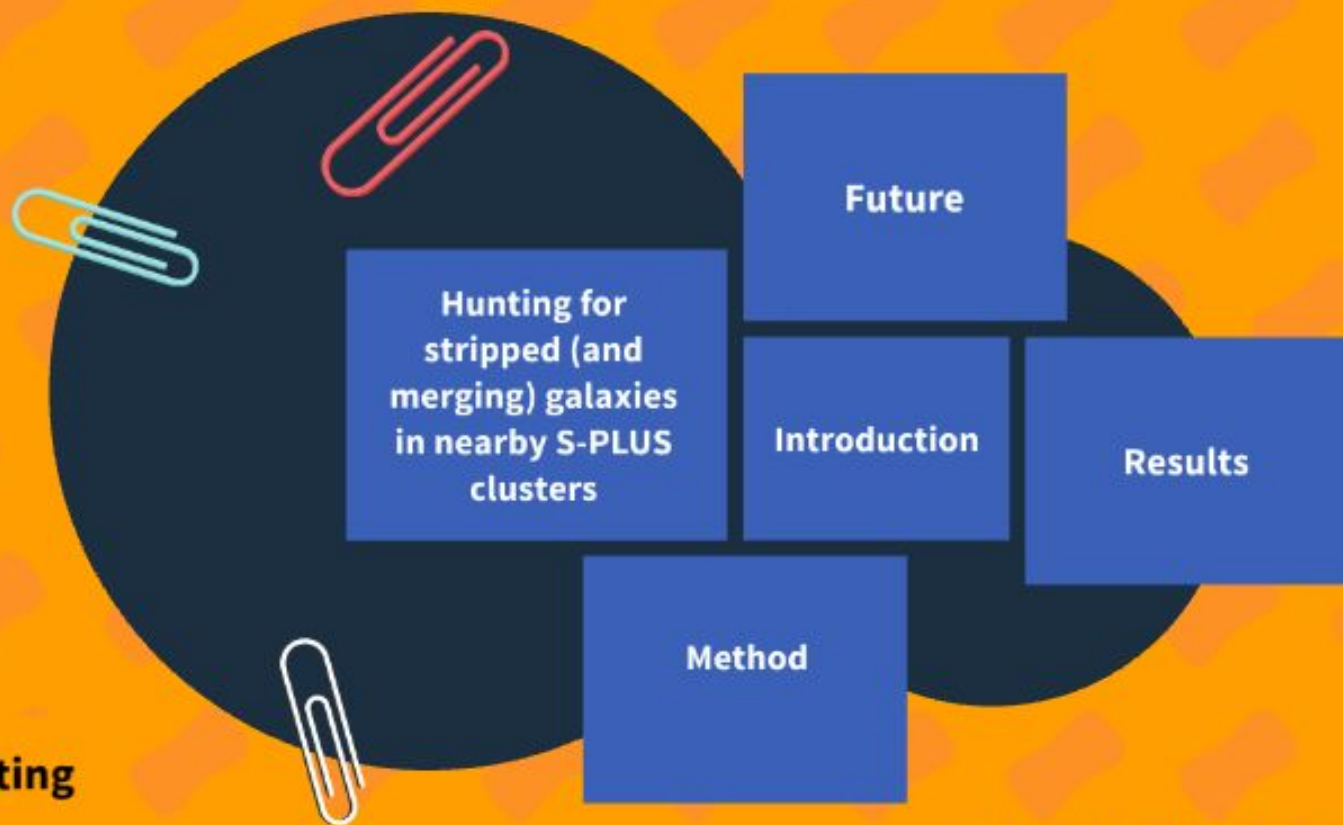
**Hunting for  
stripped (and  
merging) galaxies  
in nearby S-PLUS  
clusters**

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## Introduction



- Ram pressure stripping

- Jellyfish galaxies

- Irregular mass distribution
- Tails of gas
- SF debris

- Nearby cluster with stripped galaxies

$$P_r \approx \rho_e v^2$$

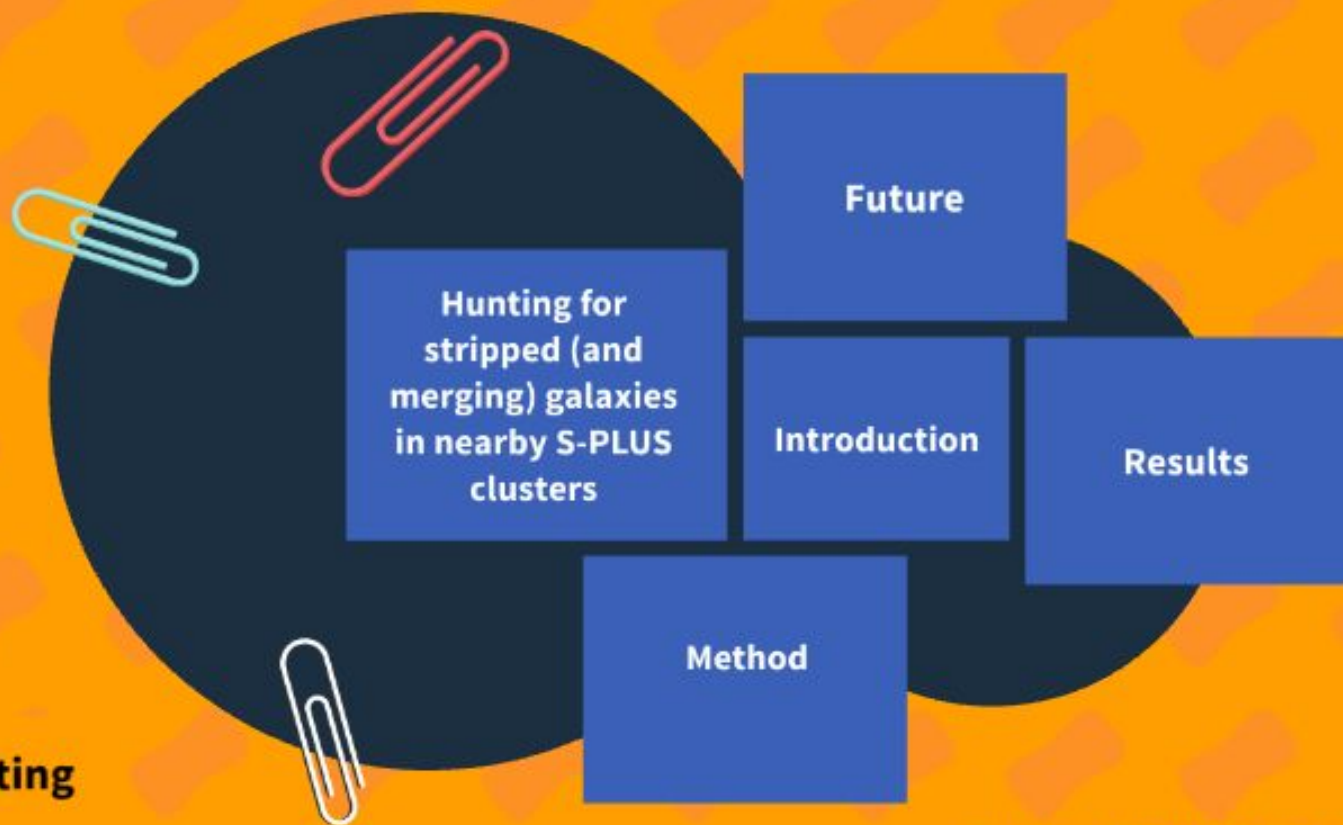
Gunn & Gott (1972)

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## Method

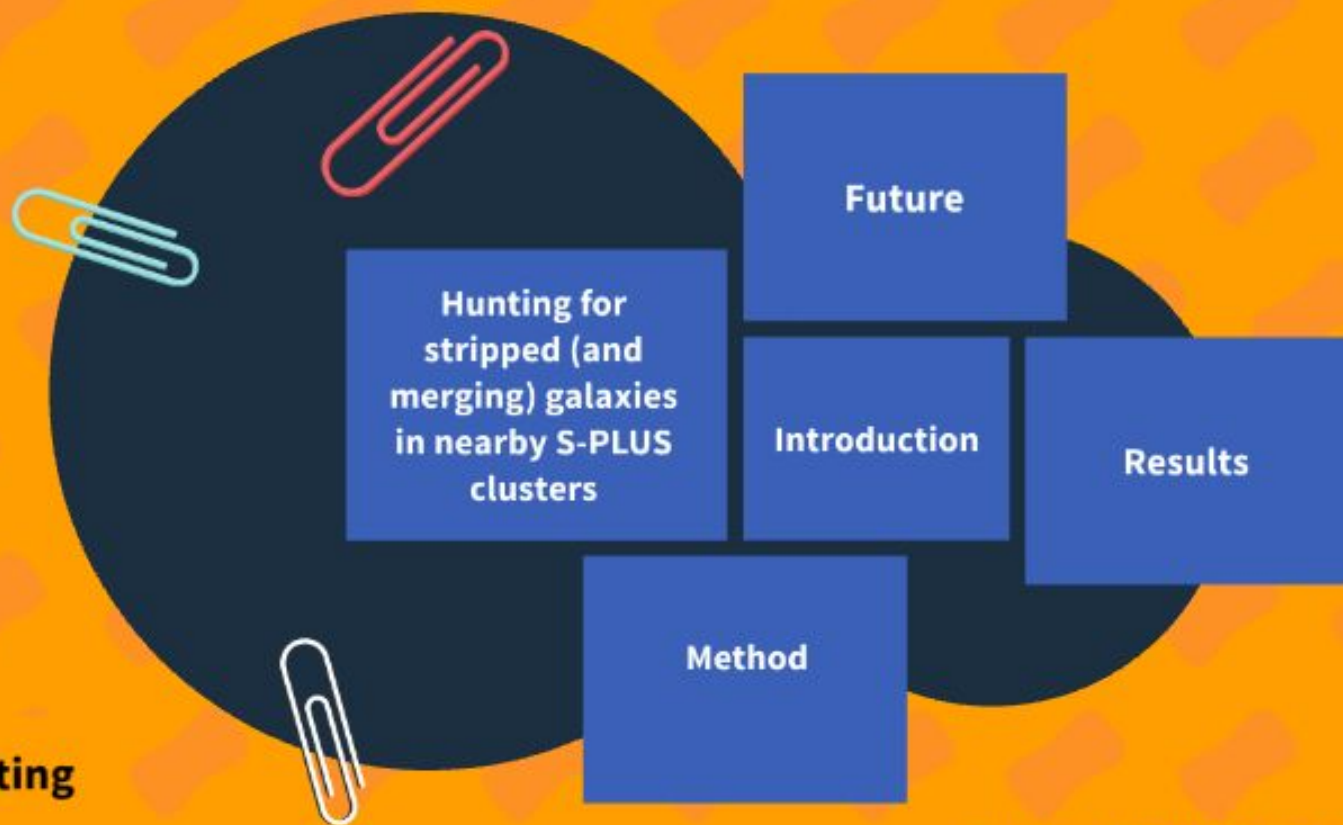
- Match galaxies cluster with  $z < 0.015$  and regions on IDR3. (Besides Hydra, Fornax and Antilla clusters)
- Identify galaxies with emission in H $\alpha$  by subtraction of images.
- Get stamps of each galaxy, make colored images with trilogy
- Classify these galaxies using the ZooUniverse
- Do science

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## RESULTS

6 fields of Hydra  
cluster  
4 fields to Antila  
cluster  
43 fields of Fornax  
cluster  
20 of these are in the  
outskirts

73 Halpa emitters were in the Hydra cluster, 5 of  
these not in a catalogue

40 Halpa emitters in the Antila cluster 2 of these  
not in a catalogue

43 Halpa emitters found in Fornax, 1 not in a  
catalogue



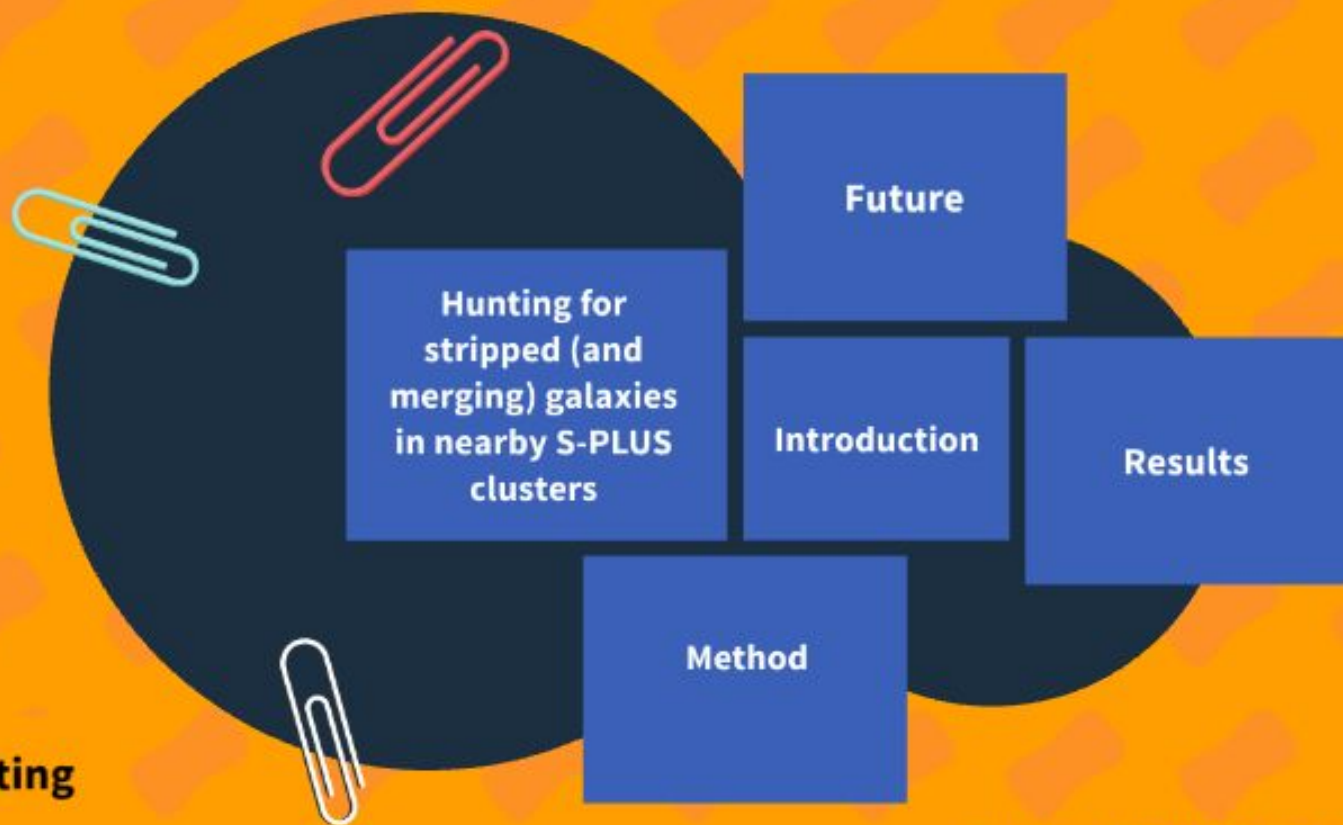


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**Next step**



A quest for Jellyfish galaxies

ABOUT CLASSIFY TALK

A quest for galaxies H $\alpha$  emitters in near clusters: Hydra, Antila and Fornax cluster

Learn more

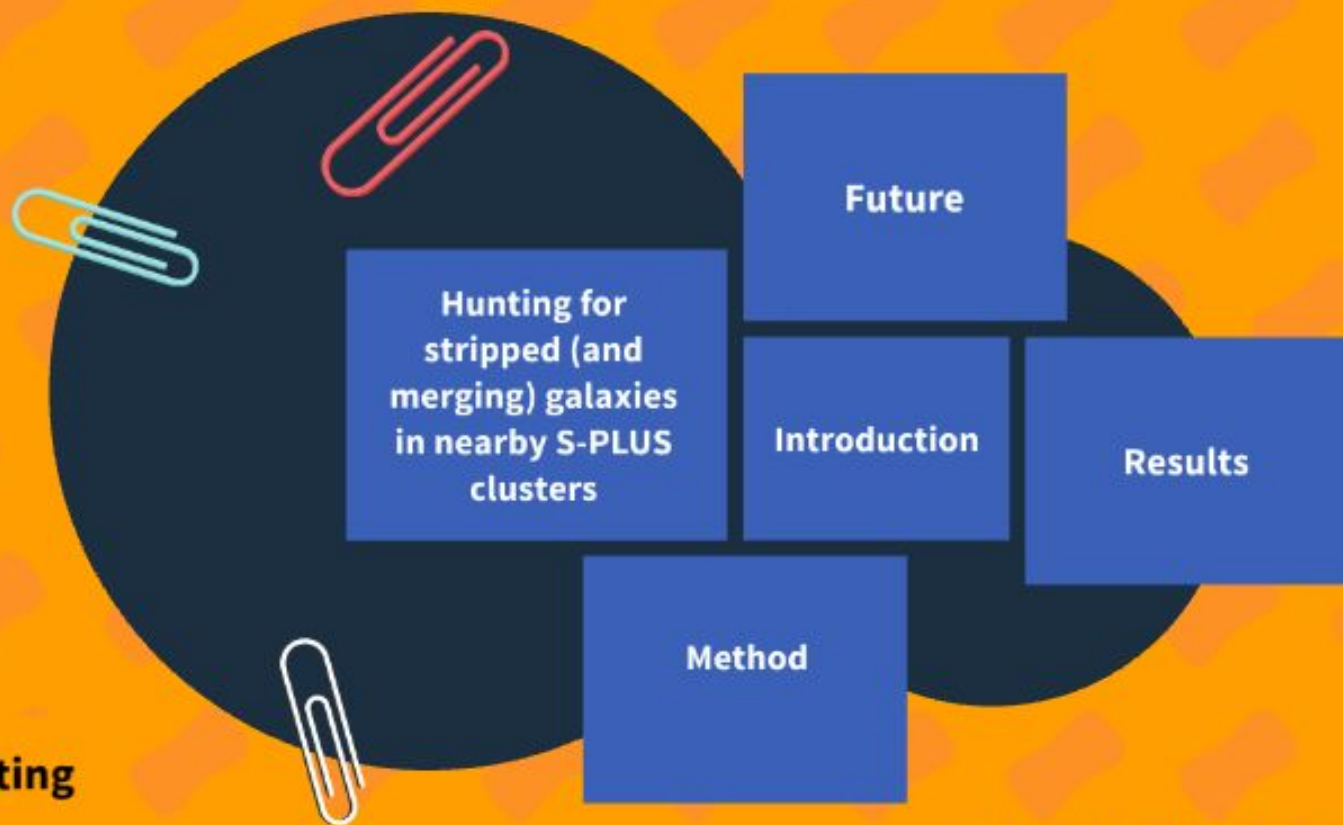
Get started

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