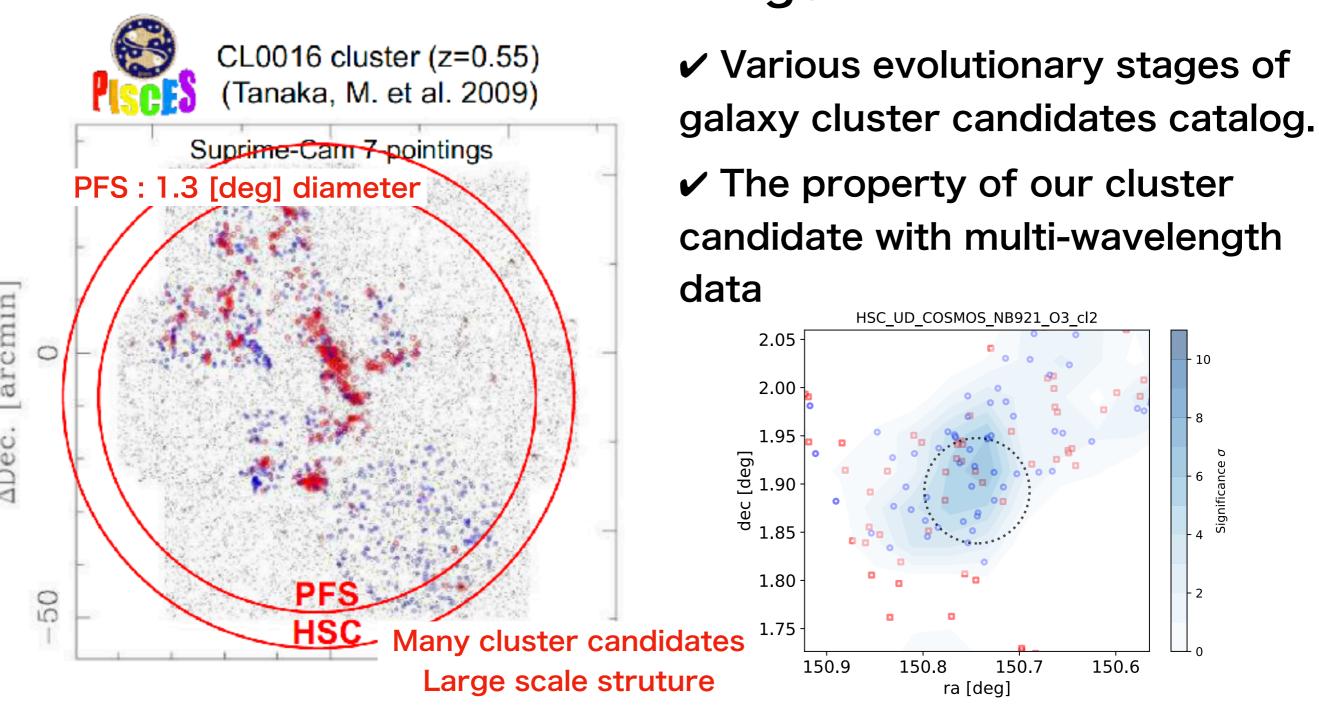


How much should we advance our research ??

PSF @ 2020 Large field view of spectroscopy ~ 2400 targets



The current status of my research

Subaru telescope

Imaging: The evidence of younger cluster candidates

DR2 was released → Update our catalog

Near Infrared data → More distant cluster

Spectroscopy: SFR, Metallicity, identification...

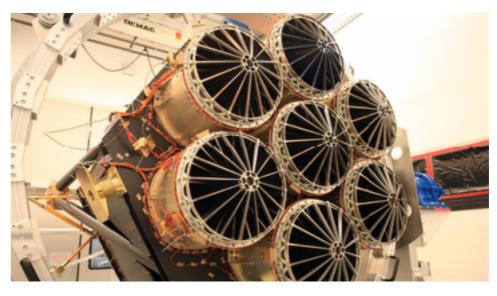
VLT eROSITA

Follow-up observation @ z~1.47

All sky survey X-ray instrument



VLT



eROSITA



PFS!! Spectroscopic survey

The oversea program in past and future

- 1) Tracing cosmic evolution with clusters of galaxies
- ✓ Sexten in Italy July 8-21, 2019
- ✓ One of the biggest conferences about galaxy cluster
- ✓ The presentation topic is different from Japan



- 2 Subaru Telescope 20th Anniversary
- Optical & Infrared Astronomy for the Next Decade-
- ✓ Cona in Hawaii November 17-22, 2019
- All Subaru users in the world
- ✓ Business section, science section and discussion for future.

