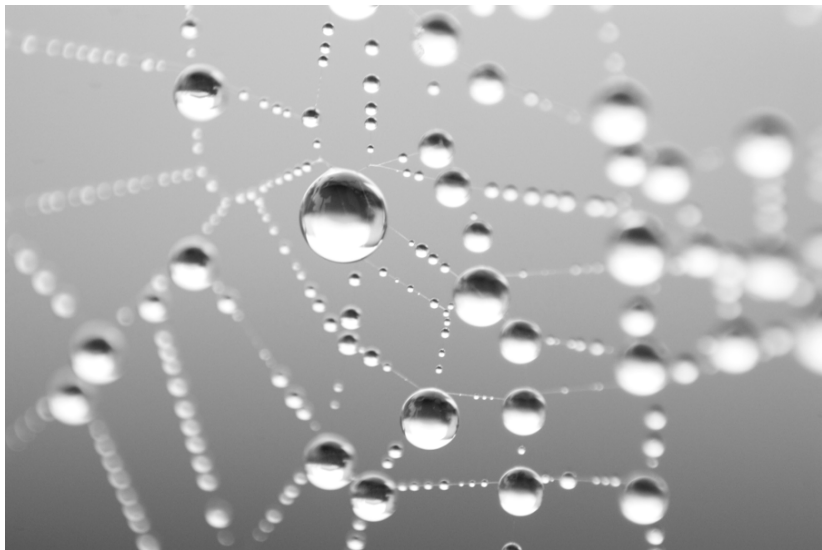


## Open Science Droplets 01



Hi!

The other day my friend Ptolemy told me about a "nebulous mass in the breast of Cancer"[1]. I observed it with my new telescope and I could resolve about 40 individual stars! This is amazing, and it could be a good topic for a paper. If you have time, please see if you can find anything interesting in this region.

R.A. 130.025 deg

Dec. 19.9833 deg

Best regards,

Galileo

[1] Claudius Ptolemy, *Almagest*, AD 100-170 (see [V/61](#))

# Motivation

We understand that people will learn a tool only when they need it or they see the value on using it. Therefore, the tutorials follow the narrative of presenting tools after a scientific necessity appears, such as the necessity to share your work with colleagues or when you need to manage the dependencies of some software you need.

# Plan

To progressively incorporate new approaches:

- ▶ Jupyter: the XXI century lab book
- ▶ Collaborative Jupyter notebooks through git
- ▶ Software management with conda
- ▶ Python visualization and ipython widgets
- ▶ Share your results with the world with Binder
- ▶ Reproducible workflows to rule them all: Snakemake
- ▶ Containerization for the posterity
- ▶ Your work for posterity. Zenodo

## Details

Resources and documentation:

<https://droplets-spsrc.readthedocs.io/en/latest/>

Github repo:

<https://github.com/spsrc/droplets>