

# SIC4DVar: next steps

Hind Oubanas, Igor Gejadze, Felix Billaud, Pierre-Olivier Malaterre

# NEXT STEPS SIC4DVAR

- Pepsi 1 tests (< National SWOT Days 11/2018).
- Pepsi 2 tests (< National SWOT Days 11/2018).
  - Improvements (prior, drops, bad reaches, tide, etc.).
  - Assimilation of nodes observations.
  - Analysis and synthesis of the obtained results.
  - Assimilation of data at SWOT space and time frequencies

# NEXT STEPS SIC4DVAR

- Pepsi 1 tests (< National SWOT Days 11/2018).
- Pepsi 2 tests (< National SWOT Days 11/2018).
  - Improvements (prior, drops, bad reaches, tide, etc.).
  - Assimilation of nodes observations.
  - Analysis and synthesis of the obtained results.
  - Assimilation of data at SWOT space and time frequencies
- Ongoing projects on the Congo, Ubangi, Kasai, Sangha (< March 2019).
  - Improvement of memory and CPU aspects (parallelization).
  - Multi mission (Envisat, Jason, Sentinel, etc.)

# NEXT STEPS SIC4DVAR

- Pepsi 1 tests (< National SWOT Days 11/2018).
- Pepsi 2 tests (< National SWOT Days 11/2018).
  - Improvements (prior, drops, bad reaches, tide, etc.).
  - Assimilation of nodes observations.
  - Analysis and synthesis of the obtained results.
  - Assimilation of data at SWOT space and time frequencies
- Ongoing projects on the Congo, Ubangi, Kasai, Sangha (< March 2019).
  - Improvement of memory and CPU aspects (parallelization).
  - Multi mission (Envisat, Jason, Sentinel, etc.)
- Publications & Conferences (AGU 2018).
- Decide the future of SIC4DVar (global ? local ?)

A microscopic image showing numerous nematodes (roundworms) in a dark, greenish-brown environment. The worms are thin, thread-like, and highly convoluted, with some showing a distinct head region. They are scattered across the frame, with a higher concentration in the lower-left and middle-right areas.

**MERCI !**

**THANK YOU !**

Many thanks to TOSCA CNES, CLS, Irstea, AFD funds