



CESBIO (UT3, CNRS, IRD, CNES, INRAE)

www.cesbio.cnrs.fr

Pascal Fanise, Olivier Merlin, Lionel Jarlan, Mehrez Zribi, Michel Le Page,
Valérie Le Dantec, Vincent Simonneaux, Ghani Chehbouni, Mohamed
Kasbani, Adnane Chakir, Gilles Boulet

ALTOS PostDoc Zied Sassi (01/2021-),

VI: Pierre Carlevaris, Florence Gaborit; PhD Samuel Mwangi,

PhD w/INAT: Nesrine Farhani, Emna Ayari,

PhD w/UCAM: Ahmed Moucha, Nadia Ouaadi, Houssein Bourras, +

PhD w/UCAM+IRTA: Pierre Laluet

Stakeholders: those of Merguellil (esp. IO) and Tensift (esp. ORMVAH+ABHT)

Main task involvement overview

- **Task 1.1:** DART+SPARSE4, TIR, SAFRAN (MA)+ERA5-Wgen (TU)
 - Need help for crown 3D characterization
- **Task 1.2:** New method for LU **2 trainees (TU+MA)**
- **Task 2.1:** ET Taous (TU) + MOCTAR (MA) + Vergu (SP) flux towers over heterogeneous crops, S1 soil moisture maps
- **Task 2.2:** ET maps: SPARSE + EVASPA vs XLAS (TU), SEN_ET (IT)
- **Task 3.1:** **postdoc Zied**, test MAESPA+ISBA, model dvlpt to address heterogeneity issue (TU, MA for now, then SP et IT)
- **Task 3.2:** ERA5+GR4J+Cemaneige (MA)
- **Task 4.1, 4.2, 4.3:** analysis agricultural drought (TU, MA)

in green: based on field activities with delays
(one year for some sites)

in red: ALTOS sponsored HR

Link with other projects + deliverables

- CHAAMS (ERANETMED 3, 2018-2021, FR*2, MA, TU, LI)
- ACCWA (H2020/RISE, 2019-2023, SP, FR, TU, MA +)
- FLUXMED (JPI WATER, 2020-2022, IT, FR, TU +)
- IDEWA (PRIMA, 2020-2023, FR, MA +)
- Hi-LIASE (ANR, 2021-, FR, SP +)
- CNES funded: TRISHNA (FR, TU, MA +), MOCTAR (FR, MA), ...
- ESA funded: IRRIGATION+ (MA, SP +), SEN4FAO (SP, TU test site)
- ...

- D2.2.1 : dataset @ Month 15 to be included into WP5
- D2.2.2 : 2 submitted publications about data analysis @ Month 21.