

# Project progresses

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## ALTOS KOM: context

- ALTOS start : 02/2020
- Granting issues and related agreements
  - Mismatch between grant calendars across the 6 countries → mismatch with consortium agreement
  - Grant cuts for some partners, between 15% and 25%
  - Delays in grant availability
  - Strong difficulties for grant spending in Tunisia (administration)
- Lebanese situation → strong difficulties for our partners
- Partner availability and substitution in task leadership

# ALTOS KOM: context

- COVID Crisis
  - Almost all stakeholder meetings postponed → delays in co-building and valorisation activities
  - Mobility cancellation
  - Delays in experiment & data collection → delays in deliverables
  - Delays in hiring of contract staff
  - **Delays in all animation events (one year for KOM)**
- Budget under-spending (0% - 20% for 2020)

## Project progress

**Objectives:** current status of the project according to several different indicators

Deliverables

Milestones

Budget

Publications

Supervision

Trainings

# Project progress

[deliverables  
& milestones]

List of deliverables and milestones across WP1 to WP6					
Month	Item	Topic	WP	Lead	Remarks
2	D5.1.2	Modelling workshops (1/3)	5	CNRS-L	R / CO
2 (15)	MS6.1	Kick-off meeting	6	MB	KOM minutes
3 (3)	MS6.2	Monitoring board meetings (1/7)	6	MB	Meeting minutes
3 (10)	D6.2.1	Communication plan	6	LISAH	R / CO
4 (6)	D6.2.2	Project web site	6	LISAH	DEC / PU
4 (14)	MS5.1	Mobility plan	5	LISAH	Validated by the MB
6 (9)	MS6.2	Monitoring board meetings (2/7)	6	MB	Meeting minutes
6 (16)	D5.2.1	Knowledge management strategy including a data management plan to be updated (1/3)	5	INRGREF	R / CO
6	D5.1.1	Metadata and metamodels (1/3)	5	CNRS-L	DEC / PU
12 (18)	MS6.2	Monitoring board meetings (3/7)	6	MB	Meeting minutes
15 (20)	D1.1.1	Dataset from Task 1.1	1	IRTA	OTHER / CO
15 (26)	D1.2.1	Dataset from Task 1.2	1	<del>LAP</del> LISAH	OTHER / CO
15	D2.1.1	Dataset from Task 2.1	2	CERTE	OTHER / CO
15 (24)	D2.2.1	Dataset from Task 2.2	2	CESBIO	OTHER / CO
15	D3.1.1	Modeling progresses	3	UNICA	R / CO
18	D5.1.1	Metadata and metamodels (2/3)	5	CNRS-L	DEC / PU
18	D5.1.2	Modelling workshops (2/3)	5	CNRS-L	R / CO
18	D5.2.1	Knowledge management strategy including a data management plan to be updated (2/3)	5	INRGREF	R / CO
18	D6.1.1	Mid-term report	6	LISAH	R / CO
18	MS6.2	Monitoring board meetings (4/7)	6	MB	Meeting minutes
18	MS1	Database update	1	MB	Data available and validated by the MB.
18	MS2	Database update	2	MB	Data available and validated by the MB.
18	MS5.3	Materials for training sessions (1/2)	5	MB	Material repository available for trainers

# Project progress

[deliverables  
& milestones]

21	D1.1.2	Submitted publications	1	IRTA	R / PU
21	D1.2.2	Submitted publications	1	<del>IRTA</del> LISAH	R / PU
21	D2.1.2	Submitted publications	2	CERTE	R / PU
21	D2.2.2	Submitted publications	2	CESBIO	R / PU
22	MS4.1	4 participative seminars on scenario design	4	MB	Seminar reports
24	D4.1.1	Designed scenarios	4	UCAM	DEM / CO
24	MS6.2	Monitoring board meetings (5/7)	6	MB	Meeting minutes
24	MS3	Improved modelling schemes	3	MB	Models assessed and validated
24	MS5.2	Data for resource managers	5	MB	Data repository available for managers
27	D3.1.2	Submitted publications	3	UNICA	R / PU

# Project progress

[deliverables  
& milestones]

30	MS6.2	Monitoring board meetings (6/7)	6	MB	Meeting minutes
30	MS5.3	Materials for training sessions (2/2)	5	MB	Material repository available for trainers
31	MS4.2	4 participative seminars on scenario ranking	4	MB	Seminar reports
33	D5.1.1	Metadata and metamodels (3/3)	5	CNRS-L	DEC / PU
33	D3.2.1	Integrated modelling improvement	3	INAT	R / CO
33	D4.2.1	Scenario ranking	4	INRGREF	R / PU
33 (43)	D4.3.1	Agrosystem comparison	4	LISAH	R / PU
33	D5.2.2	Technical reports for managers	5	INRGREF	R / PU
35	D5.2.3	Policy brief on adaptabilities	5	INRGREF	R / PU
35	MS4.3	Database update	4	MB	Reports
36	D5.1.2	Modelling workshops (2/3)	5	CNRS-L	R / CO
36	D5.2.1	Knowledge management strategy including a data management plan to be updated (3/3)	5	INRGREF	R / CO
36	D3.2.2	Submitted publications	3	INAT	R / PU
36	D4.2.2	Submitted publications	4	INRGREF	R / PU
36 (48)	D6.1.2	Final report	6	LISAH	R / CO
36	MS6.2	Monitoring board meetings (7/7)	6	MB	Meeting minutes
36	MS6.3	Final conference	6	MB	Conference reports

## Project progress

### Deliverable status / revisit

- 3 deliverables done (D621, D622, D312): management & publications
- 5 deliverables ongoing (D521, D611, D122, D212, D524): KMS-DMP, reporting, publications  
6-12 month delay
- 4 deliverables late (D111, D121, D211, D221): data collection
- 1 deliverables late (D311): progresses in modelling
- 2 deliverables in difficulty (D511 & D512) with no leader : sharing data and method [2 others deliverables - D221 & D222- are secured with new TK 21 leadership]
- 13 forthcoming deliverables



## Project progress

### Milestone status / revisit

- 2 milestones checked (MS5.1, MS6.1): **governance and mobility**
- 1 milestone ongoing on governance (MS6.2): **governance**
- 4 milestones to be late (MS1, MS2, MS5.2, MS5.3): **data collection**
- 2 milestones in difficulty (MS4.1, MS4.2): **stakeholder meetings**
- 3 milestones forthcoming (MS3, MS4.3, MS6.3)

## Project progress

### Budget - grant consumption [12/2020]

- Spain : 20%
- Italy: 04%
- Tunisia : 10%
- France : 00%
- Morocco: 00%
- Lebanon: -----

## Project progress

- Deliverable revisit
- Milestone revisit
- Budget - grant consumption
- No stakeholder meetings
- Lack of trainee for some activities

### → Analysis :

- Potential delay of 12 months

## Project progress

- Deliverable providing @ Month 18 ? Minimum level ?
- Deliverable providing to be postponed ?
- Specific activities and related deliverables to be reduced ?
  - --> concertation with PRIMA and funding bodies to be conducted.
- Project extension [possibility from funding bodies] ?
- Mid-term report —> diagnosis about needs, extension. Setup before the end of July.

# Project progress

!!! Forthcoming publication harvest !!!

## [Publications]

4 articles






WP2: 1

WP3: 2

WP5: 1

2 proceedings

WP1: 2

Publications									
WP: WP1									
WP	Type	Item	Year	Title	Reference	Public file	Private file		
WP1	Proceeding	D1.2.2	2020	Correlation estimation between cereals height and INSAR coherence: a case study of the Lebna watershed in Cap-Bon, Tunisia	M. Barbouchi, I. Alaya, R. Abdelfattah, I. Mekki, R. Zitouna, 2020. Correlation Estimation Between Cereals Height And Insar Coherence: A Case Study Of The Lebna Watershed In Cap-Bon, Tunisia. In 2020 Mediterranean and Middle-East Geoscience and Remote Sensing Symposium (M2GARSS), pp. 347-350, IEEE. URL				correlationEstimation.pdf
WP1	Proceeding	D1.2.2	2020	Evaluation of ratio-based vegetation indices for annual crops' biomass estimation. Lebna watershed, Cap bon, Tunisia	I. Alaya, R. Zitouna-Chebbi, I. Mekki, F. Jacob, 2020. Evaluation of Ratio-Based Vegetation Indices For Annual Crops' Biomass Estimation. Lebna Watershed, Capbon, Tunisia. In 2020 Mediterranean and Middle-East Geoscience and Remote Sensing Symposium (M2GARSS); pp. 326-329, IEEE. URL				evaluationRatioIndices.pdf
WP: WP2									
WP	Type	Item	Year	Title	Reference	Public file	Private file		
WP2	Article	D2.1.2	2021	Remote Sensing Energy Balance Model for the Assessment of Crop Evapotranspiration and Water Status in an Almond Rootstock Collection	Bellvert Rios, J., Nieto, H., Pelechá, A., Jofre, C., Zazurca, L., & Miarnau, X. (2021). Remote sensing energy balance model for the assessment of crop evapotranspiration and water status in an almond rootstock collection. <i>Frontiers in Plant Science</i> , 12, 288. URL				
WP: WP3									
WP	Type	Item	Year	Title	Reference	Public file	Private file		
WP3	Article	D3.1.2	2020	Evapotranspiration partition using the multiple energy balance version of the ISBA-A-gs land surface model over two irrigated crops in a semi-arid Mediterranean region (Marrakech, Morocco)	G. Aouade, L. Jarlan, J. Ezzahar, S. Er-Raki, A. Napoly, A. Benkaddour, S. Khabba, G. Boulet, S. Garrigues, A. Chehbouni, A. Boone, 2020. Evapotranspiration partition using the multiple energy balance version of the ISBA-A-gs land surface model over two irrigated crops in a semi-arid Mediterranean region (Marrakech, Morocco), <i>Hydrology and Earth System Science</i> , 24, 3789–3814. URL				hess-24-3789-2020.pdf
WP3	Article	D3.1.2	2020	A simple light-use-efficiency model to estimate wheat yield in the semi-arid areas	Khabba S., Er-Raki S., Toumi J., Ezzahar J., Ait Hssaine B., Le Page M., Chehbouni A., 2020. A simple light-use-efficiency model to estimate wheat yield in the semi-arid areas. <i>Agronomy</i> , 10(10), 1524. URL				agronomy-10-01524.pdf
WP: WP5									
WP	Type	Item	Year	Title	Reference	Public file	Private file		
WP5	Article	D5.2.4	2020	Remote sensing for agricultural applications: A meta-review	M. Weiss, F. Jacob, G. Duveiller, 2020. Remote sensing for agricultural applications: A meta-review. <i>Remote Sensing of Environment</i> , 236, 111402. URL				RI2019-4-Weiss-RSE.pdf

# Project progress

!!!! Forthcoming supervision harvest !!!!

[Supervision]

10 PhD

(missing  
Masters)

WP1: 1

WP2: 4

WP3: 3

WP4: 2

Supervisions			
WP: WP1			
Supervision type	WP	Student name	Topic
PhD	WP1	SOUISSI Najet	Determination of the flowering dates of varieties of fruit species by multi-resolution satellite, optics and radar in semi-arid area (central Tunisia) and mapping of the impact of CC on their production
WP: WP2			
Supervision type	WP	Student name	Topic
PhD	WP2	OUAADI Nadia	Contributions of high repeatability and high resolution radar data from the Sentinel-1 sensor for the characterization of the water status of agricultural areas in the southern Mediterranean regions.
PhD	WP2	BOUIMOUAS Houssne	Characterization and modeling of groundwater recharge processes in the foothills area, under semi-arid climate, using isotopic and hydrochemical tools (case of the Ourika basin, Tensift, central Morocco)
PhD	WP2	JOFRE Christian	Assessment and optimisation of different methodologies to estimate crop evapotranspiration in Woody crops through remote sensing
PhD	WP2	PAOLINI Giovanni	Monitoring Irrigation at different spatial spatial scales through different methodologes
WP: WP3			
Supervision type	WP	Student name	Topic
PhD	WP3	EL FAREKH Jamal	Evaluation of evapotranspiration in irrigated areas upstream of the Haouz plain: Use of the SAMIR model and micrometeorological measurements.
PhD	WP3	MOUCHA Ahmed	Implementation of the SIM chain on the Tensift watershed in Morocco
PhD	WP3	OUKADDOUR Kaoutar	Analysis and spatialization of evapotranspiration on the Haouz-Mejjat plain (Morocco) by the mET-weap tool.
WP: WP4			
Supervision type	WP	Student name	Topic
PhD	WP4	ELHOUSSAINE Bouras	Crop water requirements in the Southern Mediterranean: seasonal forecasting of cereal yields and impact of global changes
PhD	WP4	BENKIRANE Myriam	Contribution of hydrological modeling to the understanding of extreme processes: flood forecasting at the level of five mountainous catchments of the Tensift (High Atlas, Morocco)

# Project progress

## [Training]

### Geophysical training: TDEM method

#### WP5

#### Training support

**Year:** 2020

**Topic:** Geophysics

Training Seminar "Geophysical Sounding using the TDEM Method - 1D Electromagnetic Survey in the Temporal Domain"

Time duration: from June, 15<sup>th</sup> to June, 17<sup>th</sup> 2020.

Location: Campus of the Water Research and Technology Centre, Borj Cédria, Tunisia

Audience: 20 trainees

20 attendees :

- technical staffs from ministry directorates
- students