

**Program for the Kick-Off meeting of the PRIMA ALTOS project**  
**Visio-conference: Tunisia, Morocco, Lebanon, Spain, Italy, France**  
**May, 25<sup>th</sup> and 26<sup>th</sup> 2021**

	May, 25 <sup>th</sup> 2021	May, 26 <sup>th</sup> 2021
Morocco	[08h30 - 11h00] - [12h00 - 14h30]	[08h30 - 11h00] - [12h00 - 14h30]
Tunisia	[09h30 - 12h00] - [13h00 - 15h30]	[09h30 - 12h00] - [13h00 - 15h30]
Lebanon	[11h30 - 14h00] - [15h00 - 17h30]	[11h30 - 14h00] - [15h00 - 17h30]
Spain [EU]	[10h30 - 13h00] - [14h00 - 16h30]	[10h30 - 13h00] - [14h00 - 16h30]
Italy [EU]	[10h30 - 13h00] - [14h00 - 16h30]	[10h30 - 13h00] - [14h00 - 16h30]
France [EU]	[10h30 - 13h00] - [14h00 - 16h30]	[10h30 - 13h00] - [14h00 - 16h30]
Zoom link to be sent 30 minutes before the beginning.		

May, 25 <sup>th</sup> 2021  [10h30 - 11h30] EU time	<b>Part 1/5: Meeting &amp; project overview (1h)</b>	<b>40' for presentation + 20' for discussions</b>
	Meeting presentation and schedule (F. Jacob)	
	Recent update about partnership and granting (F. Jacob) <ul style="list-style-type: none"> <li>• Delays in granting</li> <li>• Lebanese situation</li> <li>• Project calendar: current status and extension request</li> </ul>	
	Project overview (F. Jacob) <ul style="list-style-type: none"> <li>• Science               <ul style="list-style-type: none"> <li>○ Societal challenges, overall and specific objectives</li> <li>○ Methodological challenges, available assets</li> <li>○ Experimental and methodological strategies</li> <li>○ Activity structuration (WPs overview and connections)</li> </ul> </li> <li>• Outcomes and impacts               <ul style="list-style-type: none"> <li>○ Result co-building, dissemination and exploitation</li> <li>○ Deliverables &amp; Milestones (partially revisited due to grant cuts)</li> </ul> </li> <li>• Governance structure</li> </ul>	

May, 25 <sup>th</sup> 2021  [11h30 - 12h30] EU time	<b>Part 2/5: Partner presentation (1h)</b>	<b>5' for each partner (+5' buffer)</b>
	UCAM (S. Khabba) INAT (J. Aouissi) INRGREF (R. Zitouna) CERTE (F. Lachaal) SUPCOM (R. Abdelfattah) CNRS-L (A. Fadel) - TBC	LARI (I. Jomaa) - TBC IRTA (J. Bellvert) UNICA (N. Montaldo) IRD / CESBIO (G. Boulet) IRD / LISAH (J. Molénat)

May, 25 <sup>th</sup> 2021	Part 3/5: Project activities (6h30)	For each of the 13 tasks within 6 WP: 15' for presentation + 15' for discussions
EU time	Listing of activities and reporting of progress status. <ul style="list-style-type: none"> <li>• Experiments, databases</li> <li>• Methodological and cognitive results</li> <li>• Consideration for decisions during 2020 meetings of governance committee</li> <li>• Deliverable progresses</li> <li>• Milestone check</li> <li>• Difficulties and backups</li> <li>• Forthcoming activities.</li> </ul> Note 1: each task leader can find at the end of the current document the listing <ul style="list-style-type: none"> <li>• of the task topics along with the involved partners (annex 1);</li> <li>• of the task deliverables (annex 2);</li> <li>• of the task milestone (annex 3);</li> </ul> Note 2: The following materials are also provided. <ul style="list-style-type: none"> <li>• Gantt's chart in annex 4;</li> <li>• Grant cuts in annex 5.</li> </ul>	
[12h30 - 13h00]	WP1: characterizing spatial structures Task 1.1: object geometries and landscape structure [leader: J. Bellvert]	
[13h00 - 14h00]	BREAK	
[14h00 - 14h30]	WP1: characterizing spatial structures Task 1.2: landscape featuring [leader: ???]	
[14h30 - 15h00]	WP2: Monitoring fluxes and storages Task 2.1: water and chemical fluxes [leader: F. Lachaal]	
[15h00 - 15h30]	WP2: Monitoring fluxes and storages Task 2.2: spatial heterogeneities [leader: G. Boulet]	
[15h30 - 16h00]	WP3: Modelling fluxes and storages Task 3.1: modelling individual processes [leader: N. Montaldo].	
[16h00 - 16h30]	WP3: Modelling fluxes and storages Task 3.2: modelling combined processes [leader: J. Aouissi].	

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May, 26 <sup>th</sup> 2021	<b>Part 3/5: Project activities (6h30)</b>	<b>For each of the 13 tasks within 6 WP: 15' for presentation + 15' for discussions</b>
EU time	Listing of activities and reporting of progress status.	
[10h30 - 11h00]	WP4: Simulating fluxes and storages for structure modulations Task 4.1: setting up scenarios [leader: S. Khabba].	
[11h00 - 11h30]	WP4: Simulating fluxes and storages for structure modulations Task 4.2: impact assessment and scenario ranking [leader: I. Mekki].	
[11h30 - 12h00]	WP4: Simulating fluxes and storages for structure modulations Task 4.3: comparing irrigated and rainfed agrosystems [leader: F. Jacob].	
[12h00 - 12h30]	WP5: Pooling, dissemination and exploitation Task 5.1: sharing of data and methods [leader: ???]	
[12h30 - 13h00]	WP5: Pooling, dissemination and exploitation Task 5.2: dissemination and exploitation of project results [leader: R. Zitouna].	
[13h00 - 14h00]	BREAK	
[14h00 - 14h30]	WP6: Coordination, management and communication Task 6.1: Coordination and Management [Leader: F. Jacob / H. Nouri].	
[14h30 - 15h00]	WP6: Coordination, management and communication Task 6.2: Communication [Leader: F. Jacob / H. Nouri].	

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May, 26 <sup>th</sup> 2021 EU time	<b>Part 4/5: Project progresses (45')</b>	<b>30' for presentation + 15' for discussions</b>
[15h00 - 15h45]	<ul style="list-style-type: none"> <li>• Deliverable and milestone progresses at the project scale <ul style="list-style-type: none"> <li>○ Accomplishments, delays</li> <li>○ Revisit with Gantt chart</li> </ul> </li> <li>• Budget status</li> <li>• Scientific production</li> <li>• Dissemination and exploitation of project outcomes</li> </ul>	
	<b>Part 5/5: round table (up to 45')</b>	
[15h45 - 16h30]	Free format Please prepare your questions / requests at the task level.	

Next pages: annexes 1, 2, 3, 4 and 5.

**Annex 1 (part 1/2): listing of the task topics along with the involved partners**

<b>WP1 : characterizing spatial structures</b>	
Task 1.1 : object geometries and landscape structure [leader: IRTA]	
Canopy	UCAM, CESBIO, IRTA
Aquifer	CERTE, UNICA
Soil	CERTE, UNICA, LARI
Infiltrability	INAT, LISAH, CESBIO
Climate	INAT, INRGREF, SUPCOM, LISAH [HSM], CESBIO, UNICA
Task 1.2 : landscape featuring [leader: ???]	
Reservoirs	LISAH, LARI, CNRS-L
Land use	INAT, INRGREF, LISAH, UCAM, CESBIO, LARI
Crop biomass	SUPCOM, INRGREF
Chemical treatments	INAT, LISAH
Hydrological connectivities	INRGREF, LISAH, IRTA, UNICA
<b>WP2 : Monitoring fluxes and storages</b>	
Task 2.1 : water and chemical fluxes [leader: CERTE]	
Evapotranspiration, soil moisture and crop growth	INRGREF, SUPCOM, CESBIO, LISAH, UCAM, UNICA, IRTA
Surface and subsurface water transfer	CERTE, LISAH, CNRS-L, UCAM, CESBIO, UNICA
Chemical pollutants: fluxes and retention	INAT, LISAH, CNRS-L
Task 2.2 : spatial heterogeneities [leader: CESBIO]	
Canopy scale (multi-strata, drip irrigation)	INAT, CESBIO, UNICA, IRTA
Landscape scale (soil, topography, canopies)	INRGREF, SUPCOM, CESBIO, LISAH, UCAM, UNICA, IRTA.
<b>WP3 : Modelling fluxes and storages</b>	
Task 3.1: modelling individual processes [leader: UNICA].	
Water fluxes within heterogeneous rooting systems or under drip-irrigated orchards	INAT, CESBIO, UNICA, IRTA
Evapotranspiration	INRGREF, INAT, LISAH, UCAM, CESBIO, UNICA, IRTA
Dam - aquifer exchanges	CERTE, LISAH, UNICA
Task 3.2: modelling combined processes [leader: INAT].	
Coupling distributed hydrology & crop growth modelling.	CESBIO, LISAH, INRGREF
Semi-distributed hydrology along with subsurface hydraulic redistribution.	INAT, UNICA
Integrated hydrological modelling and climate forcing.	UCAM, CESBIO, UNICA

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**Annex 1 (part 2/2): listing of the task topics along with the involved partners**

<b>WP4 : Simulating fluxes and storages for structure modulations</b>		
Task 4.1: setting up scenarios [leader: UCAM].		
Listing of existing scenarios (realistic about land use & irrigation conversion)	All partners except IRTA and UNICA	
Designing exploratory scenarios about reservoir geometry & density		
Designing new scenarios (realistic about chemical treatments, benches, land use and irrigation)		
Mixing basic scenarios		
Task 3.2: impact assessment and scenario ranking [leader: INRGREF].		
Selection of integrated modelling schemes	All partners except IRTA and UNICA	
Simulations on the basis of scenarios		
Indicator design and production		
Scenarios ranking with decision makers		
Task 4.3: comparing irrigated and rainfed agrosystems [leader: LISAH].		
Cross analysis on vulnerabilities	All partners except IRTA and UNICA	
Production and comparison of simulation-based indicators at different spatial scales		
<b>WP5 : Pooling, dissemination and exploitation</b>		
Task 5.1: sharing of data and methods [leader: ???]		
Cluster based infrastructure for online-based sharing	All partners	
Sharing through modelling workshops.		
Mobility-based sharing.		
Task 5.2: dissemination and exploitation of project results [leader: INRGREF].		
Knowledge management strategy <ul style="list-style-type: none"> <li>• Data management plan</li> <li>• Delivery of aggregated data</li> <li>• Training on data processing methods</li> <li>• Training on modelling tools</li> <li>• Training on integrated modelling tools</li> <li>• Technical reports on management method</li> <li>• Policy briefs on vulnerabilities</li> </ul>	All partners	
Task 6.1: Coordination and Management [Leader: LISAH].		
GA and CA - cost reduction	Management board	
Relation with PRIMA office - commitment letter		
Project manager recruitment		
KOM and governance committee		
PRIMA web-based system		
Mid-term and final reports		
Task 6.2: Communication [Leader: LISAH].		
Internal communication	Management board	
Communication plan [IRD services]		
Project web site (public / private parts)		

**Annex 2: listing of the task deliverables**

<b>WP1</b>
<ul style="list-style-type: none"> <li>• D1.1.1 [Task 1.1]: dataset @ Month 15 → to be included into project clustered database (WP5).</li> <li>• D1.1.2 [Task 1.1]: 2 submitted publications for methodological innovations @ Month 21.</li> <li>• D1.2.1 [Task 1.2]: dataset @ Month 15 → to be included into project clustered database (WP5).</li> <li>• D1.2.2 [Task 1.2]: 2 submitted publications for methodological innovations @ Month 21.</li> </ul>
<b>WP2</b>
<ul style="list-style-type: none"> <li>• D2.1.1 [Task 2.1]: dataset @ Month 15 → to be included into project clustered database (WP5).</li> <li>• D2.1.2 [Task 2.1]: 2 submitted publications about data analysis @ Month 21.</li> <li>• D2.2.1 [Task 2.2]: dataset @ Month 15 → to be included into project clustered database (WP5).</li> <li>• D2.2.2 [Task 2.2]: 2 submitted publications about data analysis @ Month 21.</li> </ul>
<b>WP3</b>
<ul style="list-style-type: none"> <li>• D3.1.1 [Task 3.1]: report on successes and progression margins for new parameterizations and calibration procedures @ Month 15, to be shared within modelling workshops in WP5 @ Month 18.</li> <li>• D3.1.2 [Task 3.1]: 2 submitted publications for methodological developments of individual process modelling @ Month 27.</li> <li>• D3.2.1 [Task 3.2]: report on modelling improvements via comparison exercises for integrated modelling schemes @ Month 33, to be shared within modelling workshops in WP5 @ Month 36.</li> <li>• D3.2.2 [Task 3.2]: 2 submitted publications for methodological developments of integrated process modelling @ Month 36.</li> </ul>
<b>WP4</b>
<ul style="list-style-type: none"> <li>• D4.1.1 [Task 4.1]: four new scenarios of structure modulation in the form of numerical representations @ Month 24 → to be included into project clustered database (WP5).</li> <li>• D4.2.1 [Task 4.2]: scenario ranking from participative seminars on the basis of simulation-based indicators, in the form of report @ Month 33 → to be included into project website and disseminated to stakeholders (WP5).</li> <li>• D4.2.2 [Task 4.2]: 2 submitted publications about scenario design / analysis / ranking from simulation-based indicators @ Month 36.</li> <li>• D4.3.1 [Task 4.3]: comparative analysis of irrigated and rainfed agrosystems in the form of report @ Month 33 → to be included into project website and disseminated to stakeholders (WP5).</li> </ul>
<b>WP5</b>
<ul style="list-style-type: none"> <li>• D5.1.1 [Task 5.1]: metadata and metamodels are available on ALTOS project web site @ Month 6, 18, 33.</li> <li>• D5.1.2 [Task 5.1]: organisation of modelling workshops @ Month 2, 18, 36.</li> <li>• D5.2.1 [Task 5.2]: knowledge management strategy along with data management plan in the form of report @ Month 6, 18, 36.</li> <li>• D5.2.2 [Task 5.2]: technical reports for managers, based on the conclusions of the participative seminar (TK 4.2, 1 per study site) @ Month 33.</li> <li>• D5.2.3 [Task 5.2]: policy brief on vulnerabilities and adaptabilities of irrigated and rainfed systems @ Month 35.</li> </ul>
<b>WP6</b>
<ul style="list-style-type: none"> <li>• D6.1.1 [Task 6.1]: PRIMA-IS mid-term report @ Month 18.</li> <li>• D6.1.2 [Task 6.1]: PRIMA-IS final report @ Month 36.</li> <li>• D6.2.1 [Task 6.2]: ALTOS communication plan @ Month 3.</li> <li>• D6.2.2 [Task 6.2]: ALTOS website online @ Month 4, updated on a monthly basis.</li> </ul>

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**Annex 3: listing of the task milestones**

<b>WP1</b>
<ul style="list-style-type: none"> <li>MS1: update of clustered database with collected data from monitoring systems. This milestone is associated with a presentation included in the agenda of the management board meeting @ Month 18, to review and validate the available data and their quality. If needed the project workplan will be reoriented accordingly.</li> </ul>
<b>WP2</b>
<ul style="list-style-type: none"> <li>MS2: update of databases with collected data from monitoring systems. This milestone is associated with a presentation included in the agenda of the management board meeting @ Month 18, to review and validate the available data and their quality. If needed the project workplan will be reoriented accordingly.</li> </ul>
<b>WP3</b>
<ul style="list-style-type: none"> <li>MS3: improved versions of integrated modelling schemes are available for being used in WP4 @ Month 24. A risk-mitigation measure is setup, please refer to table 3.2b - penultimate item.</li> </ul>
<b>WP4</b>
<ul style="list-style-type: none"> <li>MS4.1: four participative seminars about scenario design (one per study sites) @ Month 22.</li> <li>MS4.2: four participative seminars about scenario ranking (one per study sites) @ Month 31.</li> <li>MS4.3: update of clustered database with reports on scenario design, scenario ranking and comparative analysis of irrigated / rainfed agrosystems @ Month 35.</li> </ul>
<b>WP5</b>
<ul style="list-style-type: none"> <li>MS5.1: mobility plan for ALTOS partners @ Month 4.</li> <li>MS5.2: availability of data for resource managers @ Month 24.</li> <li>MS5.3: availability of materials for training sessions @ Month 18 and 30.</li> </ul>
<b>WP6</b>
<ul style="list-style-type: none"> <li>MS6.1: ALTOS kick-off meeting in Tunisia @ Month 2.</li> <li>MS6.2: Monitoring Board meetings @ Month 2, 6, 12, 18, 24, 30, 36.</li> <li>MS6.3: Final conference in Italy @ Month 36.</li> </ul>

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## Annex 4: Gantt's chart

<ul style="list-style-type: none"> <li>• R: Document, report (excluding the periodic and final reports)</li> <li>• DEM: Demonstrator, pilot, prototype, plan designs</li> <li>• DEC: Websites, patents filing, press &amp; media actions, videos, etc...</li> <li>• OTHER: Software, technical diagram, etc.</li> <li>• CO: confidential</li> <li>• PU: public</li> </ul>					
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 [Progress/closure 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
6 (9)	MS6.2	Monitoring board meetings (2/7)	6	MB	Meeting minutes
6 (14)	MS5.1	Mobility plan	5	LISAH	Validated by the MB
6 (14)	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	D1.1.1	Dataset from Task 1.1	1	IRTA	OTHER / CO
15	D1.2.1	Dataset from Task 1.2	1	LARI	OTHER / CO
15	D2.1.1	Dataset from Task 2.1	2	CERTE	OTHER / CO
15	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
21	D1.1.2	Submitted publications	1	IRTA	R / PU
21	D1.2.2	Submitted publications	1	LARI	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
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	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	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

### Annex 5: listing of the grant cuts

Annex 1 : grant cuts.		
France - IRD / CESBIO	Done - no reduction - GA received	Granted
France - IRD / LISAH	Done - no reduction - GA received	Granted
Italy - UNICA	Done - no reduction - no GA	Granted
Spain - IRTA	Done - 15% reduction - GA received	Granted in 12/2019
Morocco - UCA	Done - 25% reduction - GA received	Granted in 12/2019
Tunisia - CERTE	Done - 20% reduction - GA received	Granted
Tunisia - INAT		
Tunisia - INRGREF		
Tunisia - SupCom		
Lebanon - LARI	Done - strong reduction - GA received	Granted but crisis
Lebanon - CNRS-L	GA requested	Not Yet Granted