

<b>Type of meeting:</b>	<b>Training on Management Tools and Initial Assessment for the Enhancement of the LARI Irrigation/Early Warning System</b>
<b>Beneficiaries/Attendees:</b>	Irrigation/agronomic managers and experts (mainly from LARI) selected by the Lebanese authorities
<b>Organizers</b>	CLIMASOUTH project – LARI – IAMB
<b>Main Objectives:</b>	<ul style="list-style-type: none"> <li>- Empower LARI with knowledge of the tools and practices of IAM-Bari in irrigation.</li> <li>- Assess existing practices in Bekaa, and search for management practices and systems (irrigation and plant protection) which could improve resilience to climate variability and change, and which can represent a major contribution to adaptation in the agriculture sector.</li> </ul>

Monday 19/1/2015	<p>8:30-9:00 Registration</p> <p>9:00 – 9:30, Introduction and Welcome</p> <p>9:30 – 10:00, Context: the ClimaSouth Project and Lebanon National Activity (by Neil Ward, ClimaSouth)</p> <p>10:00-11:00 Presentation of the existing hydro-meteorological network of LARI, analysis of existing historical data inputs and outputs (extreme events, droughts- floods, heats- frosts) , data quality and trends (by LARI staff, with support of IAMB, interactive session)</p> <p>11:00-11:30 Coffee break</p> <p>11:30-13:00 Continue last session</p> <p>13:00-14:00 Lunch</p> <p>14:00-16:00 Existing tools and methods for the estimation of crop water requirements and irrigation scheduling (IAMB)</p> <p>16:00-16:30 Coffee break</p> <p>16:00-17:00 Impact of meteorological data on the soil water balance components, quality analysis, missing data recovery, interpolations (temporal and spatial), extrapolations (by IAMB).</p>
Tuesday 20/1/2015	<p>9:00-11:00 Modelling tools and data requirement to set the basis of a national early warning system for irrigation sector (interactive, LARI – IAMB?)</p> <p>11:00-11:30 Coffee break</p> <p>11:30-12:00 Presentation of the soil map and cropping pattern of Bekaa Valley (LARI)</p> <p>12:00-13:00 Integration of soil, crop and meteorological data for Bekaa Valley, identification of specific pedo-climatic patterns, link with the cropping pattern and water availability and management practices, vulnerability, risk analysis and management (IAMB, LARI, interactive session using the tools presented on Day 2)</p> <p>13:00-14:00 Lunch</p> <p>14:00-16:00 Drought: definition, monitoring, indices, warning and information systems (IAMB) + Use of remote sensing for monitoring soil water balance components of agricultural systems (IAMB)</p> <p>16:00-16:30 Coffee break</p> <p>16:30-17:00 Adaptation to climate change: interaction between weather, soil, crop and management data with national policies for a more efficient water use in agriculture. What should be done (who and how) to improve the performance of agricultural sector in Bekaa Valley and to limit its vulnerability to climate change (IAMB, LARI, interactive session)</p>
Wednesday 21/1/2015	<p>9:00-11:00 Application and hands on Modelling for crop water requirement</p> <p>11:00-11:30 Coffee break</p> <p>11:30-13:00 Methods on preparing EWS messages for farmers</p> <p>13:00-14:00 Lunch</p> <p>14:00-16:00 Farmers messages on early warning systems for irrigation</p> <p>16:00-16:30 Coffee break</p> <p>16:30-17:00 Discussion and preparing for the field trip</p>
Thursday 22/1/2015	<p>9:00-17:00 Technical visit to the agro-meteorological station and to the agricultural farms (LARI, IAMB)</p> <p>Lunch and Coffee breaks are to be decided</p> <ul style="list-style-type: none"> <li>- Discussion, planning, and reports preparation (LARI, IAMB)</li> <li>- Planning for the visit to IAMB Bari, Italy; objectives and what to be prepared</li> </ul>