



ACLIMAS Follow- up 2nd Training programme on:

Climate change adaptation for water, food and environment security

6th of October City , Cairo- Egypt 15-17 September 2015

Background

In the framework of the cooperation between the CHIEAM- Mediterranean Agronomic Institute of Bari (CIHEAM-Bari) and the Egyptian scientific institutions, the second part of the training programme on “***Climate change adaptation for water, food and environmental security***” under the umbrella of EU-ACLIMAS programme will take place in Cairo, Egypt, on 15-17 September 2015.

Indeed, this programme is a continuation to the previous one which was carried in Cairo. 13-15 June 2015. The success achieved in the first programme and the request showed up by both participants and lecturers encouraged Bari Institute to continue this activity in Egypt by announcing the second training programme as a part of the running activities carried out under the EU ACLIMAS project.

Introduction

It is becoming increasingly clear that climate change is an inevitable process. With likely long-term changes in rainfall patterns, rising temperatures and shifting climate zones (IPCC 2013), climate change is expected to increase the frequency of climate-related shocks, which in turn will put pressure on food, energy and water supply. The impact will be amplified through the interconnections and interdependence among these three resources, popularly known as the Food Energy Water (FEW) Nexus.

Climate change will exacerbate the challenges of meeting FEW needs. It will affect food availability and accessibility and the stability of the food system directly through changes in productivity, quality of yield, crop failures, loss of livestock, farming costs and the effects of changing weather conditions on agricultural practices; and indirectly through the potential effects on water resources and the distribution of pests/disease.



Evidence indicates that more frequent and more intense extreme weather events, rising sea levels and increasing irregularities in seasonal rainfall patterns are already having an immediate impact not only on food production but also on food distribution infrastructure (FAO 2008).

Countries differ in terms of exposure, vulnerability and their capacity to adapt to climate change. At the same time, the impact would be experienced differently within countries, with positive effects seen in some regions and negative effects in others.

Taking the case of Egypt more importantly, there is a need to understand how projected changes will play out at the local level, and how potential impacts may be altered by adopting risk management measures and adaptation strategies that strengthen preparedness and resilience. Simultaneously, climate policies will need to take an integrated perspective across the FEW Nexus to avoid mal adaptation and negative externalities.

Training programme main objectives

The training programme will aim to:

- Learn from relevant case studies and examine cutting edge research
- Identify research area for climate change adoption
- Debate emerging solutions
- Build new or strengthen existing networks
- Exchange of experiences, updating knowledge and information among the participants.

Training course: suggested topics

- Impact of climate change on water security
- Impact of climate change on food security
- Impact of climate change on energy
- Protecting food security by adopting to climate change
- The nexus approach to water-energy food security: an adoption for adaptation to climate change
- The climate change mitigation: the enhancement of adaptive capacity
- Climate change adaptation and water governance
- Sustainability and applicability of water reuse for adapting climate change
- Technologies and practices for climate change adaption in the water sector
- Water and climate change adaptation strategies



- Climate change projections and their relevance for agriculture in the Mediterranean
- Climate change impact on desertification
- Facing the change and food security: the role of research, extension and communication in climate change adoption
- Gender and climate change adaptation

Ciheam-Bari Staff and Invited lecturers /Experts

1	Prof. Dr. Malden Teodorovic	Aclimas Coordinator , CIHEAM-IAM Bari	Italy
2	Prof. Dr. Atef Hamdy	CIHEAM-IAM of Bari	Italy
3	Dr. Nouredin Driouech	Aclimas Communication Manager, CIHEAM – IAMBari	Italy
4	Prof. Dr. Issam Khaliefa	MWRI	Egypt
5	Eng Nagwa El Kashap	RTS-MWRI	Egypt
6	Dr. Essam Khalifa	MWRI	Egypt
7	Prof. Dr. Mustafa Abu Zeid	Chairman MED-MWRI	Egypt
8	Eng. Mona El-Agizy	Consultant AWC	Egypt
9	Prof. Safwat Abdel Dayem	Consultant AWC	Egypt
10	Prof. Dr. Ismail Abd El Galil	DRC	Egypt
11	Prof. Dr. Ahmed Karisha	DRC	Egypt
12	Prof. Dr. Ahmed Yousef	DRC	Egypt
13	Prof. Dr. Mahmoud Medany	ARC	Egypt
14	Dr. Ahmed Abu-Elseoud Ahmed	EEAA	Egypt
15	Dr. Antonio Trabucco	EMCC	Italy
16	His Excellency Prof. Dr. Hussein El-Atfy	Executive director AWC	Egypt
17	Prof. Dr. Mustapha Abu-Zeid	Head MWRI	Egypt
18	His Excellency Prof. Dr. Ayman Abu-Hadid	ASU-FA Ain Shames Univesrity faculty of Agriculture	Egypt
19	Prof. Dr. Khaled Kheir eldeen	Head ECRI-MWRI	Egypt
20	Dr. Hammou Laamrani, GIZ	GIZ, (ACCWaM) Mena region	Egypt
21	His Excellency Prof. Dr. Mahmoud Abu-Zeid	President AWC	Egypt
22	His Excellency Prof. Dr. Mohamed Abdel Mutaleb	Chairman NURC	Egypt



Training Course Calendar

Day 1: Tuesday, 15 September 2015	
9:00 – 10:00	Opening ceremony and Welcome address by representatives of: EU-regional Office, Cairo; SWIM National Focal Point; AWC; CIHEAM – Mediterranean Agronomic Institute of Bari, Italy. - Eng. Nagwa El-Khashab, - Dr. Essam Khalifa - Excellency Prof. Dr. Mahmoud Abu Zeid El Khasap; - Prof. Atef Hamdy; - Prof. Mladen Todorović; Dr. Nouredin Driouech
10:00 – 11:00	Impact of climate change on water security Prof. Dr. M. Abu -Zeid, president of AWC, Egypt
11:00 – 11:30	<i>Coffee break</i>
11:30 – 12:30	Managing risks under climate change Eng. Mona El- Agizy, Consultant AWC, Egypt
12:30 – 13:00	<i>General discussion</i>
13:00 – 14:00	<i>Lunch break</i>
14:00 – 15:00	Water productivity of Mediterranean agricultural systems under climate Change. Prof. Dr. Mladen Todorović, coordinator of ACLIMAS project, CIHEAM-IAM of Bari, Italy
15:00 – 16:00	Water governance and climate change adaptation. Prof. Dr. Safwat Abdel Dayem, Consultant AWC, Egypt
16:00 – 17:00	Gender and climate change adaptation and mitigation Prof. Atef Hamdy, CIHEAM-IAM of Bari, Italy
17:00 – 17:30	<i>General discussion</i>



Day 2: Wednesday, 16 September 2015	
9:00 – 10:00	Impact of climate change on desertification Prof. Dr. Ismail Abd Egalil, DRC, Egypt
10:00 – 11:00	Assessment of grazing, shrub encroachment and climate change variation impacts on arid range lands at South Eastern Egypt Prof. Dr. Ahmed Karisha, DRC, Egypt
11:00 – 11:30	<i>Coffee break</i>
11:30 – 12:30	Application of remote sensing in monitoring the climate change, desertification and natural disasters Prof. Dr. Ahmed Yousef, DRC, Egypt
12:30-13:30	Food Security in Egypt as affected by climate change Prof. Dr. Mahmoud Medany, ARC . Horticulture Research Institute, Egypt
13:30 – 14:00	General discussion
14:00 – 15:00	<i>Lunch break</i>
15:00 – 16:00	To be decided Dr. Ahmed Abu El Seoud, EEAA , Egypt
16:00 – 17:00	Climate change projections and their relevance for agriculture in the Mediterranean Dr. Antonio Trabucco, Euro-Mediterranean Centre for Climatic Change (MCCC), Lecce-Italy
17:00 – 17:30	General discussion



Day 3: Thursday, 17 September 2015	
9:00 – 10:00	Promoting gender responsive approach for facing climate change risks in the Arab region. Prof. Dr. Hussein El-Atfy, Executive director AWC, Egypt
10:00 – 11:00	The effect of climate changes on the performance of Irrigation pumping Station Prof. Dr. Mustapha Abu-Zeid, Head MWRI, Egypt
11:00 – 11:30	<i>Coffee break</i>
11:30 – 12:30	Facing the climate change and food security: the role of research, Extension and communication in Climate change adaption Prof. Dr. Ayman Abu Hadid, Ain Shams University faculty of Agriculture, Egypt
12:30 – 13:00	<i>General discussion</i>
13:00 – 14:00	<i>Lunch break</i>
14:30 – 15:30	Technologies and Practices for climate change adaptation in the water sector Dr. Khaled Kheir El Deen, Head ECRI – MWRI, Egypt
15:30 – 16:30	Water and climate change in Arid regions: challenges and opportunities Dr. Hammoun Laamrani, GIZ, (ACCWaM) MENA region, Egypt
16:30 – 17:30	Climate Change Adaptation and mitigation. The Training Aspects Eng. Nagwa El Khasah, Chairman of Regional water resources, RTS-MWRI Closing ceremony, Final recommendations and Diploma award



ACLIMAS Project, Contact and information

ACLIMAS is a demonstration project funded within the Sustainable Water Integrated Management (SWIM) programme of the European Commission (EC). The project addresses the priority - Water and Climate Change - by promoting in 6 Mediterranean countries/target areas the demonstration / implementation / dissemination of the research results of previous EC-funded initiatives.

The overall objective is to bring a durable improvement of the agricultural water management and a broader socio-economic development of target areas in the context of adaptation to climate change, increasing water scarcity, and desertification risks. ACLIMAS pursues an holistic multidisciplinary border-crossing approach that integrates a set of locally-tailored technical adaptation measures with socio-economic and environmental aspects of water management in Mediterranean agriculture.

The project is coordinated by the International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM), Mediterranean Agronomic Institute of Bari (IAMB). ACLIMAS has started in January 2012 and lasts 4 years.

For more information please, contact :

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Aclimas Egypt Training course coordinator, Prof. Dr. Atef Hamdy (hamdy@iamb.it)

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ACLIMAS Official Web site: LINK <http://www.aclimas.eu/>

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