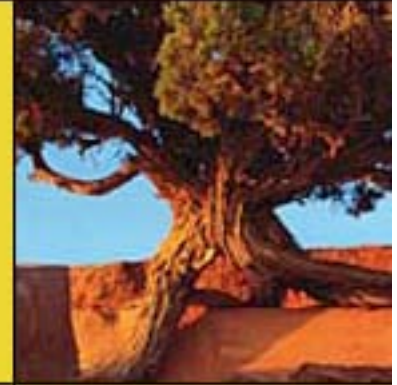


ADAGIO P8 Working plane



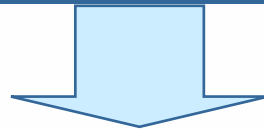
**Egyptian partner:
Central Laboratory for Agricultural
Climate (CLAC)**

Dr. Mahmoud Medany





How to better ADAPT AGRICULTURE to CLIMATE CHANGE?



Identify significant Regional and local vulnerability issues and the related potential problems due to climate change

(WP2)



Identify feasible potential adaptation measures for the selected regional agricultural systems, based on the identified problems

(WP3)



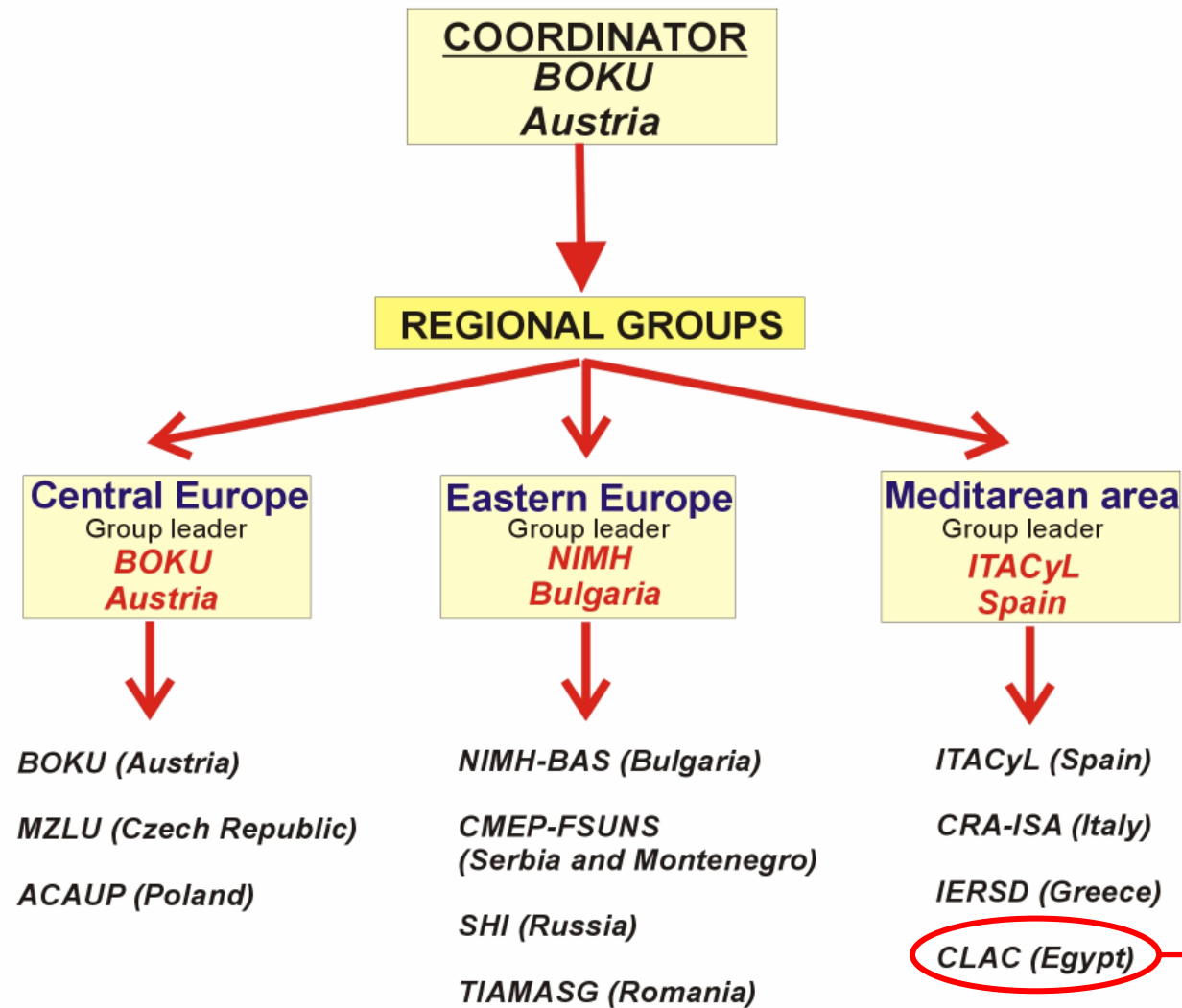
Identify and demonstrate dissemination strategies of adaptation measures to decision-makers

(WP4)

CLAC Task



ORGANIZATION STRUCTURE of ADAGIO



- Partner 8

Will be responsible for the “applicants” side of SSA activities in Egypt.

Also will represent the climate-change risks and adaptation options that face agricultures.

Mediterranean Region



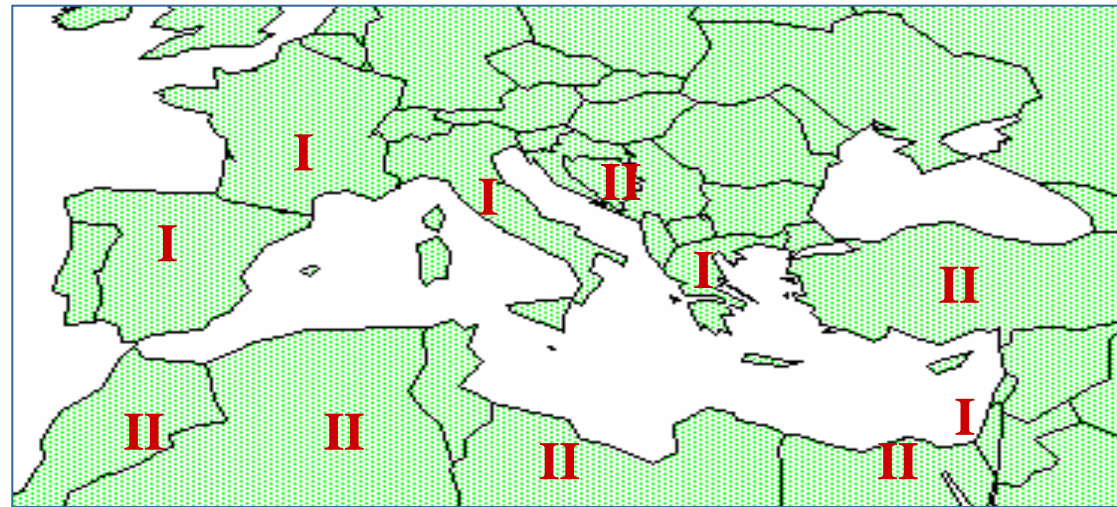
2002-2005

• total area (Million ha)	841
• Arable land (Million ha)(1)	98
• Permanent crops (Million ha) (2)	19
• Cultivated area (1+2) (Million ha)	117 (14%)
• Total population (Million inhabitant)	443
• Rural population (Million inhabitant)	166 (37%)
• Urban population (Million inhabitant)	277 (63%)

MPC agricultures



Region I (including mainly EU countries): characterised by completely intensive and market-oriented agriculture with typical Mediterranean crops (olive, grapevine, cereals)



Region II (including mainly Asian and African countries) that is characterised by diverse patterns of agriculture:

- traditional type of agriculture (cereals),
- market-oriented type of agriculture (fruit trees, olive and grape)



Pressures and Vulnerabilities

- **Climate variability.**
- **Extreme events**
- **Water Resources & Water Usage.**
- **Population.**
- **Irrigated areas & irrigation Techniques.**
- **Agricultural sector role in the national economy.**
- **Standard of life and development strategies.**
- **International trade.**
- **Political situation and stability.**

CLAC (P8) national study assessments

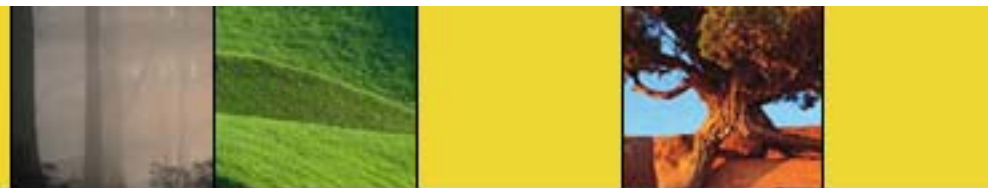


ADAGIO General objectives are in consistence with CLAC targeted objectives in term of developing national agri-adaptation strategy

CLAC (as P8 ADAGIO participant) is aiming to:

- Assess of the impacts of climate change and variabilities on crop water requirements in irrigated areas in the Nile Delta of Egypt.
- Conduct feasibility analysis of the adaptation options to climate change impacts on typical agriculture production in Egypt.

Consortium description



WP	Activities	Deliverables
WP1	Establishment of <u>contacts</u> to national experts and <u>applicants</u> (Arabic language).	D1: First general meeting report. D2: National reports on the national contacts, working groups and activities.
WP2	The regional pilot assessment to analyse the vulnerabilities of cropping systems at Nile Delta region. Analysis the related agroecosystems regarding main limitations, observed trends, socio-economic conditions for Egypt.	D3: National pilot assessments results report. D4: Description of the related agroecosystems.
WP3	<ul style="list-style-type: none"> • Analysis of ongoing and feasible potential adaptation measures on the selected agroecosystems in Egypt • Analysis of uncertainties, cost/benefits, risks, opportunities for co-benefits of adaptation measures in Italy 	D5: Description of ongoing and feasible potential adaptation measures on the selected agroecosystems in Egypt. D6: Report on the national assessment studies D7: Description of uncertainties, cost/benefits, risks, opportunities for co-benefits, ...of potential adaptation measures in Egypt
WP4	Assessment of dissemination and demonstration strategies (in Arabic).	D8: Description of feasible strategies for integration into management practices and agricultural policy and dissemination in Egypt. D9: National report of the indicated demonstration activities



WP1

Establishment of the indicated contacts to national experts and applicants, communication in Arabic language.

Conducting a national-level workshop:

- To present the main objectives, working plane and the expected outputs of the project.
- To Establish contacts and applicants.
- The suggested date of the workshop: (March 6-7)
- The suggested duration of the workshop: 2 days.

Potential applicants (stakeholders):

- Agricultural Administration (Ministry of agriculture)
- Agriculture Research Centres.
- Agriculture extension and training services.
- Agricultural universities.
- Farmers and/or farmers producer associations.
- Agricultural business sector (Financing, marketing, food industry, investment).
- Environmental authorities.
- NGOs



WP2

Carrying out the regional pilot assessment to analyse the vulnerabilities of cropping systems at Nile delta region

Conducting vulnerability analysis of agricultural systems in Delta Region:

- **Select representative spots in delta region that represent the different agricultural systems that exists in this region.**
- **Conduct pilot survey in selected spots in Delta to assess the main key points affecting the vulnerability of these systems.**
- **The focus of the survey will be:**
 - **SLR**
 - **The available natural resources**
 - **Crops patterns.**
 - **Water consumption/**
 - **Agricultural management practices.**
 - **Socio-economic conditions (population, labour, Energy requirements, knowledge level, technology level...).**



WP3 :

Carrying out the regional pilot assessment of ongoing and feasible potential adaptation measures on the selected agroecosystems in Egypt

Pilot assessment study:

- **Establishing a list of possible adaptation measures (previous studies, experts, ...).**
- **A significant part of the suggested adaptation measures will be oriented to “Agricultural management practices” category.**
- **Conduct pilot survey in the project selected spots in Delta to find out the feasibility of the proposed adaptation measures from the stakeholders point of view.**
- **The feasible adaptation measures will be analyzed in terms of uncertainties, cost/benefits, risks, opportunities for co-benefits of adaptation measures in MPC(Italy).**



WP4

Identification of best ways of dissemination and demonstration strategies carried out in Arabic language

- The last stage of the project activities will be the identification dissemination and demonstration strategies of the project findings
- The results will be presented as indicated to authorities, farmer association and stakeholders.
- Special care will be oriented to the extension services to disseminate the project findings and to encourage them capacity to deliver these information to the farmers.



Disseminating knowledge Mechanisms

- Organizing an outdoor comprehensive training program for specialists from the research team on adaptation analysis.
- Conducting survey analysis to evaluate the derived adaptation options with considering stakeholders points of view.
- Concluding the final adaptation options in a published documentary, and multimedia resources.
- Making the results available on the website (<http://www.clac.edu.eg>).
- Holding a national workshop in the last six months.



Thank You