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Economic and Social Commission for Western Asia (ESCWA)

Workshop on Applying the Climate Change Vulnerability Assessment Methodology in the Arab Region
Beirut, 11-13 May 2014

AGENDA

Sunday, 11 May 2014

- 8:30 – 9:00 **Registration** – United Nations House, MZ level, MZ Conference Room
*Kindly be advised that photographic identification is needed to access to the building.
Sponsored participants are kindly asked to bring their passports, airline ticket stubs and receipts with them on the first day of the meeting.*
- 9:00 – 9:45 **Opening and Introductions**

Moderator: *Mr. Tarek Sadek, First Economic Affairs Officer/Climate Change Officer, Water Resources Section, Sustainable Development and Productivity Division, ESCWA*
- Mr. Wael Seif, Director, Water Resources Department, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD), League of Arab States
 - Mr. Matthias Bartels, Programme Coordinator, Adaption to Climate Change in the Water Sector in the MENA Region (ACCWaM), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
 - Ms. Roula Majdalani, Director, Sustainable Development and Productivity Division, United Nations Economic and Social Commission for Western Asia (ESCWA)
- Tour de Table
- Review of the objectives and agenda of the training
– *Ms. Kerstin Fritzsche, Project Manager, adelphi*
- 9:45 – 11:30 **Session 1: Introduction to RICCAR and Climate Change Vulnerability Assessment**

Moderator: *Mr. Matthias Bartels, GIZ*
- Overview of the Regional Initiative for the Assessment of the Impact of Climate Change on Water Resources and Socio-Economic Vulnerability in the Arab Region (RICCAR)
– *Ms. Carol Chouchani Cherfane, Chief, Water Resources Section, Sustainable Development and Productivity Division, United Nations Economic and Social Commission for Western Asia (ESCWA); Secretary, RICCAR Vulnerability Assessment Working Group*

Sunday, 11 May 2014 (continued)

- Climate Change Vulnerability Analysis: Concepts, Approaches, Practices
– *Mr. Stefan Schneiderbauer, Researcher/Head of Unit, Vulnerability, Risk and Climate Change, Institute for Applied Remote Sensing, European Academy of Bozen/Bolzano (EURAC Research)*
- Introduction to the Integrated Vulnerability Assessment Approach for the Arab Region: Objectives, Process and Scope
– *Ms. Kerstin Fritzsche, adelphi*

Questions & Answers

11:30 – 12:00 Coffee Break

12:00 – 13:30 **Session 2: Overview of the Regional Integrated Vulnerability Assessment Approach**

Moderator: *Mr. Wael Seif, ACSAD*

- Overview of the Methodological Framework of the Integrated Vulnerability Assessment of the Arab Region
– *Ms. Kerstin Fritzsche, adelphi*
- Moving from regional climate modelling to vulnerability assessment: Accessing NetCDF files for the Arab Domain
– *Mr. Ihab Jnad, Deputy Director, Water Resources Department, ACSAD*

Questions & Answers

13:30 – 14:30 Lunch Break

14:30 – 16:45 **Session 3: Preparing the GIS Data for the Vulnerability Assessment**

Moderator: *Mr. Tarek Sadek, ESCWA*

- Managing the Data for the Vulnerability Assessment
 - GIS data acquisition, storage and documentation
 - Data quality control and understanding of data sets (accuracy, limitations)
 - Converting of formats, rasterisation, re-scaling, registration– *Ms. Kathrin Renner, Researcher, Institute for Applied Remote Sensing, EURAC Research*
- Conversion of regional datasets for application across the Arab Domain
– *Mr. Ihab Jnad, ACSAD and Ms. Hiam Al-Ashkar, GIS Expert, Water Resources Department, ACSAD*

Questions & Answers

16:45 – 17:00 **Wrap up of Day 1**

Moderator: *Ms. Kerstin Fritzsche, adelphi*

9:00 – 11:00	Session 4: Demonstration of Approach and Practical Exercise I <i>EURAC & adelphi</i> <ul style="list-style-type: none">• Jointly run-through of all steps of the assessment approach with the participants using ArcGIS Questions & Answers
11:00 – 11:30	Coffee Break
11:30 – 13:30	Session 5: Practical Exercise II <i>EURAC & adelphi</i> <ul style="list-style-type: none">• Normalisation and classification of layers<ul style="list-style-type: none">○ Recap of the methodology○ Application of working step by the participants○ Visualization and checking of results• Aggregation of indicators to Exposure, Sensitivity and Adaptive Capacity<ul style="list-style-type: none">○ Recap of the methodology○ Application of working step by participant○ Visualization and checking of results
13:30 – 14:30	Lunch Break
14:30 – 16:30	Session 6: Practical Exercise III <i>EURAC & adelphi</i> <ul style="list-style-type: none">• Aggregation of Exposure and Sensitivity to Potential Impact<ul style="list-style-type: none">○ Recap methodology○ Application of working step by participant○ Visualization and checking of results• Aggregation of Exposure, Sensitivity and Adaptive Capacity to Sectoral Vulnerability<ul style="list-style-type: none">○ Recap methodology○ Application of working step by participant○ Visualization and checking of results• Map production<ul style="list-style-type: none">○ Methodological Introduction○ Exercise: Map Product: Potential Impact○ Exercise Map Product: Sectoral Vulnerability○ Visualization and checking of results
16:30 – 17:00	Wrap up of Day 2 Moderator: <i>Ms. Kerstin Fritzsche, adelphi</i>

- 9:00 – 11:30 **Session 7: Practical Exercise IV**
- EURAC & adelphi*
- Independent Application of the Vulnerability Assessment Methodology in ArcGIS for selected impacts (supported by trainers)
 - Presentation of results and discussion of challenges/problems
- Questions & Answers
- 11:30 – 12:00 Coffee Break
- 12:00 – 13:00 **Session 8: Applying the Vulnerability Assessment Methodology at Different Scales**
- Moderator: *Mr. Matthias Bartels, GIZ*
- Adapting the Assessment Methodology to National Needs and Specificities
– *Ms. Kerstin Fritzsche, adelphi*
 - Applying the Vulnerability Assessment under RICCAR
– *Ms. Carol Chouchani Cherfane, ESCWA and Ms. Nanor Momjian, GIS Expert, Water Resources Section, Sustainable Development and Productivity Division, ESCWA*
- Discussion
- 13:00 – 14:00 Lunch Break
- 14:00 – 16:00 **Session 9: Looking Ahead – The Regional Knowledge Hub**
- Setting-up a Regional Knowledge Hub
– *Mr. Tarek Sadek, ESCWA; Secretary, RICCAR Regional Knowledge Hub Working Group*
 - The Regional Knowledge Hub: Regional Organizations as Owners, Clients and Service Providers
– *Facilitated discussion by Mr. Alexander Carius, Managing Director, adelphi*
- Discussion
- 16:00 – 16:30 **Closing Session**
- Wrap-up and Workshop Evaluation
– *Moderator: Ms. Carol Chouchani Cherfane, ESCWA*
 - Closing Statements
 - *Mr. Wael Seif, ACSAD/LAS*
 - *Mr. Matthias Bartels, ACCWaM/GIZ*
 - *Ms. Roula Majdalani, ESCWA*