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Economic and Social Commission for Western Asia (ESCWA)

Regional Initiative for the Assessment of the Impact of Climate Change on Water Resources and Socio-Economic Vulnerability in the Arab Region (RICCAR)

Expert Peer Review of the RICCAR Integrated Assessment Findings
Beirut, 6-9 December 2016

AGENDA

Tuesday, 6 December 2016

- 8:30 – 9:00 **Registration**
A photographic identification card is needed to access UN House. Kindly allow time to collect your access card to the building.
Sponsored participants are kindly asked to bring their passports, airline ticket stubs and receipts with them on their first day of participation in the meeting.
- 9:00 – 9:30 **Opening Session**
Moderator: Mr. Tarek Sadek, First Economic Affairs Officer/Climate Change Officer, Water Resources Section, Sustainable Development Policies Division, United Nations Economic and Social Commission for Western Asia
- Welcome Statement – Mr. Ihab Jnad, Director, Water Resources Department, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD), League of Arab States
 - Integrated Assessment Overview and Peer Review Objectives – Ms. Carol Chouchani Cherfane, Chief, Water Resources Section, Sustainable Development Policies Division, United Nations Economic and Social Commission for Western Asia (ESCWA)
- Tour de table
Review of Agenda

Session I **Regional Climate Modelling Outputs**

Moderator: Ms. Carol Chouchani Cherfane, ESCWA

- 9:30 – 10:30 Global Circulation Models and Regional Climates Model (RCA4), Assumptions, Data Sources, Bias Correction, Targeted Indicators and CORDEX-MENA/Arab Ensemble Matrix
- Mr. Bode Gbobaniyi, International Cooperation Manager, Climate Services, Swedish Meteorological and Hydrological Institute (SMHI)

Tuesday, 6 December 2016

10:30 – 11:00 Rich Coffee Break

11:00 – 11:45 RCA4 Historical Reference Period

- Mr. Bode Gbobaniyi, SMHI and Mr. Joel Dahné, Hydrologist, SMHI
- Comparison with observational datasets outputs for MENA/Arab Domain
- Comments and inputs by peer reviewers

11:45 – 13:00 RCA4 Projections and Ensemble Outputs for MENA/Arab Domain

- Mr. Bode Gbobaniyi and Mr. Joel Dahné, SMHI
- Results for target indicators and extreme indices for MENA/Arab Domain
- Comments and inputs by peer reviewers

13:00 – 14:00 Lunch Break

Moderator: Mr. Ghasem Alavi, Hydrologist, SMHI

14:00 – 15:45 RCA4 Projections and Ensemble Outputs for MENA/Arab Sub-Domains

- Mr. Bode Gbobaniyi and Mr. Joel Dahné, SMHI
- Results for target indicators and extreme indices for MENA/Arab Sub-Domains
- Comments and inputs by peer reviewers

15:45 – 16:00 Light Coffee Break

16:00 – 16:15 RCA4 Projections and Ensemble Outputs: Wrap Up

- Mr. Joel Dahné, SMHI
- Comments by peer reviewers

Session II Health Case Studies based on Regional Climate Modelling Outputs

Moderator: Ms. Joelle Comair, Water Expert, Water Resources Section, Sustainable Development Policies Division, ESCWA

16:15 – 16:45 Health Case Studies on Schistosomiasis and Leishmaniasis in North Africa based on RCA4 Projections for MENA/Arab Domain

- Ms. Sarah Dickin, Research Fellow, Stockholm Environment Institute; formerly Post-Doctoral Researcher at the United Nations University Institute for Water Environment and Health (UNU-INWEH)
- Comments by peer reviewers

16:45 End of Day 1

Wednesday, 7 December 2016

Session III Regional Hydrological Modelling Outputs

Moderator: Mr. Bode Gbobaniyi, SMHI

8:30 – 9:00 Summary of Main Findings on RCA4 Ensemble Outputs for CORDEX-MENA/Arab Domain from Session I

- Mr. Joel Dahné, SMHI
- Discussion

Wednesday, 7 December 2016

- 9:00 – 10:30 Regional Hydrological Modelling using the HYPE and VIC Models: Assumptions, Data Sources, Targeted Indicators and Ensemble Matrices for CORDEX-MENA/Arab Domain
- Mr. Ghasem Alavi and Mr. Joel Dahné, SMHI
 - Comments by peer reviewers
- 10:30 – 11:00 Rich Coffee Break
- Moderator: Mr. Ghasem Alavi, SMHI*
- 11:00 – 13:00 Hype and VIC Projections and Ensembles for MENA/Arab Domain
- Mr. Joel Dahné, SMHI
 - Comments by peer reviewers
- 13:00 – 14:00 Lunch Break
- 14:00 – 15:00 Hype and VIC Ensembles: Sub-Domain Results
- Mr. Joel Dahné, SMHI
 - Comments by peer reviewers
- 15:00 – 15:15 Light Coffee Break

Session IV Basin-Level Hydrological Modelling Extreme Events Case Studies

- Moderator: Mr. Abdullah Droubi, Regional Advisor, Adaptation to Climate Change in the Water Sector in the MENA Region (ACCWaM), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)*
- 15:15 – 16:00 Extreme Events Analysis in the Wadi Dayqah, Medjerda River and Nahr el Kabir al-Junoubi Basins
- Mr. Ihab Jnad, Director, Water Resources Department, ACSAD
 - Comments by peer reviewers
- 16:00 – 16:45 Drought Analysis using the SPI index in the Wadi Dayqah, Medjerda River and Nahr el Kabir al-Junoubi Basins
- Ms. Hiam Al-Ashkar, GIS Expert, Water Resources Department, ACSAD
 - Comments by peer reviewers
- 16:45 End of Day 2

Thursday, 8 December 2016

Session V Integrated Vulnerability Assessment – Part A

- Moderator: Ms. Carol Chouchani Cherfane, ESCWA*
- 8:30 – 9:00 Overview of the Integrated Vulnerability Assessment Methodology
- Mr. Ihab Jnad, ACSAD
- 9:00 – 10:30 Water Availability Sector
- Ms. Marlene Tomaszkiwicz, GIS Expert/Climate Change, Water Resources Section, Sustainable Development Policies Division, ESCWA
 - Comments by peer reviewers

Thursday, 8 December 2016

- 10:30 – 11:00 Rich Coffee Break
- 11:00 – 12:00 Agriculture Sector: Water available for crops (water available for agricultural production)
- Mr. Ihab Jnad and Ms. Hiam Al-Ashkar, ACSAD
 - Comments by peer reviewers
- 12:00 – 13:00 Agriculture Sector: Water available for livestock (water available for rangeland areas)
- Mr. Ihab Jnad and Ms. Hiam Al-Ashkar, ACSAD
 - Comments by peer reviewers
- 13:00 – 14:00 Lunch Break
- 14:00 – 15:00 Biodiversity and Ecosystems Sector: Forests
- Mr. Ihab Jnad and Ms. Hiam Al-Ashkar, ACSAD
 - Comments by peer reviewers
- 15:00 – 16:00 Biodiversity and Ecosystems Sector: Wetlands
- Ms. Marlene Tomaszewicz, ESCWA
 - Comments by peer reviewers
- 16:00 – 16:15 Light Coffee Break

Session VI Groundwater and Climate Change Case Study

Moderator: Mr. Tarek Sadek, ESCWA

- 16:15 – 16:45 Assessment of climate change impacts on the Nile Delta Aquifer in Egypt
- Mr. Bisher Imam, Senior Programme Specialist, Regional Hydrologist, Regional Bureau for Science in the Arab States, United Nations Educational, Scientific and Cultural Organization (UNESCO) Office in Cairo
- 16:45 End of Day 3

Friday, 9 December 2016

Session VII Integrated Vulnerability Assessment – Part B

Moderator: Ms. Carol Chouchani Cherfane, ESCWA

- 8:30 – 9:00 Summary of Main Findings on Vulnerability Hotspots from Session V
- Mr. Matthias Bartels, Programme Coordinator, Adaptation to Climate Change in the Water Sector in the MENA Region (ACCWaM), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)
 - Discussion
- 9:00 – 9:45 Infrastructure and Human Settlements: Inland Flooding
- Mr. Ihab Jnad and Ms. Hiam Al-Ashkar, ACSAD
 - Comments by peer reviewers
- 9:45 – 10:30 People: Water available for drinking
- Ms. Marlene Tomaszewicz, ESCWA
 - Comments by peer reviewers

Friday, 9 December 2016

- 10:30 – 11:15 People: Human health due to heat stress
- Ms. Marlene Tomasziewicz, ESCWA
 - Comments by peer reviewers
- 11:15 – 12:15 Rich Coffee Break (Prayer Break)
- 12:15 – 13:30 People: Employment in the agricultural sector
- Ms. Marlene Tomasziewicz, ESCWA
 - Comments by peer reviewers
- 13:30 – 14:15 Review of Regional Vulnerability Hotspots
- Mr. Ihab Jnad, ACSAD
 - Comments by peer reviewers
 - Identification on key conclusions
- 14:15 – 14:30 Closing Statements
- Mr. Matthias Bartels, GIZ
 - Mr. Ihab Jnad, ACSAD/LAS
 - Ms. Carol Chouchani Cherfane, ESCWA
- End of Peer Review Meeting
- 14:30 – 15:00 Lunch Break / Light Coffee Break

Closed Session: RICCAR Partners Roundtable Meeting

*Facilitators: Ms. Carol Chouchani Cherfane, ESCWA
Ms. Joelle Comair, ESCWA*

- 15:00 – 16:00 Stocktaking of Peer Review Conclusions
- Tour de table feedback
- 16:00 – 17:00 Next Steps
- Review of work plan
 - Review of outline
 - Review of draft report
 - Review of tasks and responsibilities
 - Preparations for closing conference
- 17:00 End of Partners Roundtable Meeting