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Economic and Social Commission for Western Asia

Second Jordanian National Workshop on AquaCrop for Irrigation Water Management
Kempinski Hotel, Amman, Jordan, 15 – 19 December 2019

Agenda

Day 1: Sunday, 15 December 2019

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| 08:30 – 09:00 | Registration |
| 09:00 – 09:15 | Welcome Statement by ESCWA & ACSAD |
| 09:15 – 10:30 | <p>On-the-Job Training on Use of AquaCrop for Irrigation Water Management:
Case Study 1</p> <ul style="list-style-type: none"> • Mr. Ihab Jnad, Head of Water Resources Department, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD) • Mr. Mazen Naaman, Water Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD) |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 13:00 | <p>On-the-Job Training on Use of AquaCrop for Irrigation Water Management:
Case Study 1</p> <ul style="list-style-type: none"> • Mr. Ihab Jnad, Head of Water Resources Department, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD) • Mr. Mazen Naaman, Water Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD) |
| 13:00 – 14:00 | Lunch Break |
| 14:00 – 15:30 | <p>On-the-Job Training on Use of AquaCrop for Irrigation Water Management:
Case Study 2</p> <ul style="list-style-type: none"> • Mr. Ihab Jnad, Head of Water Resources Department, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD) |

- Mr. Mazen Naaman, Water Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)

Wrap up of Day 1

Day 2: Monday, 16 December 2019

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|---------------|---|
| 09:00 – 10:30 | <p>On-the-Job Training on Use of AquaCrop for Irrigation Water Management: Case Study 2</p> <ul style="list-style-type: none"> • Mr. Ihab Jnad, Head of Water Resources Department, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD) • Mr. Mazen Naaman, Water Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD) |
| 10:30 – 11:00 | <p><i>Coffee Break</i></p> |
| 11:00 – 12:30 | <p>On-the-Job Training on Use of AquaCrop for Irrigation Water Management: Case Study 3</p> <ul style="list-style-type: none"> • Mr. Ihab Jnad, Head of Water Resources Department, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD) • Mr. Mazen Naaman, Water Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD) |
| 12:30 – 13:00 | <p>On-the-Job Training on Use of AquaCrop for Irrigation Water Management: Case Study 3</p> <ul style="list-style-type: none"> • Mr. Ihab Jnad, Head of Water Resources Department, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD) • Mr. Mazen Naaman, Water Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD) |
| 13:00 – 14:00 | <p><i>Lunch Break</i></p> |
| 14:00 – 15:30 | <p>Using AquaCrop for the Assessment of the Impact of Climate Change on Crop Yields</p> <ul style="list-style-type: none"> • Mr. Ihab Jnad, Head of Water Resources Department, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD) • Mr. Mazen Naaman, Water Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD) |

Wrap up of Day 2

Day 3: Tuesday, 17 December 2019

- 09:00 – 10:30 Using AquaCrop for the Assessment of the Impact of Climate Change on Crop Yields
- Mr. Ihab Jnad, Head of Water Resources Department, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
 - Mr. Mazen Naaman, Water Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
- 10:30 – 11:00 **Coffee Break.**
- 11:00 – 12:00 Using AquaCrop for the Assessment of the Impact of Climate Change on Crop Yields
- Mr. Ihab Jnad, Head of Water Resources Department, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
 - Mr. Mazen Naaman, Water Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
- 12:00 – 13:00 General review of RICCAR
- Ms. Hiam Alashkar, GIS Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
 - Mr. Gazwan Naser, GIS Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
- 13:00 – 14:00 **Lunch Break**
- 14:00 – 15:30 Working with Vector and Raster Data
- Ms. Hiam Alashkar, GIS Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
 - Mr. Gazwan Naser, GIS Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)

Wrap up of Day 3

Day 4: Wednesday, 18 December 2019

- 09.00 - 10.00 Introduction to NetCDF and Multidimensional Tools
Create Raster Files from NetCDF Files
- Ms. Hiam Alashkar, GIS Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
 - Mr. Gazwan Naser, GIS Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)

- 10:00 – 10:30 ***Coffee Break***
- 10:30 – 11:30 Create Tabular Time Series Data
- Ms. Hiam Alashkar, GIS Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
 - Mr. Gazwan Naser, GIS Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
- 11:30 – 13:00 Using Model Builder to Create Time Series Data
- Ms. Hiam Alashkar, GIS Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
 - Mr. Gazwan Naser, GIS Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
- 13:00 – 14:00 ***Lunch Break***
- 14:00 – 15:30 Using Model Builder to Create Time Series Data
- Ms. Hiam Alashkar, GIS Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
 - Mr. Gazwan Naser, GIS Expert, Arab Center for the Studies of Arid Zones and dry Lands (ACSAD)

Wrap up of day 4

Day 5: Thursday, 19 December 2019

- 09:00 – 10:30 Create Multi Time Slices from NetCDF File
- Ms. Hiam Alashkar, GIS Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
 - Mr. Gazwan Naser, GIS Expert, Arab Center for the Studies of Arid Zones and ry Lands (ACSAD)
- 10:30 – 11:00 ***Coffee Break***
- 10:00 – 12:00 Using Spatial Analyst Tool to Create Ensamples
- Ms. Hiam Alashkar, GIS Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
 - Mr. Gazwan Naser, GIS Expert, Arab Center for the Studies of Arid Zones and dry Lands (ACSAD)
- 12:00 – 13:00 Climate Data Resampling
- Ms. Hiam Alashkar, GIS Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
 - Mr. Gazwan Naser, GIS Expert, Arab Center for the Studies of Arid Zones and dry Lands (ACSAD)

13:00 – 14:00 ***Lunch Break***

14:00 – 15:30 Climate Data Interpolation

- Ms. Hiam Alashkar, GIS Expert, Arab Center for the Studies of Arid Zones and Dry Lands (ACSAD)
- Mr. Gazwan Naser, GIS Expert, Arab Center for the Studies of Arid Zones and dry Lands (ACSAD)

Closing Session