

**JordanCap: Jordan Water Project (JWP) – Capacity Building Workshop 1**  
**Schedule Week 1, 8-12 July 2018**

	<b>Sunday, July 8</b>	<b>Monday, July 9</b>	<b>Tuesday, July 10</b>	<b>Wednesday, July 11</b>	<b>Thursday, July 12</b>
09.00 – 09.25		Warm-Up & Recap	Warm-Up & Recap	Warm-Up & Recap	Warm-Up & Recap
09.25 – 09.30	Break	Break	Break	Break	Break
09.30 – 10.15	Introduction of Workshop Participants	Water Sector Challenges: Model Implementation	The JWP Model: Potential Scenario Customization	Economic Modeling: JWP Consumer Agents	Introduction to Agent-based Modeling (ABM)
10.15 – 10.30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
10.30 – 11.15	Introduction 1: Jordan Water Project JWP Model	JWP Model Results: Water Security	Model Customization: Scenario Discussion 1	Economic Modeling: JWP Consumer Agents	Introduction to Agent-based Modeling (ABM)
11.15 – 11.30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
11.30 – 12.15	Introduction 2: JordanCap Program Contents	JWP Result Analyses: Economic Perspectives	Model Customization: Scenario Discussion 2	Economic Modeling: JWP Consumer Agents	<i>Practical Training: ABM Model Examples</i>
12.15 – 13.30	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13.30 - 14.30	Discussion of Participant Objectives	<i>Practical Training: Techn. Setup &amp; Introduction in R</i>	<i>Belmont Forum FUSE Project Presentation</i>	<i>Practical Training: Demand Functions in R</i>	<i>Practical Training: ABM Model Examples</i>
14.30 – 15.30	Time for Individual Questions				

Helmholtz UFZ Lecture Team: Christian Klassert ([christian.klassert@ufz.de](mailto:christian.klassert@ufz.de)),  
 Heinrich Zozmann ([heinrich.zozmann@ufz.de](mailto:heinrich.zozmann@ufz.de)), Marwan Shamekh (intern)

*Date: 04.07.2018*

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**JordanCap: Jordan Water Project (JWP) – Capacity Building Workshop 1**  
**Schedule Week 2, 15-19 July 2018**

	<b>Sunday, July 15</b>	<b>Monday, July 16</b>	<b>Tuesday, July 17</b>	<b>Wednesday, July 18</b>	<b>Thursday, July 19</b>
09.00 – 09.25	Warm-Up & Recap	Warm-Up & Recap	Warm-Up & Recap	Warm-Up & Recap	Warm-Up & Recap
09.25 – 09.30	Break	Break	Break	Break	Break
09.30 – 10.15	Economic Modeling: JWP Producer Agents	Economic Modeling: Equilibrium	JWP Result Analyses: Econ. of Public Goods	The JWP Model: Potential Intervention Customizing	Workshop Wrap-Up: Feedback & Next Steps
10.15 – 10.30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
10.30 – 11.15	Economic Modeling: JWP Producer Agents	JWP Result Analyses: Welfare Economics	JWP Result Analyses: Econ. of Externalities	Model Customization: Intervention Discussion 1	<i>Practical Training: Python Introduction</i>
11.15 – 11.30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
11.30 – 12.15	Economic Modeling: JWP Model: Supply & Demand	<i>Practical Training: ABM Tutorial</i>	JWP Result Analyses: Intervention Analysis	Model Customization: Intervention Discussion 2	<i>Practical Training: JWP Model Maintenance</i>
12.15 – 13.30	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13.30 - 14.30	<i>Practical Training: Computational Statistics</i>	<i>Practical Training: ABM Tutorial</i>	<i>Practical Training: Visualization in R</i>	<i>Practical Training: Python &amp; PyCharm Setup</i>	<i>Practical Wrap-Up: Analysis Task Preparation</i>
14.30 – 15.30	Time for Individual Questions				

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Federal Ministry  
 for the Environment, Nature Conservation  
 and Nuclear Safety



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