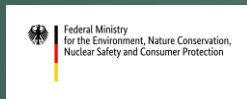


Focus and Discourse on Organic Waste: Jordan and Egypt

SUNDAY OCTOBER 15, 2023

JORDAN UNIVERSITY OF SCIENCE & TECHNOLOGY



THIS PROJECT IS FUNDED BY THE GERMAN FEDERAL ENVIRONMENT MINISTRY'S ADVISORY ASSISTANCE PROGRAMME (AAP) FOR ENVIRONMENTAL PROTECTION IN THE COUNTRIES OF CENTRAL AND EASTERN EUROPE, THE CAUCASUS AND CENTRAL ASIA, AND OTHER COUNTRIES NEIGHBORING THE EUROPEAN UNION. IT IS SUPERVISED BY THE GERMAN ENVIRONMENT AGENCY (UBA). THE RESPONSIBILITY FOR THE CONTENT OF THIS PUBLICATION LIES WITH THE AUTHORS.

Problem Definition & Objectives



Jordan and Egypt both face the challenge of **organic waste** comprising **more than 50%** of their solid waste streams.

Landfilling and dumping are the primary disposal methods.

- The Objectives include the introduction of a **circular economy** approach with a specific focus on organic waste
- Benefits including:
 - ❑ Making **value-added products**,
 - ❑ Decrease of **methane emissions** and **leachate** from landfills,
 - ❑ Substantial contributions to the Sustainable Development Goals (**SDGs**), the Global Methane Pledge,
 - ❑ Creation of **green job opportunities**, etc.



Focus and Discourse on Organic Waste



- A project **funded by** the Advisory Assistance Program (**AAP**) of the Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (**BMUV**) of Germany and will be **supervised by** the German Environment Agency (**UBA**).
- The project is a collaborative effort involving **research institutions**, namely the University of Rostock in Germany, the Egypt Solid Waste Management Center of Excellence, and the University of Science and Technology in Jordan.

Project Duration : 2 years & 4 months from 01 October 2023 to 28 February 2026

Project Objectives



- Facilitate the **development of comprehensive policies and strategies** for planning and implementing organic waste management systems.
- In Egypt and Jordan, the **main beneficiaries** are Ministry of Environment in Jordan, Waste Management Regulatory Authority in Egypt.
- Beneficiaries are also **decision-makers and experts** of the Waste Management Regulatory Authority (WMRA) and national and regional stakeholders in charge of organic waste, and **circular economy** (administration, municipalities, academia, private sector, international agencies, etc.).
- The advisory assistance also **targets educational staff and students** specializing in environmental programs, particularly at the project partners Ain Shams University in Cairo and Jordan University of Science & Technology.

Project Kick-off Meeting



Prof. Hani Abu Qdais

Civil Engineering Department
Jordan University of Science and
Technology
Irbid-Jordan



HE Dr. Mohammad AlKhashshsneh

Secretary General, Ministry of
Environment, Amman, Jordan



Mrs. Anja Schwetje

Senior Scientific Officer of the
German Environment Agency
(UBA), Germany



PD Dr. Eng. Abdallah Nassour

Department of Waste and
Resource Management, University
of Rostock, Germany

Kick-Off Session Program



Prof. Hani Abu-Qdais

11:00-11:15

*Welcome and moderation
Open discussion*

12:15-13:00

Wrap-up

HE Dr. Mohammad AlKhashashneh

11:15-11:35

*Organic Waste Management
in Jordan: Current Status and
Future Perspectives*

Mrs. Anja Shweti

11:35-11:55

*Germany's Advisory Assistance
Program*

PD Dr. Eng. Abdallah Nassour

11:55-12:15

*Focus and Discourse on
Organic Waste: Jordan and
Egypt*

Project Kick-off Meeting – Biography of Moderator & Panelists



Prof Hani Abu Qdais

Civil Engineering Department
Jordan University of Science &
Technology

Dr. Hani Abu Qdais is a Professor of Environmental Engineering at the Civil Engineering Department of Jordan University of Science and Technology (JUST). He has obtained his PhD. From University of Newcastle, UK. Having more than 30 years of diverse experience in public, private and academic sectors, Dr. Abu Qdais has obtained more than 3 million US\$ of fund for his research and consultation projects. He has published more than 60 papers in international refereed journals and proceedings of international conferences (H Index: Scopus = 23, Google Scholar = 30). Most of his publications are focusing on sustainable waste treatment and management, Waste to energy, Climate change and Circular Economy. In 2021, 2022 and 2023 Professor Abu-Qdais was listed among the World's top 2% Scientist by Stanford University. Furthermore, he has been awarded Shoman award for Arab Scientist in the field of Waste Management in 2015. Prof. Abu Qdais has served as a consultant for several national and international agencies, such as the Ministry of Local Administration, Ministry of Environment, UNDP, GIZ, USAID, WHO, IDRC, FAO, SIDA, EU and projects funded by the World Bank.

Project Kick-off Meeting – Biography of moderator & Panelists



**HE DR. Mohammad Al
Khashashneh**

Speaker

**Secretary General, Ministry of
Environment, Irbid Jordan**

Brief CV OF HE DR.KHASHAHNEH

Project Kick-off Meeting – Biography of Moderator & Panelists



Mrs. Anja Schweti
Speaker

German Environment Agency,
Dessau-Rosslau, Germany

Anja Schwetje is a Senior Scientific Officer of the German Environment Agency (UBA) in the Section III 2.4 'Waste Technology, Waste Technology Transfer' and since 2014 responsible for topics on waste with a nexus to climate protection and methane emission reduction. She is the one of the Co-Leads of the Waste Hub of the Climate and Clean Air Coalition (CCAC), Vice-Chair of the Working Group on Climate Change and Waste Management of the International Solid Waste Association (ISWA), Co-Chair of the Working Group on Organic Waste of the PREVENT Waste Alliance and an active member of the Global Methane Initiative (GMI), the German RETech Partnership and others. By profession a process engineer, she has more than 30 years of international experience in waste management and circular economy, and more than 20 years in advising governments, administrations and private sector, especially in accession countries and the EU-neighborhood.

Project Kick-off Meeting – Biography on Moderator & Panelists



PD Dr. Eng. Abdallah Nassour
Member

Department of Waste and
Resource Management, University
of Rostock, Germany

Dr. Abdallah Nassour is an associate professor at the Professorship of Waste and Resource Management of the University of Rostock. He got his doctorate degree in 2005 on the subject “Approaches to reform the waste management in developing countries”. He has worked in the field of waste management since 1995 mainly dealing with developing countries in the MENA-Region of Tunisia, Jordan, Egypt, Algeria, Kuwait, Algeria, Libya, etc. He has 28 years of practical experience in solid waste management and a circular economy. Since 1995, he has been scientific consulting for politics, municipalities, companies, and education in sustainable solutions for solid waste management (laws, organization, financing, techniques, etc.). The focus of his experience lies in the areas of policy, laws, organization, financing of waste management, and knowledge transfer between Germany and the Arab regions. He created the German-Mena Universities Network in waste management in circular economy.

Welcome & Moderation – Scope

by Prof. Hani Abu Qdais



IMPROVE

- Higher/University education related to organic waste management to support sector development in both, Egypt and Jordan.

PROMOTE

- National-level coordination and strengthen the regional experience exchange on waste management and related aspects.

ENABLE

- The local and regional beneficiaries and stakeholders, especially WMRA and the Ministry of Environment (Jordan) to cooperate across sectors and in the nexus of methane reduction, climate adaptation, or urban planning.

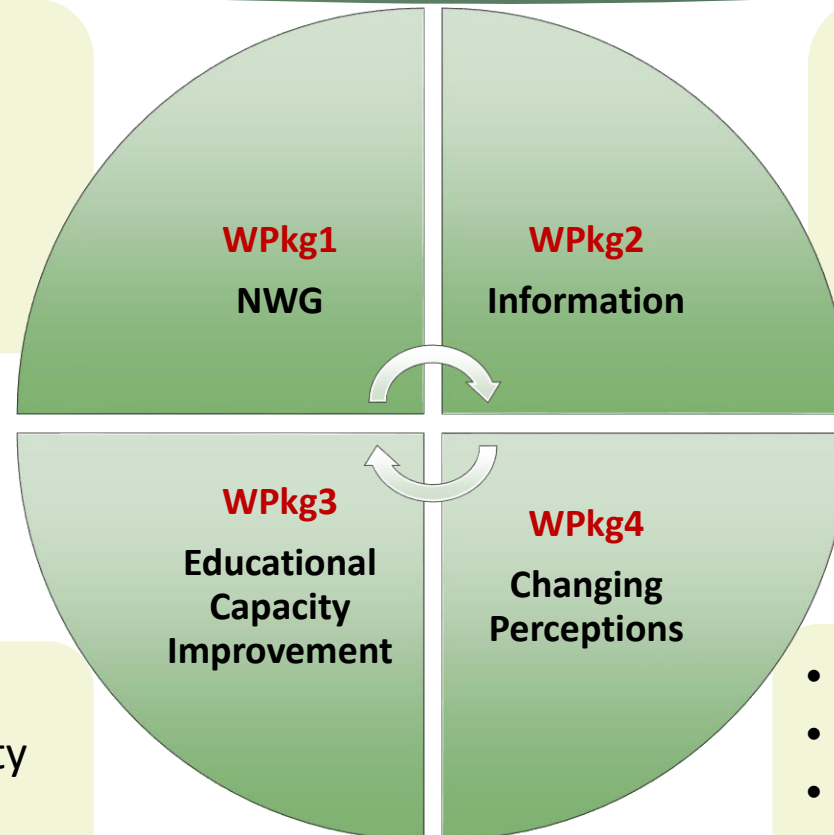
SHARE

- Information for all stakeholders especially WMRA and the Ministry of Environment (Jordan) in order to change the perception and attitude on organic waste management and ultimately the transition from traditional landfilling to more sustainable options.

Welcome & Moderation - Planned Activities

by Prof. Hani Abu Qdais

- Form a national working group (NWG),
- Identify focal points,
- Identify roles & responsibilities



- Desktop Research to:
 - *Analyze the value chain of organic waste*
 - *Fill data gaps*
 - *Surveys and field work*
- Report the baseline situation
- Identify research opportunities

- Collaborative efforts, lectures and educational sessions from University Professors in Germany, Egypt & Jordan

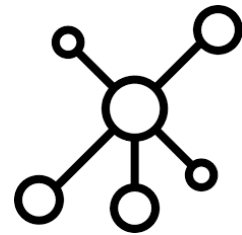
- Study tour
- National & international conferences
- National guidelines development
- Report of findings

Welcome & Moderation – Expected outputs

by Prof. Hani Abu Qdais



Established national-level **network**, able to coordinate and improve Organic Waste Management (OWM)



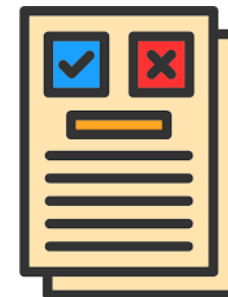
Available university **education** OMW material



Develop related **Cross sectorial Aspects** (methane reduction, climate adaptation)



Forming **polices, strategies and guidelines** to reduce/ban OW landfilling and promote material & energy recovery





Thank you