



3rd NEXUS Conference

Green to Grow in Water, Energy, Food,
Environment, and Solid Waste

Coordinate • Collaborate • Co-create

Under the Patronage of His Royal Highness
Prince El Hassan bin Talal

March 5 - 6, 2024
Movenpick Hotel, Amman - Jordan



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Welcoming Words by University of Jordan

It is with great pleasure and enthusiasm that I extend a warm welcome to all participants of the 3rd NEXUS Conference: Green to Grow in Water, Energy, Food, Environment, and Solid Waste. Hosted by the University of Jordan, this conference serves as a pivotal platform for fostering dialogue and collaboration among diverse sectors crucial to our nation's well-being.

As we gather at Mövenpick Hotel Amman on March 5-6, 2024, under the esteemed patronage of His Royal Highness Prince El Hassan Bin Talal, we embark on a journey to address Jordan's challenges in water, energy, food, environment, and solid waste. This event follows the successful organization of the first and second NEXUS conferences, reflecting our commitment to advancing dialogue and implementing mutually benefiting solutions for sustainable development.

I extend my sincere gratitude to our supporter, the GIZ (German Development Cooperation), for their invaluable contributions to this conference. Their partnership reinforces our shared dedication to finding integrated solutions for the interconnected issues of water, energy, food, environment, and solid waste.

May this conference provide a fertile ground for fruitful discussions, knowledge exchange, and the formulation of strategies that will lead us towards a more sustainable and resilient future. I look forward to the insights that will emerge from the diverse gathering of stakeholders, contributing to the enhancement of Jordan's socio-economic and environmental landscape. Thank you for your participation and commitment to the success of the 3rd NEXUS Conference.

Professor Nathir Obeidat
President,
The University of Jordan (UJ)



Welcoming Words by Organizing Committee

On the behalf of the organizing committee of the 3rd National Water, Energy, Food and Environment Nexus, I am delighted to extend a heartfelt welcome to each one of you to the conference. Under the gracious patronage of His Royal Highness Prince El Hassan Bin Talal, we convene in Amman to explore the vital connections between water, energy, food, environment, and waste management, emphasizing the integration of these sectors to address Jordan's challenges. This conference signifies our collective commitment to sustainable development.

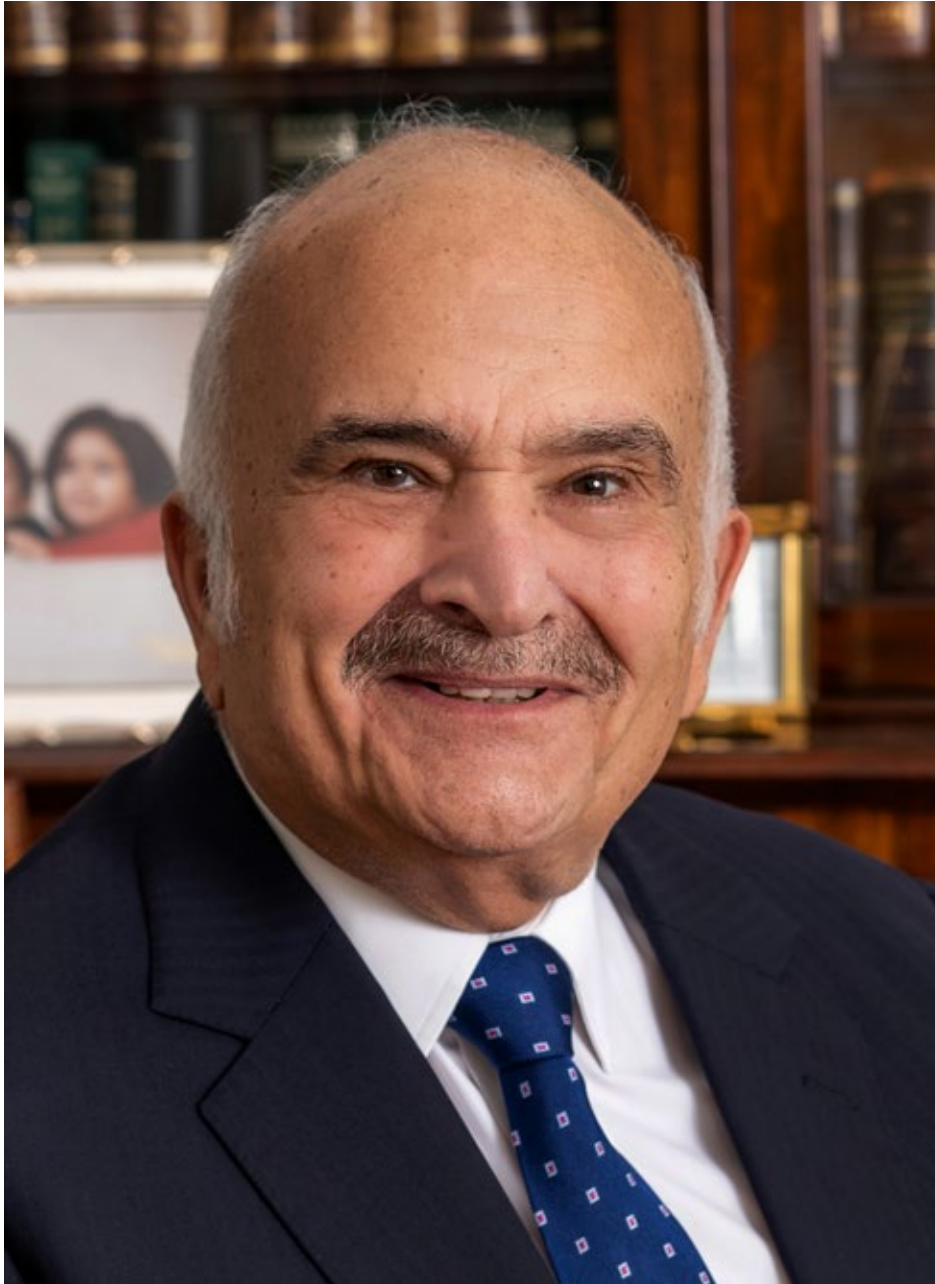
Through discussions, idea exchanges, and best practice showcases, we aim to enhance resilience and promote sustainability. Our agenda promotes collaboration and innovation, paving the way for transformative solutions. We are honored to host a diverse group of policymakers, academics, practitioners, and global experts in our multidisciplinary dialogue. Your contributions are key to advancing our goals.

We extend our gratitude to the GIZ (German development Cooperation) for their valuable support in making this conference possible. Their commitment to sustainable development aligns perfectly with the objectives of our conference. Special thanks to Dr. Louy Qoaider for his tremendous efforts in leading Nexus efforts and support toward creating Nexus framework in Jordan. Thank you for your participation, which is vital to achieving a more sustainable and prosperous Jordan.

Chairman of the Conference Organizing Committee

Prof. Ahmed Al Salaymeh





Foreword of HRH Prince El Hassan Bin Talal

The Establishment of a Water, Energy, Food, and Environment (WEFE) Nexus – whereby resources are jointly managed at a supranational level – holds the potential to achieve a more prudent utilisation of these vital resources.

Such an initiative could serve as a catalyst for regional reconciliation and socio-economic development.

Prince El Hassan Bin Talal



Symbolic Insights

Understanding Water, Environment, Food, and Energy

Water

Empowering communities with equitable access to clean water sources and pioneering conservation methods to tackle Jordan's water scarcity challenges sustainably.

Food

Promoting sustainable agriculture practices and fostering resilient food systems to combat hunger and malnutrition while preserving natural resources.



Energy

Leading the charge in renewable energy innovation and fostering collaborative efforts across borders to guarantee dependable and cost-effective energy solutions for every citizen of Jordan.

Environment

Committing to the preservation of Jordan's rich biodiversity, proactively addressing climate change impacts, and advocating for eco-conscious policies to fortify the resilience of Jordan's distinctive ecosystems.

The 3rd NEXUS Conference

Under the patronage of H.R.H. Prince Hassan Bin Talal and organised by the University of Jordan, the NEXUS Conference in its third version emphasizes the impact and opportunities found in adopting the NEXUS approach within the WEF (Water, Energy, Food, Environment) sectors. The conference is supported by the German Government and their implementing agency Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ).

This year's conference will be a follow-up to the first and second NEXUS Conferences in 2019 and 2021 that were successfully organized by the University of Jordan and under the patronage of the Prime Minister. While the previous two high-level conferences on "Water-Energy Nexus" have provided a platform for political dialogue and exchange between various stakeholders and experts from the water and energy sectors, the third version comes in response to the emerging need to further enhance the dialogue and cooperation between all WEF sectors Integrating the additional relevant sectors such as environment and agriculture.

Over a period of two days, various sessions, discussion panels, workshops, and speeches by high-expertise professionals from the WEF fields will fall under this year's conference theme of 'Green to Growth in Water, Energy, Food, Environment, and Solid Waste'.

The Third NEXUS Conference provides the perfect place for high-level decision makers, professionals, experts, academics, and students from the WEF fields to network and obtain deeper insight on WEF NEXUS-related topics; technically, theoretically, politically, and socially.



WEFE Nexus Conference Objectives

Coordinate

To ensure the sustainability of the WEFE nexus, governments can integrate policies and strategies across all four sectors, focusing on resource allocation and management, and developing sector-specific goals that align with broader sustainability objectives.

Collaborate

Collaborative partnerships among governments, industries, and communities are essential for addressing the complex challenges of the WEFE nexus. These partnerships can enable collaborative research and data sharing, promote capacity building and training, and facilitate the sharing of expertise. By working together, we can develop and implement sustainable solutions that meet the needs of all sectors and stakeholders.

Co-create

Co-creating solutions with communities and stakeholders affected by WEFE Nexus issues is essential for sustainable management. By empowering local communities and engaging in co-creative policy development, we can ensure that solutions are context-specific and representative of the needs of all stakeholders.



The Conference Agenda





DAY 1

5th of March 2024

Conference Registration and Welcoming Coffee

09:00 – 10:00

Opening Session

10:00 – 10:30

- Welcome by the chairman of the organizing committee, **Prof. Ahmed Al-Salaymeh**, The University of Jordan
- Welcome by **H.E. Dr. Florian Reindel**, Chargé d'Affaires and Acting Ambassador of the Federal Republic of Germany
- Welcome by **H.E. Prof. Nathir Obeidat**, President of The University of Jordan

SESSION 1

10:30 – 13:00

Ministerial Panel Discussion on WEF NEXUS Challenges and Prospective

- **H.E. Ms. Zeina Toukan**, Minister of Planning and International Cooperation
- **H.E. Eng. Raed Abu Al-Soud**, Minister of Water and Irrigation
- **H.E. Dr. Muawieh Radaideh**, Minister of Environment
- **H.E. Dr. Yousef Al Shawarbeh**, Mayor of Amman
- **H.E. Eng. Zeyad Al Saaydeh**, Chief Commissioner & CEO of Energy and Minerals Regulatory Commission
- **H.E. Eng. Mohammad AlHeari**, Secretary General of the Ministry of Agriculture
- **H.E. Eng Osama Kan'an**, Secretary General for Technical Affairs, Ministry of Local Administration

Keynote speech by

HRH Prince El Hassan Bin Talal

WEFE NEXUS Ambition and necessity for Jordan

Lunch

13:00 – 14:30



DAY 1

5th of March 2024

SESSION 2

14:30 – 16:00

SESSION 2/A

Integrated WEF NEXUS Governance in Jordan
Drivers and benefits



Main hall

SESSION 2/B

Integrated Integrated Landfill Management



Amman 1

SESSION 3

16:00 – 17:30

SESSION 3/A

WEFE NEXUS Priorities in Jordan



Main hall

SESSION 3/B

Composting



Amman 1



DAY 2

6th of March 2024

Registration

09:00 – 09:30

SESSION 4

09:30 – 11:30

SESSION 4/A

Drivers for a Green Transition



Amman 2

SESSION 4/B

Recycling and Business Models



Amman 3

Coffee break and networking

11:30 – 12:00

SESSION 5

12:00 – 14:00

SESSION 5/A

**NEXUS Approach in Industrial Sector
Development in Jordan**



Amman 2

SESSION 5/B

**Resources Recovery/Cost
Recovery**



Amman 3



DAY 2

6th of March 2024

Lunch

14:00 – 15:00

SESSION 6

15:00 – 17:00

SESSION 6/A

NEXUS Approach towards Food Security



Amman 2

SESSION 6/B

Green hydrogen needs Nexus Approach



Amman 3

END OF CONFERENCE

Opening session

**Welcome by the chairman of the organizing committee, Prof. Ahmed Al-Salaymeh,
The University of Jordan**

**Welcome by H.E. Dr. Florian Reindel, Chargé d'Affaires and Acting Ambassador of
the Federal Republic of Germany**

Welcome by H.E. Prof. Nathir Obeidat, President of The University of Jordan



Session 01

Ministerial Panel Discussion on WEFE NEXUS Challenges and Prospective

This session aims to examine the current state of the Water-Energy-Food-Environment (WEFE) and solid waste sectors, analyzing the challenges, significant nexus interactions and opportunities within these areas.

Furthermore, it will explore the newly endorsed Nexus Governance Framework and its potential impact on improving integration, leveraging synergies, ensuring policy coherence and promoting sustainable development in these sectors.

- *H.E. Ms. Zeina Toukan, Minister of Planning and International Cooperation*
- *H.E. Eng. Raed Abu Al-Soud, Minister of Water and Irrigation*
- *H.E. Dr. Muawieh Radaideh, Minister of Environment*
- *H.E. Dr. Yousef Al Shawarbeh, Mayor of Amman*
- *H.E. Eng. Zeyad Al Saaydeh, Chief Commissioner & CEO of Energy and Minerals Regulatory Commission*
- *H.E. Eng. Mohammad AlHeari, Secretary General of the Ministry of Agriculture*
- *H.E. Eng Osama Kan'an, Secretary General for Technical Affairs, Ministry of Local Administration*

Keynote speech by

HRH Prince El Hassan Bin Talal

WEFE NEXUS Ambition and necessity for Jordan

NEXUS Sessions

Click for session details

- 2/A Integrated WEF NEXUS Governance in Jordan-Drivers and benefits 
- 3/A WEF NEXUS Priorities in Jordan 
- 4/A Drivers for a Green Transition 
- 5/A NEXUS Approach in Industrial Sector Development in Jordan 
- 6/A NEXUS Approach towards Food Security 
- 6/B Green hydrogen needs Nexus Approach 

Solid Waste Management Sessions

Click for session details

2/B Integrated Landfill Management 

3/B Composting 

4/B Recycling and potential engagement of the private sector/ Business opportunities 

5/B Resources Recovery/Cost Recovery 

2/A

Integrated WEFE NEXUS Governance in Jordan-Drivers and Benefits



Moderator: Dr. Bassel Daher

Main hall

The session aims to explore the governance of the Water, Energy, Food, and Environment (WEFE) NEXUS in Jordan.

It focuses on examining barriers and drivers for establishing an integrative framework to manage resources and protect the climate.

The session highlights national efforts to improve WEFE NEXUS governance and facilitates a dialogue on enhancing cross-sectoral strategy coherence, including the potential role of a dedicated WEFE governance structure.

Time	Topic	Speaker
14:30 - 14:45	Introducing the WEFE Nexus: Framing the Imperative for Integrated Governance	Dr. Bassel Daher
14:45 - 15:00	International WEFE NEXUS Governance Examples and lessons learned.	Dr. Nadejda Komendantova
15:00 - 15:15	Introduction of the New WEFE NEXUS governance framework in Jordan and the link to the Public Sector Modernization	Eng. Widad Qutaishat
15:15 - 16:00	Panel Discussion	
	<ul style="list-style-type: none">• H.E. Dr. Jihad Mahamid• Eng. Widad Qutaishat• Mr. Ahmad Al Hawyan• Eng. Yacoub Marar• Eng. Talal Judeh	

Session 2/A - Participants



Dr. Bassel Daher

Research Scientist, Texas A&M Energy Institute; Research Fellow-Institute for Science, Technology, and Public Policy-Texas A&M University



Dr. Nadejda Komendantova

Senior Research Scholar, The International Institute for Applied Systems Analysis



Eng. Widad Qutaishat

Director of the Project Management and Implementation Office (PMIO) for Public Sector Modernization at the Prime Ministry



H.E. Dr. Jihad Saleh Al Mahamid

Secretary General of the Ministry of Water and Irrigation in Jordan



Mr. Ahmad Al Hawyan

Public Investment Management Unit Director



Eng. Yacoub Marar

Director of Renewable Energy and Energy Efficiency Department – Jordan Ministry of Energy and Mineral Resources



Eng. Talal Judeh

Head of water and environment Division at Ministry of Agriculture
Focal point of NEXUS at MoA

3/A

WEFE NEXUS Priorities in Jordan



Moderator: Dr. Majd Al Naber

Main hall

This session aims to highlight strategic priorities in Jordan, particularly regarding the WEFE (Water-Energy-Food-Ecosystems) Nexus.

It seeks to examine the connection between transitioning to a green economy and the WEFE NEXUS, as a pathway to achieving sustainable development objectives.

Additionally, the session aims to identify key enablers and public plans in the WEFE sectors to achieve projected strategic development ambitions.

Time	Topic	Speaker
16:00 - 16:15	Integrating Water, Energy, and Food for Sustainable Development: Current Status, Challenges, and Opportunities	Dr. Majd Al Naber
16:15 - 16:30	Assessment of current WEFE Policies and prospective for integrated policy making	Dr. Eyad Batarseh
16:30 - 16:45	The Economic Modernization Vision: Navigating the Path	Mr. Mohannad Rawashdeh
16:45 - 17:00	Green Growth National Action Plans for WEFE Sectors	Eng. Belal Shaqarin
17:00 - 17:30	Panel Discussion	
	<ul style="list-style-type: none">• Mr. Mohannad Rawashdeh• Eng. Belal Shaqarin• Dr. Eyad Batarseh• Prof. Ahmed Alsalaymeh	

Session 3/A - Participants



Dr. Majd Al Naber
Director General for the WANA
Institute and the Director of
Science for Society Center at
the Royal Scientific Society



Dr. Eyad Batarseh
Managing Director of Scientific
Sustainable Vision (SSV)
consulting firm.



Mr. Mohannad Rawashdeh
Deputy Director of the Prime Minister's
Delivery Unit (PMDU)



Eng. Belal Shaqarin
Director of Climate Change
Directorate, Ministry of
Environment



Prof. Ahmed Alsalaymeh
Professor in the field of Renewable
Energy and Climate Change at the
University of Jordan

4/A

Drivers for a Green Transition



Moderator: Eng. Christiana Hageneder

Amman 2

The session will present and discuss Jordan's way towards a green transition, where a nexus thinking is needed. What are the triggers that facilitate the green transition within the context of Jordan.

Exploring the mechanisms that make the green transition feasible for Jordan, for example green financing, highlighting key trends, challenges, and opportunities.

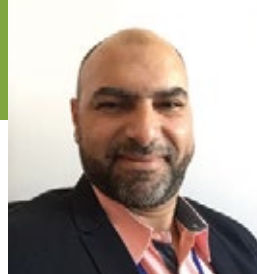
The session will showcase Jordans strategies and efforts that will accelerate the decarbonisation of Jordans infrastructure and economy.

Time	Topic	Speaker
09:30 - 10:00	Green transition in Jordan: overview, progress, and challenges.	Eng. Omar Abu-Eid
10:00 - 10:15	Climate Change, a risk for Jordan's economy	Eng. Belal Shqarin
10:15 – 11:00	Panel Discussion	
	<ul style="list-style-type: none">• Eng. Belal Shqarin• Eng. Omar Abu-Eid• Dr. Laurent Duriez• Eng. Hanna Zaghloul• Dr. Marcus Wishart	
11:00 – 11:30	Q&A	

Session 4/A - Participants



Eng. Christiana Hageneder
Energy/Climate/Environment
Portfolio Head GIZ Jordan



Eng. Omar Abu Eid
EU delegation to Jordan - Energy,
Environment Water, and climate
change



Eng. Belal Shqarin
Director of Climate Change Directorate
at the Ministry of Environment



Dr. Laurent Duriez
Director of the French
Development Agency in Jordan



Eng. Hanna Zaghloul
Board Secretary of EDAMA Association
Energy, Water & Environment



Dr. Marcus Wishart
Lead Water Resource Specialist
Middle East and North Africa

5/A

NEXUS Approach in Industrial Sector Development in Jordan



Moderator: Mr. Batir Wardam

Amman 2

The session will introduce a practical method to implement the NEXUS approach for green transition in Jordan's industrial sector. It's based on the Resource Efficiency and Cleaner Production (RECP) methodology, addressing energy, water, waste, and pollution in industrial processes.

Additionally, tools supporting RECP integration will be highlighted, along with national financing options. This session will bridge the technical tool (RECP) for the NEXUS approach with securing necessary financial resources.

Time	Topic	Speaker
12:00 - 12:30	RECP as a driver for business growth and environmental sustainability, and it's connection to the NEXUS.	Eng. Jehan Haddad
12:30 - 12:45	Q&A	Mr. Batir Wardam
12:45 - 13:30	Panel Discussion	
	Green Financing Challenges and Opportunities for Industries	<ul style="list-style-type: none">• Eng. Lina Mobaideen• Eng. Rami Hammad• Mr. Hisham Shatarat• Ms. Jude Dahdal
13:30 – 13:45	Q&A	Mr. Batir Wardam
13:45 – 13:50	Closing remarks and potential recommendations	Mr. Batir Wardam

Session 5/A - Participants



Mr. Batir Wardam
National Advisor on Green
Economy and Climate Change at
GIZ Jordan



Eng. Jehan Haddad
Manager of Air Studies Division at
the Royal Scientific Society (RSS)



Eng. Lina Younes AL-Mobaideen
Project Development Manager at
Jordan Renewable Energy and Energy
Efficiency Fund (JREEEF)



Eng. Rami Alhassis
Manager of the Industry
Development Fund Management
Unit (FMU) at the Ministry of
Industry, Trade and Supply (MoITS)



Mr. Hisham Shatarat
Policy and Communications Manager
at the Association of Banks in Jordan
(ABJ)



Ms. Jude Dahdal
Sustainability Manager at Bank al
Etihad

6/A

NEXUS Approach towards Food Security



Moderator: H.E. Dr. Reda Al-Khawaldeh

Amman 2

The objective of the session is to enrich the evidence based on WEFE nexus towards food security and community livelihood and enhance knowledge exchange.

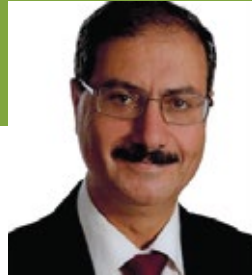
Further, highlighting the national plans and governance, efforts, and endeavors to address food insecurity in Jordan and associated challenges and stressing the role of nexus approach in improving food security.

Time	Topic	Speaker
15:00 - 15:10	National Alliance Against Hunger and Malnutrition	Eng. Muttasim Al-Hayari
15:10 - 17:00	Panel Discussion	
	<ul style="list-style-type: none">• H.E. Dr. Reda Al-Khawaldeh• Dr. Mahmoud Al Rabie• Dr. Walid Abed Rabboh• Dr. Wafa Ramadneh	

Session 6/A - Participants



Eng. Muttasim Al-Hayari
General Coordinator
National Alliance Against Hunger
and Malnutrition (NAJMAH)



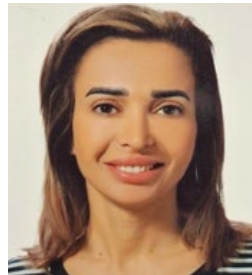
H.E. Dr. Reda Al-Khawaldeh
Prof. of Plant Biotechnology and
Biodiversity
The University of Jordan



Dr. Mahmoud Al Rabie
General Secretary Assistance for
Projects And Rural Development
Ministry of Agriculture



Dr. Walid Abed Rabboh
Chief Policy Advisor with WFP



Dr. Wafaa Alramadneh
Assistant Representative for Food
and Agriculture Organisation of
the United Nations in Jordan

6/B

Green hydrogen needs Nexus Approach



Moderator: Eng. Nooraldeen Balah

Amman 3

The session will be providing introductory information about the different production pathways of green hydrogen and renewable PtX.

It will also shed the light on the potential applications of green hydrogen in the Jordanian and global contexts.

Further, the session will highlight the role of PtX in addressing the WEF E nexus from different dimensions.

Time	Topic	Speaker
15:00 - 16:00	Introduction PtX production pathways	<ul style="list-style-type: none">• Dr. Lutfi Al-Sharif• Dr. Abdelrahman Attili
16:00 - 17:00	Green hydrogen and PtX in the nexus perspective	<ul style="list-style-type: none">• Dr. Lutfi Al-Sharif• Dr. Abdelrahman Attili

Session 6/B - Participants



Eng. Nooraldeen Balah
Energy Advisor at German
Development Cooperation



Dr. Lutfi Al-Sharif
Vice President at Al Hussein
Technical University



Dr. Abdelrahman Al-Attili
Head of Energy Engineering department
at AlHussein Technical University [HTU]
Amman, Jordan

Solid Waste Management Sessions

Click for session details

2/B Integrated Landfill Management 

3/B Composting 

4/B Recycling and potential engagement of the private sector/ Business opportunities 

5/B Resources Recovery/Cost Recovery 

2/B

Integrated Landfill Management



Moderator: Eng. Ammar Abu Drais

Amman 1

This session highlights integrated approaches to waste treatment and landfill management showcasing solutions for reducing the amount of landfill waste. Additionally, this session will introduce MBT experience in the region and locally.

Additionally, the session will highlight global approaches for climate friendly landfills.

By bringing together public and private, national, and international stakeholders, business opportunities for the private sector could be identified.

Time	Topic	Speaker
14:30 – 14:45	Integrated Solid Waste Management in Jordan	Short film
14:45 - 14:55	Integrated Landfill Management	Eng. Alin Schiopu
14:55 - 15:05	Mechanical Biological Treatment (MBT)	Eng. Omar Arabiyat
15:05 - 15:15	Climate Neutral landfills	Eng. Thorsten Sprunk
15:15 - 16:00	Panel Discussion	
	<ul style="list-style-type: none">• Eng. Farah Daoud• Eng. Alin Schiopu• Eng. Omar Arabiyat	<ul style="list-style-type: none">• Eng. Thorsren Sprunk• Eng. Samer Al Zamer

Session 2/B - Participants



Eng. Ammar Abu Drais
General Manager
Green Plans



Eng. Alin Schiopu
Head of Landfill Solutions
Hofstetter Gastechnik



Eng. Omar Arabiyat
Department of Environmental Studies
Director
Greater Amman Municipality



Eng. Thorsten Sprunk
Managing Director
Climate Protection and Circular
Economy



Eng. Farah Dawoud
Head of Landfills and Transfer
Stations Section
Ministry of Local Administration



Eng. Samer Al-Zamer
CEO
Green Industrial Solutions

3/B

Composting



Moderator: Dr. Hani Abu Qdais

Amman 1

This session seeks to present sustainable, cross-sectoral approaches to composting, while identifying viable business models for private investors.

By portraying alternative cheaper sources of water and electricity supply, the session shows how multi-sectoral approaches can lead to a more sustainable management of composting plants.

Linking the session to the agricultural sector also illustrates the contribution of composting to food security in the context of climate change.

Time	Topic	Speaker
16:00 - 16:20	Karak, Irbid and Al Hussinyat compost Facilities	<ul style="list-style-type: none">• Eng. Hazem Abu Mukh• Eng. Mohammed Mayiteh
16:20 - 16:30	Private Sector Operation Model for a Composting Plant	Dr. Florian Kölsch
16:30 - 16:40	Long-term Effects of Organic Fertilizers on Plants in Jordan	Eng. Yahya Mustafa Bani Khalaf
16:40 - 16:50	Solar Energy and Water Desalination for Compost	Eng. Hesham Mikhi
16:50 - 17:30	Panel Discussion	
	<ul style="list-style-type: none">• Eng. Hazem Abu Mukh• Eng. Mohammed Maayiteh• Eng. Yahya Mustafa Bani Khalaf	<ul style="list-style-type: none">• Mr. Ahmad Subih• Mr. Wael Mihiar

Session 3/B - Participants



Dr. Hani Abu Qdais
Professor of Environmental
Engineering at the Civil Engineering
Department
Jordan University of Science and
Technology



Eng. Hazem Abu Mukh
Head of Compost and Sorting
Stations
Greater Irbid Municipality



**Eng. Mohammad Ameen
Alma'ayta**
Head of Solid Waste
Management Unit
Karak Municipality



Dr. Florian Kölsch
General Manager
Dr. Kölsch Geo- und
Umwelttechnik GmbH



**Eng. Yahya Mustafa Bani
Khalaf**
Director of Ramtha Agriculture
Center
Field Crops Research Directorate
National Center for Agricultural
Research NARC



Mr. Ahmad Sobh
Agriculture/ Composting
Specialist
Deutsche Gesellschaft für
Internationale
Zusammenarbeit (GIZ)



Mr. Wael Mihyar
Chairman
Organic Fertilizers
Eco Systems



Eng. Hesham Mikhi
General Manager
Millennium Energy
Industries

4/B

Recycling and potential engagement of the private sector/ Business opportunities



Moderator: Eng. Wa'el Safi

Amman 3

This session will give an overview of the recycling sector in Jordan, potential engagement of the private sector (including the informal sector), circular business models and case studies.

It seeks to show business opportunities for private companies in the recycling sector in Jordan and to elaborate how the enabling environment for investors can be improved.

Time	Topic	Speaker
09:30 - 09:50	Dry Recyclables Overview in Jordan, Sorting Facilities, Potential Business Opportunities	<ul style="list-style-type: none">• Eng. Raeda Oran• Ms. Salam Mughrabi• Eng. Hamzah Alzoubi
09:50 – 10:05	Extended Producer Responsibility (EPR)	Eng. Heba Zablawi
10:05 – 10:20	Al Hussniyat Sorting Facility	Eng. Asma Thekerallah
10:20 – 10:35	Business Models of Recycling in Latin America (online)	Mr. Torsten Lingner
10:35 – 10:50	RETech Activities (online)	Ms. Beatrice Decker
10:45 - 11:30	Panel Discussion	
	<ul style="list-style-type: none">• Eng. Raeda Oran• Ms. Beatrice Decker• Mr. Torsten Lingner• Mr. Obaida Abu Eid	

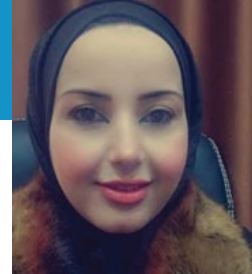
Session 4/B - Participants



Eng. Wa'el Safi
Project Manger
Deutsche Gesellschaft
fürInternationale
Zusammenarbeit (GIZ)



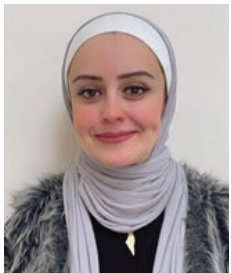
Eng. Raeda Oran
PIU Deputy Director\ Director /
Solid Waste Management
Department
Ministry of Local Administration



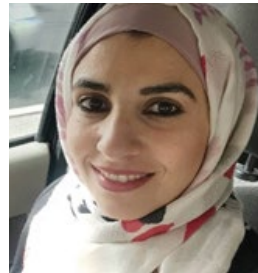
Ms. Salam Almughrabi
Directorate of Planning
Mafraq Municipality



Eng. Hamzah Alzoubi
Head of Health and
Environmental Department
Ramtha Municipality



Eng. Heba Za'balawi
Head of EPR Section
Ministry of Environment



**Eng. Asma
Thekerallah**
HC SWM Project
Manager
Oxfam Jordan



Mr. Torsten Lingner
Planning officer for the
Competence Centre water,
wastewater and waste
Deutsche Gesellschaft
fürInternationale
Zusammenarbeit (GIZ)



Ms. Beatrice Decker
Project Lead
RETech



Mr. Obaida Abu Eid
Jordan Chamber of
Industry

5/B

Resources Recovery/Cost Recovery



Moderator: Eng. Hazem Nazzal

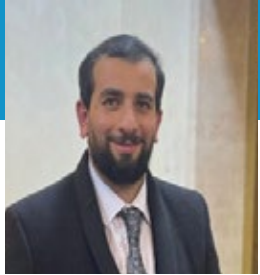
Amman 3

Given the high costs of solid waste management and comparatively low-cost recovery rates, this session will discuss further resources recovery (linked to Session 2B & 3B) and cost recovery options in order to enhance financial viability of the waste management sector in Jordan.

Different approaches including EPR, RDF, and SWM fees will be discussed, pointing out entry points for private sector engagement.

Time	Topic	Speaker
12:00 – 12:25	RDF in Jordan	Eng. Samer Al Zamer
12:25 – 12:45	MoLA's Experiences in the REUSEMED Project	Eng. Farah Daoud
12:45 - 13:05	Solid Waste Management fees	Dr. Hani Abu Qdais
13:05 - 14:00	Panel Discussion	
	<ul style="list-style-type: none">• Eng. Farah Daoud• Dr. Hani Abu Qdais• Eng. Samer Al Zamer	

Session 5/B - Participants



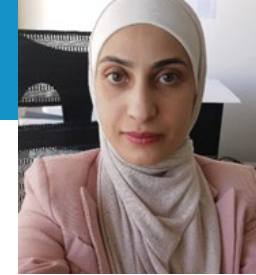
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