

		Distr. LIMITED E/ESCWA/CL1.CCS/2020/WG.8/REPORT; E/ESCWA/CL4.SIT/2020/WG.3/REPORT NOVEMBER 2020 ORIGINAL: ENGLISH
---	---	--

**REPORT**

**EXPERT GROUP MEETING ON “RESOURCE EFFICIENCY IN THE ARAB REGION:  
MONITORING PROGRESS OF SDG 12 AND BUILDING BACK BETTER FROM COVID-19”**

**ONLINE VIRTUAL MEETING, 7-8 OCTOBER 2020**

**Summary**

The United Nations Economic and Social Commission for Western Asia (ESCWA) organized the Expert Group Meeting on “Resource Efficiency in the Arab Region: Monitoring Progress of SDG 12 and Building Back Better from COVID-19” virtually via Kudo during 7-8 October 2020 in collaboration with the League of Arab States and the UN Environment Programme (UNEP). The meeting brought together about 114 representatives of Arab Environment Ministries in charge of SCP, member country representatives to the Technical Committee on Environment as well as senior officials from national statistical offices in the region, in addition to concerned regional institutions, United Nations agencies and relevant experts.

Unsustainable patterns of consumption and production are a primary cause of climate change, and natural resource depletion. Sustainable Consumption and Production (SCP) comes as one of the main responses to those challenges and contributes to environmental protection, enhancing human wellbeing, and achieving sustainable development. The meeting reviewed SCP status in the Arab States and actions towards a green economic recovery from COVID-19. It also focused on importance of addressing unsustainable patterns of natural resource use and extraction, and the need for a radical change in current unsustainable developmental trends involving changes in environmental, social, and economic development patterns, and integrated cross-sectoral policies.

The meeting also addressed ways to measure indicators and monitor national and regional progress towards resource efficiency in consumption and production (target 8.4) and sustainable management and efficient use of natural resources (target 12.2). This included discussion of the international statistical frameworks for environment statistics in relation to waste and E-waste data collection and to accounting frameworks such as SEEA, natural capital accounts and ecological footprint.

## CONTENTS

<i>Chapter</i>	<i>Page</i>
<b>Introduction .....</b>	<b>3</b>
<b>I. Conclusions and way forward .....</b>	<b>3</b>
<b>II. Summary of discussions .....</b>	<b>4</b>
A. Opening session.....	4
B. Monitoring Progress on SCP in the Arab Region: Statistical Frameworks and Methodologies .....	5
C-Building Back Better within Context of COVID-19 .....	6
C. Closing session .....	9
<b>III. Organization .....</b>	<b>9</b>
A. Date and venue .....	9
B. Participants .....	9
Annex I. Agenda.....	10
Annex II. List of Participants .....	14

## INTRODUCTION

1. The United Nations Economic and Social Commission for Western Asia (ESCWA) organized the Expert Group Meeting on “Resource Efficiency in the Arab Region: Monitoring Progress of SDG 12 and Building Back Better from COVID-19” virtually via Kudo during 7-8 October 2020 in collaboration with the League of Arab States and the UN Environment Programme (UNEP).
2. The meeting included a review of the status of Sustainable Consumption and Production (SCP) in the Arab States, and actions towards a green economic recovery from COVID-19. It also focused on the importance of addressing unsustainable patterns of natural resource use and extraction and called for a radical change in current unsustainable developmental trends involving changes in environmental, social, and economic development patterns, and integrated cross-sectoral policies. The meeting also included discussion on how to build back better in the context of COVID-19, and presentation of UNEP’s building back better response to COVID-19, and collection of feedback on existing SCP best practices in the Arab region. The meeting included review of updates on the UNEP-SwitchMed II project, in addition to launch of the GO4SDGs project in West Asia.
3. During the meeting, updates about ESCWA’s assessment of progress on SCP indicators were presented along with the methodology used for this assessment, and specific ways to measure targets and indicators and monitor national and regional progress towards resource efficiency in consumption and production and efficient use of natural resources. The meeting also included a review of the international statistical frameworks for environment statistics in relation to waste and E-waste data collection and to accounting frameworks such as SEEA, natural capital accounts and ecological footprint. Case studies on the application of these statistical frameworks in the Arab region were also presented with examples from Jordan and Morocco.
4. The participants, representing a diversified variety of stakeholders across the environment and statistics sectors reviewed successful initiatives and experiences in monitoring progress on SCP and building back better from COVID-19, and formulated key issues for the way forward to promote resource efficiency in the Arab region, as summarized in section I of this report. Section II provides a summary of presentations, case studies and discussions over the two-day meeting, whereas section III provides organizational information.

## I. CONCLUSIONS AND WAY FORWARD

5. Participants reiterated the need for collaboration between statistical offices and Ministries of Environment in the implementation of the international statistical frameworks with national sub-national or global scopes and which can help the countries organize the data to track the SCP and related SDGs and to continue reporting on the Arab SDG Priority Indicators list including the SCP related indicators.
6. Participants highlighted the need to update the existing Arab Regional Strategy for Sustainable Consumption and Production adopted by the League of Arab States in November 2009, in line with the current status of the Arab region. They also stressed on the importance activating the Arab round table on SCP as a tool for putting effective recommendations, and Yemen requested support in drafting its national strategy on sustainable consumption and production.
7. Participants indicated the importance of having reliable national databases to ensure transparency and accuracy of data and improve assessments. They also indicated the need to support

cooperation between Arabic countries and exchange of successful experiences, as well as international cooperation on circular economy.

8. Participants also discussed the important role of raising awareness at the household level on sustainable consumption patterns and promoting recycling initiatives, as well as the need to enhance smart packaging and targeted transport of agricultural products to reduce food loss. They also called for expanding training in the area of environmental accounting to reach out to a wider audience beyond the assigned focal points, and for translating related methodologies into Arabic, and for benefiting from the successful experiences of Jordan and Oman in the area of environmental accounting.

## **II. SUMMARY OF DISCUSSIONS**

### **A. OPENING SESSION**

9. The opening session featured interventions by Mr. Mahmoud Fathallah, director of the department of environmental and meteorological affairs at the League of Arab States, by Mr. Abdul-Majeid Haddad, deputy director at UNEP/West Asia Office, and by Ms. Reem Nejdawi, chief of the food and environment policies section, at the climate change and natural resources sustainability cluster at ESCWA.
10. Mr. Fathallah welcomed participants and highlighted the LAS initiatives such as the Arab Regional Strategy for Sustainable Consumption and Production adopted by the Council of Arab Ministers Responsible for the Environment (CAMRE) in 2009, as well as the Arab 10 Year Framework of Programmes on Sustainable Consumption and Production (10YFP). He also indicated that work is underway on additional initiatives that aim to enhance investment opportunities for businessmen in SCP, and raise awareness and involve relevant ministries such as education and energy and health. Mr. Fathallah also mentioned the need for political endorsement to include the circular economy principle into national plans especially in the light of the COVID-19 pandemic whereby environmental priorities have lost momentum.
11. Mr. Haddad welcomed participants on behalf of UNEP and stressed the importance of working together to face the growing challenges of protecting nature, encouraging more innovation in resource efficiency in energy transitions and recognizing the positive steps that governments are taking to address regional and global crises,. He emphasized that the main objective of the meeting is to discuss the situation of sustainable consumption and production in the Arab countries while presenting a concrete example on green recovery from the Covid-19, and how this will assist the policy and decision-makers to work on exploring ways to monitor and implement SDG 12.
12. Ms. Nejdawi also welcomed participants on behalf of ESCWA and indicated that despite efforts exerted in the region, development patterns still rely on heavy extraction of natural resources which exacerbates environmental degradation and negatively impacts food security. She stressed on the importance of addressing unsustainable patterns of natural resource use and extraction and called for a radical change in current unsustainable developmental trends involving changes in environmental, social, and economic development patterns, and integrated cross-sectoral policies. Ms. Nejdawi highlighted the efforts being exerted by ESCWA and its partners to support member States in this direction through the development of various tools and programs, including a

detailed assessment of progress on SCP in the Arab region, which will support SCP policy setting at the country level.

## B. MONITORING PROGRESS ON SCP IN THE ARAB REGION: STATISTICAL

### FRAMEWORKS AND METHODOLOGIES

13. Ms. Wafa Aboul Hosn moderated the First part of this session which included presentations and interventions from Ms. Wafa Aboul Hosn - Chief of Economic and Environment Section at ESCWA, Ms. Nadia Elchtioui – Director of the statistics and database department at the League of Arab State, Mr. Ole Pedersen – Statistics Denmark, Mr. David Bain – Independent Expert, Mr. Sudki Hamdan – Department of Statistics (Jordan), Mr. Abderrahmane Lmakadem – High Commission for Planning (Morocco), Mr. Alessandro Galli – Director of the MENA program at the Global Footprint Network, Mr. Abdelmenam Mohamed - Senior Programme Management Officer at UNEP, Mr. Marcus Newbury – Statistician at UNSD, Mr. Kees Baldé - Senior Programme Officer at the Sustainable Cycles Programme at the United Nations University.
14. Ms. Aboul Hosn presentation referred to the available statistical frameworks and their usability according to the scope of measurement for informing on resource efficiency, sustainable consumption and production, SDG12 and other related SDGs. The first framework encompassed the system of the environmental economic accounting (SEEA) and the natural capital accounts (NCA) with various applications at the national and sub-national levels. The second framework is the FDES (Framework for The Development of Environment Statistics) which organized the basic data collection of the components of the environment in a specified country and final the global. The presentation highlighted also the of agreed Arab SDG Priority Indicators list. A brief summary was given on the frameworks that could be used to monitor and calculate domestic material consumption. As well, she reiterated the importance of collaborating between statistical offices and Ministries of Environment in the implementation of the international statistical frameworks that can help countries to organize the data to track the SCP and related SDGs.
15. Mr. Pedersen gave an overview of how the SDG indicators 8.4/12.2.2 for material consumption, the System of Environmental and Economic Accounting, SEEA, and the System of Economy-Wide Material Flow Accounts. are logically connected. He explained about different stages in the accounting and how the estimation of footprints requires modelling. He provided as well some examples of how an overall accounting of material flows can be done through physical supply and use tables.
16. Mr. Bain then presented the preliminary results of the Waste accounts in the Red Sea governate in Egypt in the context of the World Bank project on Natural Capital Accounts. He highlighted some of the current observation and concerns faced by Egypt on the solid waste management and the role of the Waste Management Regulatory Authority.
17. Mr. Hamdan shared the practices of Jordan on E-Waste surveys and Mr. Lmakadem presented the pilot Forest Accounts in Morocco. They gave a brief summary on the methodologies adopted by their countries along with the challenges and opportunities.
18. Mr. Galli gave a presentation on the premises, accounting principles and methodology and how it informs on the progress in SCP. He presented alarming trends in the Arab Countries on ecological footprint and biocapacity.

19. Mr. Newbury presented the relationship between waste statistics and SDG indicators and data collection the 3rd component of the FDES, while highlighting the experience of waste data collection with ESCWA member countries.
20. Mr. Baldé presented the global e-waste trends focusing on the challenges more specifically the sustainable consumption, production and waste management of electronics. As well, he emphasized on the need for materials required for clean energy transition and smart cities. SDG 12.4.2 and 12.5.1
21. Mr. Mohamed presented the data assessment tool for drafting waste management indicator and indicated the SDG indicators that are related to waste falls under UNEP mandate.
22. Ms. Elchtioui closed with a brief summary on the status of the Arab SDG Priority Indicators list (41 indicators) and the need to add the indicator on SDG12. 2.2. on Domestic material Consumption in the SCP context
23. The discussions raised issues that there is a need for more cooperation between ESCWA member countries to share experiences and practices. As well, a question was raised for one of the experts about the limits of applying the ecological footprint on marine ecosystem.

#### C-BUILDING BACK BETTER WITHIN CONTEXT OF COVID-19

24. Mr. Tarek Al Khoury- Regional Coordinator, Resource Efficiency and Sustainable Consumption and Production, UNEP moderated the first part of this session which included presentations and interventions from, Mr. Abdul-Majeid Haddad - Deputy Regional Director, UNEP West Asia Office, Ms. Adriana Zacarias – GO4SDG, Global Coordinator, Mr. Hussein Hassan - Associate Professor of Food Science and Technology/Food Safety Program Coordinator, Lebanese American University, Ms. Yara Abdul Samad - Sustainable Lifestyle Expert, UNEP West Asia, Mr. Luc Reuter - SwitchMed Policy Coordinator, Mr. David B. McGinty - Global Director of the PACE.
25. Mr. Al Khoury delivered a presentation outlined UNEP Resource Efficiency Strategy 2020-2021 and its overall goal as supporting the region, in its transition to inclusive green economies.
26. Mr. Haddad presentation covered the topic of “Working with Environment to protect people – UNEP’s Covid-19 response” he Stressed that UNEP is committed to supporting countries efforts on investing to build back better by providing policy advice to countries, facilitating knowledge sharing and promoting dialogue on how green fiscal policies can mobilise resources towards COVID-19 relief and recovery. Mr Haddad presented example on building back better indifferent sectors and thematic areas, including energy and climate change, agriculture and food systems, biodiversity, pollution and health, and extractives.
27. On behalf of UNEP, Ms. Zacarias Launched [the GO4SDGs project and its menu of service](#)”. This initiative aims to accelerate the shift to more inclusive green economies and sustainable production and consumption patterns in order to strengthen public and private sector capacities to deliver on the Sustainable Development Goals and the Paris Agreement. The initiative will share innovative practices from countries at the regional level and strengthen capacities for replication across regions. It will also offer countries the opportunity to access existing tools and services at a larger scale through a menu of options to strengthen the capacity of three critical actors: policymakers, small- and medium-sized enterprises (SMEs) and youth, and support them as

change agents to implement policies, investments, business models, and consumer choices towards decarbonization, resource efficiency, and sustainability. Ms. Zacarias outlined the needs of GO4SDGs and what it will achieve, and how will regional capacity scale up Inclusive Green Economies, besides the objectives of GO4SDGs, lastly, she indicated the activities in West Asia that are the beginning of implementation phase.

28. Mr. Hassan presented “The state of play of food waste in West Asia” and presented some reality facts about food waste in the region. He also presented the state of food waste in West Asia by UNEP that is under finalisation. He clarified the role of various stakeholders, including NGOs, food banks and governments in addressing the issue of food waste in West Asia and highlighting gaps and opportunities focusing on the impact of COVID-19 on food system.
29. Ms. Abdul Samad delivered a presentation on “Mainstreaming Eco-innovation in Sustainable Consumption and Production Policies with focus on Sustainable fashion” through her presentation she defined the Eco-Innovation and the importance of applying it in all practical areas, she also clarified the meaning of Linear Model which is known as the take-make-waste and the Circular Economy which is “rather than throw away used products, the circular economy embraces reusing natural resources in order to minimize waste and ensure the efficient use of the world’s resources”.
30. Mr. Reuter’s presentation was on “[SwitchMED](#)”; he focused through his presentation on SwitchMed Programme and its objectives, the demonstration activities and what the programme has done as a responses to Covid-19 in addition to all activities and programs that the programme performs in general.
31. Mr. B. McGinty delivered a presentation on “PACE (Platform for Accelerating the Circular Economy) work calling the region for establishing alliances on circular economy. Through his presentation he emphasis deep collaboration between business, government and civil society and creating a space for leaders are key to overcome challenges through catalysing global leadership from business, government and civil society; transforming knowledge into an evidence-based collective action agenda and advancing projects that are pioneering or scaling the circular economy
32. Ms. Reem Nejdawi moderated the second part of this session which included presentations from Mr. Cameron Allen, ESCWA’s expert, Mr. Ramy Boujawdeh, Deputy General Manager at Berytech, Ms. Theresa Wong, Natural Resources Officer at FAO/Regional Office for the Near East, Mr. Ziad AbiChaker, Chief Executive Officer at Cedar Environmental, Lebanon, Mr. Abdelaziz Zaki, Science National Professional Officer at UNESCO Regional Bureau for Sciences in the Arab States, as well as an intervention by Mr. Fadi Jabr, Secretary General, Arab Federation for Food Industries.
33. Mr. Allen delivered a presentation on “Sustainable Consumption and Production – Assessment for the Arab Region”. He indicated that this is an updated SCP assessment that builds on the 2017 ESCWA’s SCP assessment report, and that the 2020 updated assessment relied on additional data at national and regional levels, and on developed methodologies using weighted averages. He highlighted the importance of selecting the right indicators and targets for such assessments, including proxy indicators, which should be aligned with UN SDG Framework. He also explained the assessment methodology used, and the selection of 14 indicators, and explained how results can be aggregated at target or goal level or across all goals.

34. Mr. Boujawdeh presented the “Role of Startups in Advancing Sustainable Consumption and Production at the National Level”, whereby he indicated that Berytech helps innovators convert ideas to successful, social and responsible businesses covering five pillars, and that work on investment mechanisms supports circular economy entrepreneurs. He listed various startups supported by Berytech and indicated that for start-ups to have an impact on communities, there’s a need for an ecosystem to support and scale up their work including media channels to convey opportunities for developing business solutions, academia to create solutions to sustain their work, and prototyping and different acceleration programmes.
35. Ms. Wong delivered a presentation on “Building Back Better: Addressing Food Loss and Waste”, and she focused on the importance of boosting small holder resilience. She mentioned that the FAO 2020 report on State of Food Sec and Nutrition in the World shows a significant crisis under covid19, and that there’s a need for food system transformation. Ms. Wong also highlighted ways to calculate the index of food loss and waste and presented available FAO tools and methodologies in this regard. She and indicated that recent work in Egypt and Tunisia on Food loss and waste reduction found the need to understand the value chain decisions and actions that are effective to reduce food loss and waste.
36. Mr. Abichaker delivered a presentation entitled “Zero waste is not science fiction” which included an overview on the work towards zero waste from the different types of wastes, and the decentralized method of work that aims at reducing quantities of waste. He indicated that organic waste is the highest percentage waste in the Arab region, and it can be used for producing compost for farms, and work is being done on having separation stations to split waste based on material types. He also presented the work being done on converting single use plastic into green walls and on vertical farming which can be spread on rooftops in cities.
37. Mr. Zaki indicated in his presentation on UNESCO’s experience in addressing wastewater treatment that UNESCO is part of regional collaboration platform in the Arab region on water issues, and that it has a hydrological programme that addresses managing non-conventional water resources in the region. The programme focuses on a number of pillars including data collection and analysis of non-conventional water resources, recovery and decrease in cost of wastewater treatment, revision of legal and institutional frameworks, and engagement of stakeholders.
38. Mr. Jabr highlighted in his intervention the importance of addressing sustainable consumption and production at both the industry and the producer levels, and at enhancing awareness raising on sorting and recycling at the household level.
39. In the discussion that followed with participants highlighted the importance of creating second hand markets especially in countries with high consumption, high per capita waste generation rates, where waste is still mixed and dumped in landfills with no proper sorting mechanisms. They also stressed on the role of research and development done by academic and research institutions to advance SCP in the region. The idea of producing a country ranking by LAS at the Arab regional level for progress on SCP targets was raised, however lack of proper statistical data availability could be an obstacle to achieving that although the idea was found to be sound by LAS, and could be looked into in the future.



### C. CLOSING SESSION

40. In the closing session, Mr. Mahmoud Fath-Allah called for integrating green economy concepts and new methods of waste management into national development plans to enhance resource efficiency. Ms. Reem Nejdawi indicated that the SCP assessment conducted by ESCWA will be addressed in a future consultative meeting that will engage member states and cover the results of work. Mr. Tarek Alkhoury stressed on the importance of partnership for working on the SCP as it covers ways of life, and the aim is to try to change ways of production and consumption and finding solutions to pressing environmental problems faced by the region.

## III. ORGANIZATION

### A. DATE AND VENUE

41. The meeting was held virtually via the Kudo online platform during 7-8 October 2020.
42. The meeting was organized in two main sessions in addition to the opening and closing sessions. The detailed agenda is included in Annex I.

### B. PARTICIPANTS

43. The full list of participants is provided in Annex II.
44. Presentations delivered during the meeting may be accessed through the following meeting webpage: <https://www.unescwa.org/egm-resource-efficiency-arab-region>

## Annex I. Agenda

**Day 1: Wednesday, 7 October 2020**

<b>12:30-12:45</b>	<b>Opening</b>
	<p><b>Welcoming Remarks by Organizing Partners</b></p> <ul style="list-style-type: none"> <li>- Mr. Mahmoud Fathallah, Director, Department of Environmental, Meteorological Affairs (EMA), Economic Sector, League of Arab States</li> <li>- Mr. Abdul-Majeid Haddad, Deputy Director, UNEP - West Asia Office</li> <li>- Ms. Reem Nejdawi, Chief, Food and Environment Policies Section, Climate Change and Natural Resources Sustainability Cluster, ESCWA</li> </ul> <p><b>Presentation of Background and Meeting's Agenda</b></p> <ul style="list-style-type: none"> <li>- Ms. Wafa Aboul Hosn, Chief Economic Statistics Section, Statistics, the Information Society and Technology Cluster, ESCWA</li> <li>- Mr. Tarek Alkhoury, Regional Coordinator, Resource Efficiency and Sustainable Consumption and Production, UNEP</li> </ul>
<b>12:45-15:30</b>	<b>Monitoring Progress on SCP in the Arab Region: Statistical Frameworks and Methodologies</b>
	<p>The session will focus on three statistical frameworks: 1) The System of Environmental Economic Accounting (SEEA) and its application in measuring domestic material consumption, 2) The Framework for Development of Environment Statistics (FDES) in relation to SCP and waste management, and 3) Global Footprint analysis with a regional perspective and multitude of indices informing on progress on SDGs targets such as the OECD, ESCAP and SDG -SDNS. The existing frameworks and their relevance for the SCP in the Arab Region will be presented and will help countries to track SCP in the national context and for cross-country comparable data.</p>
<p>Moderator: Ms. Wafa Aboul Hosn, Chief Economic Statistics, Cluster on Statistics, Information Society and Technology, ESCWA</p>	
12:45-12:50	<ul style="list-style-type: none"> <li>- Introduction <i>Mr. Juraj Riecan, Cluster Leader, Statistics, the Information Society and Technology Cluster, ESCWA</i></li> </ul>
12:50–13:15	<ul style="list-style-type: none"> <li>- Statistical Frameworks as standards for informing on Resource Efficiency, Sustainable Consumption and Production in SDG12 and other related SDGs and Current undertakings at the global and regional levels <i>Ms. Wafa Aboul Hosn, Chief Economic Statistics Section, Statistics, the Information Society and Technology Cluster, ESCWA</i></li> </ul>
13:15-13:30	<ul style="list-style-type: none"> <li>- Brief on the follow-up on Arab SDGs of Priority and the SCP context <i>Ms Nadia Elchtioui, Director, LAS-Statistics and Database Department</i></li> </ul>
13:30-13:45	<ul style="list-style-type: none"> <li>- The System of Environmental Economic Accounting (SEEA) and its application in measuring domestic material consumption (DMC) <i>Mr. Ole Pedersen, Statistics Denmark</i></li> </ul>

13:45-14:00	<ul style="list-style-type: none"> <li>- Natural Capital Accounts: Waste Accounts and the Case of Egypt: World Bank Project <i>Mr. David Bain, Independent Expert, Australia</i></li> </ul>
14:00-14:20	<ul style="list-style-type: none"> <li>- Country Practice Jordan experience, e-Waste Survey <i>Mr. Sudki Hamdan, Department of Statistics, Jordan</i></li> <li>- Morocco experience, Forest Accounts <i>Mr. Abderrahmane Lmakadem, High Commission for Planning, Morocco</i></li> </ul> <p><b>Discussion</b></p>
14:20-14:40	<ul style="list-style-type: none"> <li>- Ecological Footprint analysis with a regional perspective <i>Mr. Alessandro Galli, Global Footprint Network, Director, Mediterranean-MENA Program</i></li> </ul>
14:40-14:50	<ul style="list-style-type: none"> <li>- Data assessment tool” for drafting waste management related indicators <i>Mr. AbdelMonam Mohamed, UNEP</i></li> </ul>
14:50-15:00	<ul style="list-style-type: none"> <li>- The Framework for Development of Environment Statistics (FDES) in relation to SCP and waste management <i>Mr. Marcus Newbury, UNSD</i></li> </ul>
15:00-15:10	<ul style="list-style-type: none"> <li>- Global and regional e-waste trends <i>Mr. Kees Balde, UNU</i></li> </ul>
15:10-15:30	<p><b>Discussion</b></p> <p>Conclusion and Recommendations for Day 1</p>

**Day 2: Thursday, 8 October 2020**

<b>13:00-16:00</b>	<b>Building Back Better within Context of COVID-19</b>
	<p>How to build back better in the context of COVID-19, and an overview of UNEP’s building back better response to COVID-19. Feedback on regional SCP best practices, and on design and implementation of coherent SCP strategies during the recovery phase. Discuss the approaches and modality for assessing progress on achieving SCP’s goals and targets in the Arab region, with a focus on selected experiences and challenges encountered in implementing SCP interventions at the national level, highlighting success stories in food and conflict waste recycling.</p>
<p><b>Moderator: Mr. Tarek Alkhoury, Regional Coordinator, Resource Efficiency and Sustainable Consumption and Production, UNEP West Asia</b></p>	
13:00-13:05	<p><b>Overview of Agenda for Day 2</b></p> <ul style="list-style-type: none"> <li>- Mr. Tarek Alkhoury, Regional Coordinator, Resource Efficiency and Sustainable Consumption and Production, UNEP</li> <li>- Ms. Reem Nejdawi, Chief, Food and Environment Policies Section, Climate Change and Natural Resources Sustainability Cluster, ESCWA</li> </ul>
13:05-13:15	<ul style="list-style-type: none"> <li>- Presenting COVID-19 strategic response for UNEP with focus on Building back better <i>Mr. Abdul-Majeid Haddad, Deputy Regional Director, UNEP West Asia Office</i></li> </ul>

<b>Addressing the SCP challenges while building back better, examples of regional and global programmatic approach by UNEP</b>	
13:15-13:20	- UNEP West Asia Resource Efficiency strategy <i>Mr. Tarek Alkhoury, Regional Coordinator, Resource Efficiency and Sustainable Consumption and Production UNEP West Asia</i>
13:20-13:30	- Launching the GO4SDGs project and its menu of service <i>Ms. Adriana Zacarias, Global Coordinator</i>
13:30-13:40	- The state of play of food waste in West Asia <i>Mr. Hussein Hassan, Associate Professor of Food Science and Technology/Food Safety Program Coordinator, Lebanese American University</i>
13:40-13:50	- Mainstreaming Eco-innovation in Sustainable Consumption and Production Policies with focus on Sustainable fashion <i>Ms. Yara Abdul Samad - Sustainable Lifestyle Expert, UNEP West Asia</i>
13:50-14:10	- SwitchMED; what has been done and what is new? A concrete experience in implementing the SDG12 <i>Mr. Luc Reuter, SwitchMed Policy Coordinator, UNEP</i>
14:10-14:20	- PACE (Platform for Accelerating the Circular Economy): a global community leading the way towards a circular economy <i>Mr. David B. McGinty, Global Director of the PACE</i>
14:20-14:30	<b>Discussion</b>
<b>Moderator: Ms. Reem Nejdawi, Chief, Food and Environment Policies Section, Climate Change and Natural Resources Sustainability Cluster, ESCWA</b>	
14:30-14:50	- Assessment methodology for progress on sustainable consumption and production <i>Mr. Cameron Allen, ESCWA's expert</i>
14:50-15:00	- Role of Start-Ups in advancing SCP at the national level <i>Mr. Ramy Boujawdeh, Deputy General Manager, Berytech</i>
15:00-15:10	- Building back better: Addressing food loss and waste <i>Ms. Theresa Wong, Natural Resources Officer, FAO/Regional Office for the Near East</i>
15:10-15:20	- Recycling of glass debris and other material recycling examples <i>Mr. Ziad AbiChaker, Chief Executive Office, Cedar Environmental, Lebanon</i>
15:20-15:30	- UNESCO's experience in addressing wastewater treatment <i>Mr. Abdelaziz Zaki, Science National Professional Officer, UNESCO Regional Bureau for Sciences in the Arab States</i>
15:30-15:40	- Discussants from major groups: <i>Mr. Fadi Jabr, Arab Federation for Food Industries</i>

15:40-15:50	<b>Discussion</b>
15:50-16:00	<b>Concluding remarks, ESCWA, UNEP, LAS</b>

## Annex II. List of Participants

### **A. ESCWA & Non ESCWA Member States**

#### **Algeria**

##### **Mr. Abdelkader Fergui**

General Manager  
National Center for Cleaner Production  
Technologies  
Ministry of Environment  
Algeria  
Tel.: (+213) 21 77 83 85  
Mobile: (+213) 661 22 07 2  
Email : [a.fergui@cntppdz.com](mailto:a.fergui@cntppdz.com)  
[ferguiaek@yahoo.fr](mailto:ferguiaek@yahoo.fr)

##### **Ms. Assaia Ferrani Saim**

Deputy Director for the Promotion of Clean  
Technologies and Valuation of Waste and  
Industrial By-products  
Ministry of Environment  
Algeria  
Tel.: (+213) 551 530 169  
Fax: (+213) 21 432 833  
Mobile: (+213) 770 218 995  
Email: [a\\_sissi2005@yahoo.fr](mailto:a_sissi2005@yahoo.fr)  
[a.ferrani15@gmail.com](mailto:a.ferrani15@gmail.com)

##### **Mr. Samir Grimes**

Expert  
Focal Point for Regional Activity Centre for  
Specially Protected Areas (SPAs)  
UNEP/Mediterranean Action Plan (MAP) Focal  
Point  
Direction de la conservation de la Diversité  
Biologique, du Milieu Naturel, des Aires  
Protégées, du Littoral et des Changements  
Climatiques  
Ministère de l'Aménagement du Territoire,  
de l'Environnement  
Rue des Quatre Canons  
16000 Algiers, Algeria  
Tel.: (+213) 21 43 28 62  
Fax: (+213) 21 43 45 70  
Email: [samirgrimes@yahoo.fr](mailto:samirgrimes@yahoo.fr)

#### **Bahrain**

##### **Ms. Maha Abdallah Sabt**

Acting Director  
Department of Population and Demographic  
Statistics  
Information and eGovernment Authority  
P.O. Box: 33305  
Manama, Bahrain  
Email: [maha.as@iga.gov.bh](mailto:maha.as@iga.gov.bh)

##### **Ms. Fatema Ahmad Ibrahim Khalil Salem**

Statistician  
Sustainable Development Goals (SDGs) Section  
Department of Statistics, Population and  
Demography  
Information and eGovernment Authority  
P.O. Box: 33305  
Manama, Bahrain  
Tel.: (+973) 1787 8237  
Fax: (+973) 1787 8223  
Email: [fatema.salem@iga.gov.bh](mailto:fatema.salem@iga.gov.bh)

#### **Denmark**

##### **Mr. Ole Gravgård Pedersen**

Chief Adviser  
National Accounts  
Statistics Denmark  
Denmark  
Email: [ogp@dst.dk](mailto:ogp@dst.dk)

#### **Egypt**

##### **Ms. Elham Refaat Abdel Aziz**

Stockholm Convention Focal Point  
Persistence Organic Pollutants Review Committee  
Hazardous Substances and Waste  
General Director  
Hazardous Substances and Waste Management  
Expert  
Waste Management Regulatory Agency  
Ministry of Environment  
Cairo, Egypt  
Mobile: (+2010) 09183010  
Email: [azizelham26@gmail.com](mailto:azizelham26@gmail.com)

**Ms. Rehab Abd Elgillil Abo Kahla**  
Statistician  
Sustainable Development Unit  
Central Agency for Public Mobilization and  
Statistics (CAPMAS)  
Cairo, Egypt  
Mobile: (+2012) 2622 7610  
Email: [rehab.abdelgillil@gmail.com](mailto:rehab.abdelgillil@gmail.com)  
[rehab\\_feps@yahoo.com](mailto:rehab_feps@yahoo.com)

**Ms. Dalia Elzaabalawy**  
2nd Statistician at National Accounts Department  
Central Agency for Public Mobilization and  
Statistics (CAPMAS)  
Cairo, Egypt  
Mobile: (+2011) 2336 3391  
Email: [d\\_elzaabalawy@hotmail.com](mailto:d_elzaabalawy@hotmail.com)

### **Iraq**

**Mr. Salah Sabbar Thameel**  
Expert - University of Anbar  
Iraq  
Email: [ahmadsala2016@gmail.com](mailto:ahmadsala2016@gmail.com)

**Mr. Mukdad A. Al-Khateeb**  
Academic Retiree  
Sustainability Expert, Trainer, and Strategic  
Planner  
Baghdad, Iraq  
Mobile: (+964) 780 962 2311  
Email: [mukdadalkhateeb@yahoo.com](mailto:mukdadalkhateeb@yahoo.com)

### **Jordan**

**Ms. Maha Al-Ma'ayta**  
Environmental Expert  
Director, Directorate of Policies and International  
Cooperation  
Ministry of Environment  
Amman, Jordan  
Email: [maha.maita@moenv.gov.jo](mailto:maha.maita@moenv.gov.jo)

**Mr. Jehan Jemal Haddad**  
Manager of Air Studies  
Royal Scientific Society (RSS)  
P.O. Box: 1438  
Amman 11941, Jordan  
Tel.: (+962-6) 534 4701 (Ext: 2571)  
Fax: (+962-6) 534 4806  
Mobile: (+962) 77-565 0441  
Email: [jehan.haddad@rss.jo](mailto:jehan.haddad@rss.jo)

**Ms. Rawia Abdallah**  
Senior Specialist/Studies  
Royal Scientific Society (RSS)  
P.O. Box: 1438  
Amman 11941, Jordan  
Tel.: (+962-6) 534 4701 (Ext: 2406)  
Fax: (+962-6) 534 4806  
Mobile: (+962) 79 740 1163  
Email: [rawia.abdallah@rss.jo](mailto:rawia.abdallah@rss.jo)

**Mr. Bara' Issa Ahmad Matalqah**  
Senior Specialist/Studies  
Royal Scientific Society (RSS)  
P.O. Box: 1438  
Amman 11941, Jordan  
Tel.: (+962-6) 534 4701 (Ext: 2367)  
Fax: (+962-6) 534 4806  
Mobile: (+962) 77-710 9235  
Email: [baraa.matalqah@rss.jo](mailto:baraa.matalqah@rss.jo)

**Mr. Sudki Sameer Fawzi Hamdan**  
Environmental & Energy Statistical Expert  
Department of Statistics (DOS)  
P.O. Box: 2015  
11181 Amman, Jordan  
Email: [sudki.hamdan@dos.gov.jo](mailto:sudki.hamdan@dos.gov.jo)

**Ms. Enas Arabiyat**  
Expert  
Department of Statistics (DOS)  
P.O. Box: 2015  
11181 Amman, Jordan  
Email: [enas.arabyat@dos.gov.jo](mailto:enas.arabyat@dos.gov.jo)

**Mr. Mohammad Saleem Ayasrah**  
Statistician  
Department of Statistics (DOS)  
P.O. Box: 2015  
11181 Amman, Jordan  
Mobile: (+962-77) 7805 156  
Email: [mohammad.ayasrah@dos.gov.jo](mailto:mohammad.ayasrah@dos.gov.jo)

**Mr. Abdelnaser Obeidat**  
Statistical/Economic Expert  
Department of Statistics (DOS)  
P.O. Box: 2015  
11181 Amman, Jordan  
Tel.: (+962-6) 5300700  
Email: [nasiro@dos.gov.jo](mailto:nasiro@dos.gov.jo)

## Morocco

### **Mr. Maliki Slimane**

Head of Planning and Inter-Ministerial  
Coordination Service  
Department of Environment  
Ministry of Energy, Mining and Environment  
Morocco  
Email: [maliki@environnement.gov.ma](mailto:maliki@environnement.gov.ma)  
[maliki.slimane@gmail.com](mailto:maliki.slimane@gmail.com)

### **Ms. Karima Bensouda**

Head of Unit  
National Accounts Department  
High Commission for Planning (HCP)  
Morocco  
Tel.: (+212) 660 102 230  
Email : [k.bensouda@hcp.ma](mailto:k.bensouda@hcp.ma)

### **Ms. Laila Rkiouak**

Responsible for Monitoring SDG12 and Strategies  
Related to the Environment and Sustainable  
Development  
Directorate of Planning  
The High Commission for Planning  
Morocco  
Tel.: (+212) 677102077  
Email: [l.rkiouak@hcp.ma](mailto:l.rkiouak@hcp.ma)

### **Ms. Sakina Kada**

Chef de Service des Publication Ge'ne'rales  
Charge' des Statistiques Environnementales  
Directorate of Statistics (DOS)  
The High Commission for Planning (HCP)  
Morocco  
Tel.: (+212) 660 102 198  
Email: [s.kada@hcp.ma](mailto:s.kada@hcp.ma)

### **Mr. Achraf Lachkar**

National Accountant  
National Accounts Department  
High Commission for Planning (HCP)  
Morocco  
Email: [a.lachkar@hcp.ma](mailto:a.lachkar@hcp.ma)

### **Mr. Abderrahmane Lmakadem**

Expert  
High Commission for Planning (HCP)  
Morocco  
Email: [a.lamakadem@hcp.ma](mailto:a.lamakadem@hcp.ma)

## Oman

### **Mr. Mohammed ben Seif Al-Kalbani**

Head of Environment and Sustainable  
Development Department  
Environmental Authority  
Oman  
Email: [mohammed.alkalbni@meca.gov.om](mailto:mohammed.alkalbni@meca.gov.om)

### **Ms. Rahma Al Sulaimi**

Head of Research & Studies In-Charge Unit  
Environmental Authority  
Oman  
Email: [rahma.alsulaimi@meca.gov.om](mailto:rahma.alsulaimi@meca.gov.om)

### **Ms. Fatma Alsaadi**

Head of Statistics Section In-Charge  
Environmental Authority  
Oman  
Email: [fatma.alsaadi@meca.gov.om](mailto:fatma.alsaadi@meca.gov.om)

### **Ms. Shamsa Salim Hilal Al-Hajri**

Economic Research - National Accounts  
National Center for Statistic and Information  
(NCSI)  
Muscat, Sultanate of Oman  
Mobile: (+968) 92205350  
Email: [shamsasalim@ncsi.gov.om](mailto:shamsasalim@ncsi.gov.om)

## Palestine

### **Mr. Zaghoul Samhan**

Director-General of Policies & Planning  
Environmental Quality Authority (EQA)  
Ramallah, Palestine  
Tel.: (+970-2) 2403495  
Fax: (+970-2) 24203494  
Mobile: (+970) 59-9264225  
Email: [z.samhan@environment.pna.ps](mailto:z.samhan@environment.pna.ps)

### **Ms. Amneh Alnatsheh**

Director of Satellite Accounts Department  
Palestinian Central Bureau of Statistics (PCBS)  
Ramallah, Palestine  
Email: [haleema@pcbs.gov.ps](mailto:haleema@pcbs.gov.ps)

### **Mr. Ziad Qalalweh**

Statistician  
Palestinian Central Bureau of Statistics (PCPS)  
Ramallah, Palestine  
Email: [zqalalweh@pcbs.gov.ps](mailto:zqalalweh@pcbs.gov.ps)



**Mr. Zahran Khleif**

Statistician  
Palestinian Central Bureau of Statistics (PCBS)  
Ramallah, Palestine  
Email: [zahran@pcbs.gov.ps](mailto:zahran@pcbs.gov.ps)

**Qatar****Mr. Mohamed A. Amr**

Expert, Environmental Laboratory  
Environment Monitoring Department  
Ministry of Municipality and Environment  
Doha, Qatar  
Tel.: (+974) 44261466  
Mobile: (+974) 66040834  
Email: [maewis@mme.gov.qa](mailto:maewis@mme.gov.qa)

**Mr. Omar Abdullah El Khaznadar**

Chemical Technician, Radiation and Chemicals  
Protection Department  
Ministry of Municipality and Environment  
Doha, Qatar  
Tel.: (+974) 44623683  
Mobile: (+974) 33104052  
Email: [omarkhazo@gmail.com](mailto:omarkhazo@gmail.com)  
[Oelkhaznadar@mme.gov.qa](mailto:Oelkhaznadar@mme.gov.qa)

**Ms. Fareeda Almousa**

Head of Environmental Systems Department  
Environmental Monitoring Department  
Ministry of Municipality and Environment  
Doha, Qatar  
Email: [fmousa@mme.gov.qa](mailto:fmousa@mme.gov.qa)

**Mr. Ziad Al Ghannam**

Consultant Engineer  
Environmental Monitoring Department  
Ministry of Municipality and Environment  
P.O. Box: 7634, Doha, Qatar  
Tel. : (+974) 4426 1380  
Email: [zmghannam@mme.gov.qa](mailto:zmghannam@mme.gov.qa)

**Mr. Khaled Suleiman Alshatarat**

Environment Expert  
Environment Statistics  
Planning and Statistics Authority (PSA)  
Majlis Al Taawon Str.  
P.O. Box: 1855  
Doha, Qatar  
Tel. : (+974) 4495 8491  
Email: [kalshatarat@psa.gov.qa](mailto:kalshatarat@psa.gov.qa)

**Saudi Arabia****Ms. Noorah Mohammad Al-Gethami**

Manager of Legal Compliance Department  
General Authority of Meteorology and  
Environmental Protection (GAMEP)  
Jeddah, Saudi Arabia  
Tel.: (+966-1) 24237000  
Mobile: (+966) 54-0006053  
Email: [n.al-gethami@gamep.gov.sa](mailto:n.al-gethami@gamep.gov.sa)

**Mr. Magdi Hassan Altoukhi**

Adviser  
Director, Health & Environment Department  
General Authority of Meteorology and  
Environmental Protection (GAMEP)  
P.O. Box: 132480  
Jeddah 21383, Saudi Arabia  
Tel.: (+966) 12-423-7078  
Mobile: (+966) 59-000-2182  
Email: [m.al-toukhi@gamep.gov.sa](mailto:m.al-toukhi@gamep.gov.sa)

**Mr. Ahmed Al Mansi**

Expert  
Ministry of Environment, Water and Agriculture  
(MEWA)  
Saudi Arabia

**Mr. Ahmed Alghamdi**

Expert  
Ministry of Environment, Water and Agriculture  
(MEWA)  
Saudi Arabia  
Email: [ahaalghamdi@mewa.gov.sa](mailto:ahaalghamdi@mewa.gov.sa)

**Mr. Majed Salim Alaslani**

Statistician Specialist  
General Authority for Statistics (GAS)  
P.O. Box: 3735 – Postal Code : 11481  
Riyadh, Saudi Arabia  
Tel.: (+966-1) 1 401 4138 – 2205  
Fax: (+966-1) 1 289 4865  
Mobile: (+966) 56-8528009  
Email: [msaslani@stats.gov.sa](mailto:msaslani@stats.gov.sa)

**Mr. Naif Aldossary**

Expert  
General Authority for Statistics (GAS)  
P.O. Box: 3735 – Postal Code : 11481  
Riyadh, Saudi Arabia  
Saudi Arabia

**Ms. Fatima Aljoaib**  
Researcher Statistics  
General Authority for Statistics (GAS)  
P.O. Box: 3735 – Postal Code : 11481  
Riyadh, Saudi Arabia  
Email: [ffjoaib@stats.gov.sa](mailto:ffjoaib@stats.gov.sa)

**Ms. Asma Alshaya**  
Statistics Specialist  
Population and Vital statistics Department  
General Authority for Statistics (GASTAT)  
Saudi Arabia  
Email: [anshaya@stats.gov.sa](mailto:anshaya@stats.gov.sa)

### **Tunis**

**Mr. Nabil Hamdi**  
General Engineer  
Director at the Sustainable Development  
Department  
Ministry of Environment  
National Focal Point for SwitchMed Programme  
(SDG12)  
Tunis, Tunisia  
Mobile : (+216) 98-513 640  
Email: [hamdienvirnement@yahoo.com](mailto:hamdienvirnement@yahoo.com)

**Ms. Naouel Mejri**  
Director  
International Tunisian Center for Environmental  
Technology (CITET)  
Tunis, Tunisia  
Email: [conseil@citet.nat.tn](mailto:conseil@citet.nat.tn)

**Ms. Nihel Beltaifa**  
Service Manager  
RAC NFP/SCP  
International Cooperation Department  
Tunis International Centre for Environmental  
Technologies (CITET)  
Bd of Leader Yasser Arafat, 1080 Charguia  
Tunis, Tunisia  
Fax: (+216) 71 206 642  
Tel.: (+216) 71 206 482 /71 206 629  
Email: [rd.n@citet.nat.tn](mailto:rd.n@citet.nat.tn)

**Ms. Naziha Hassine**  
General Engineer  
Service Head  
Tunis International Center for Environmental  
Technology (CITET)  
Tunis, Tunisia  
Tel.: (+216) 97 571 082  
Email: [ae.nh@citet.nat.tn](mailto:ae.nh@citet.nat.tn)

### **Yemen**

**Mr. Ameen Mohammed Qaid Alhammadi**  
General Manager of Monitoring Development  
Planning  
Environmental Protection Authority (EPA)  
Ministry of Water and Environment  
Yemen  
Email: [ameensd2030@gmail.com](mailto:ameensd2030@gmail.com)

**Mr. Adel Abdulrasheed Abdulrazzaq**  
Adviser, Environment Protection Authority (EPA)  
Yemen  
Mobile: (+966) 54-6832358  
Email: [adeladen@yahoo.com](mailto:adeladen@yahoo.com)

**Mr. Hamed Abdo Ahmed Al-Hammadi**  
Environmental Statistics Manager  
Central Statistical Organization (CSO)  
Member of Arab Technical Team for  
Environment and Sustainable Development  
Statistics and Indicators  
The National Point of Contact for These Statistics  
and Indicators  
Sanaa, Yemen  
Mobile: (+967) 7779-62071  
Car and WhatsApp: (+967) 7779-62071  
Email: [hammadi\\_62@yahoo.com](mailto:hammadi_62@yahoo.com)

**Mr. Abdulkarem Feqeh**  
Expert  
Central Statistical Organization (CSO)  
Sanaa, Yemen  
Email: [karim.feqeh@gmail.com](mailto:karim.feqeh@gmail.com)

**Ms. Najwa Abdullah Al-Serri**  
Counselor  
The Permanent Mission of the Republic of Yemen  
to the League of Arab States  
Cairo, Egypt  
Mobile: (+2010) 15477223  
Email: [nalserri@gmail.com](mailto:nalserri@gmail.com)

**B. Regional, National, International,  
Academia & NGO Organizations**

**Arab Industrial Development & Mining  
Organization (AIDMO)**

**Mr. Amir Elrufai**

Expert, Industrial Development Department  
Arab Industrial Development & Mining  
Organization (AIDMO)  
P.O. Box: 8019  
Tel. : (+212) 537 274 500  
Fax : (+212) 537 772 188  
Rabat, Morocco  
Email : [a.elrufai@aidmo.org](mailto:a.elrufai@aidmo.org)

**Arab League Educational, Cultural and  
Scientific Organization (ALECSO)**

**Mr. Haitham Abdullah Salman**

Director of the Department of Science and  
Scientific Research  
Arab League Educational, Cultural and Scientific  
Organization (ALECSO)  
Tunis, Tunisia  
Mobile: (+964) 78 01459516  
WhatsApp: (+964) 78 145 9516  
Email: [heaitham20052006@yahoo.com](mailto:heaitham20052006@yahoo.com)

**Arab Organization for Agricultural  
Development (AOAD)**

**Mr. Ahmed Salem Ould Ahmed**

Head of Agricultural, Environmental and Climate  
Change Programs Unit  
Arab Organization for Agricultural Development  
(AOAD)  
Khartoum, Sudan  
Tel.: (+249) 183471374-183571650 (Ext: 106)  
Mobile: (+249) 966 211 140  
Email : [asahmed1964@yahoo.fr](mailto:asahmed1964@yahoo.fr)

**Mr. Salah Mohamed El Awad**

Agricultural Economist Expert  
Arab Organization for Agricultural Development  
(AOAD)  
Khartoum, Sudan  
Tel.: (+249) 183471374-183571650 (Ext : 130)  
Mobile: (+249) 901 966 221  
Email: [smalawad@aoad.org](mailto:smalawad@aoad.org)

**Mr. Nabil Sghaier**

Remote Sensing Expert  
Arab Organization for Agricultural Development  
(AOAD)  
Khartoum, Sudan  
Tel.: (+249) 183471374-183571650 (Ext: 157)  
Mobile: (+249) 990669414// (+216) 98650060  
Email : [nabil.sghaier@aoad.org](mailto:nabil.sghaier@aoad.org)

**Arab Atomic Energy Authority (AAEA)**

**Mr. Salem Hamdi**

Director-General  
Arab Atomic Energy Authority (AAEA)  
Tunis, Tunisia  
Tel.: (+216) 71773340  
Email: [hamdisalemaziz@yahoo.com](mailto:hamdisalemaziz@yahoo.com)  
[princesse\\_nahla@yahoo.com](mailto:princesse_nahla@yahoo.com)

**Arab Federation for Food Industries (AFFI)**

**Mr. Fadi Falah Jabr**

Secretary-General  
Arab Federation for Food Industries (AFFI)  
Amman, Jordan  
Email: [arabfood3@gmail.com](mailto:arabfood3@gmail.com)

**Arab Labor Organization (ALO)**

**Ms. Rania Rushdiah**

Acting Director of Arab Institute for Safety and  
Health (AIOSH)  
Arab Labor Organization (ALO)  
Cairo - Egypt  
Tel.: (+202) 3336 2719/21 (Ext.: 117)  
Fax: (+202) 374 8900  
Mobile: (+2012) 8388 7856  
Email: [raniarushdie@gmail.com](mailto:raniarushdie@gmail.com)

**Berytech/Agrytech**

**Mr. Ramy Boujawdeh**

Deputy General Manager of Berytech and  
Director of the Agrytech Programme  
Berytech Innovation Park – Mar Roukoz  
Campus of Sciences and Technology - USJ,  
Dekwaneh – Beirut, Lebanon  
Tel.-Office: (+961-4) 533 040 (ext. 1112)  
Mobile: (+961-78) 888 902  
Email: [ramy.boujawdeh@berytch.org](mailto:ramy.boujawdeh@berytch.org)

**Mr. Elias Nicolas**  
Cleantech Specialist  
Berytech  
Lebanon  
Email: [elias.nicolas@berytch.org](mailto:elias.nicolas@berytch.org)

**Cedar Environmental**

**Mr. Ziad Abi Chaker**  
Chief Executive Officer (CEO)  
Cedar Environmental  
Address: Cedar Eco-Industrial Park, Abou Mizane, Bickfaya - Lebanon.  
Office Phone: (+961-1) 389404  
Office Fax: (+961-1) 389409  
Mobile: (+961-3) 293222  
Email: [ziad@cedarenv.com](mailto:ziad@cedarenv.com)

**International Union for Conservation of Nature (IUCN)**

**Ms. Laila Annouri**  
Expert  
International Union for Conservation of Nature (IUCN)  
Switzerland  
Email: [laila.annouri@iucn.org](mailto:laila.annouri@iucn.org)

**Oman Environmental Services Holding Company S.A.O.C.**

**Ms. Muna Al Lawati**  
Section Head - Business Intelligence  
Oman Environmental Services Holding Co.  
S.A.O.C Building - Be'ah  
Bawshar Street 1188, Azaibah 130  
Oman  
Tel.: (+968) 24-228401  
Fax : (+968) 24-228301  
Email: [munai88@hotmail.com](mailto:munai88@hotmail.com)  
[muna.allawati@zeenah.com](mailto:muna.allawati@zeenah.com)

**Ms. Fatma Al Mujaini**  
MSW Strategies Manager  
Oman Environmental Services Holding Co.  
SAOC - be'ah  
Bawshar Street 1188, Azaibah 130  
Oman

**Mr. Saddam Al-Jaberi**  
Expert  
National Center for Statistics and Information  
Oman  
Email: [saddam@ncsi.gov.om](mailto:saddam@ncsi.gov.om)

**Platform for Accelerating the Circular Economy (PACE)**

**Mr. David B. McGinty**  
Global Director of the Platform for Accelerating the Circular Economy (PACE)  
The Hague, Zuid-Holland, Netherlands  
Email: [david.mcginty@pacecircular.org](mailto:david.mcginty@pacecircular.org)

**Union of Arab Chambers (UAC)**

**Ms. Rihab Nasser**  
In Charge of the Entrepreneurship Development Program  
Union of Arab Chambers (UAC)  
Beirut, Lebanon  
Tel.: (+961-1) 826020  
Mobile: (+961) 71 071972 – 81 971925  
Email: [edp@uac.org.lb](mailto:edp@uac.org.lb)

**Arabian Gulf University (AGU)**

**Ms. Sumaya Yusuf Hasan Abbas**  
Assistant Professor  
Environmental Management Program  
Natural Resources and Environment  
Arabian Gulf University (AGU)  
P.O Box 26671  
Manama, Kingdom of Bahrain  
Tel.: (+973) 17 239 450  
Fax: (+973) 17 239 552  
Mobile: (+973) 36577772  
Email: [sumayayousif@agu.edu.bh](mailto:sumayayousif@agu.edu.bh)

### **American University of Beirut (AUB)**

#### **Mr. Mohamad G. Abiad**

Director, Laboratories for the Environment,  
Agriculture, and Food (LEAF)  
Coordinator, Food Science & Management  
Program  
Associate Professor  
Dept. of Nutrition & Food Sciences  
Faculty of Agricultural & Food Sciences  
American University of Beirut (AUB)  
P.O. Box 11-0236 Riad El Solh  
Beirut – Lebanon  
Tel.: (+961-1) 350000 (Ext: 4824/4412/4546)  
Email: [ma192@aub.edu.lb](mailto:ma192@aub.edu.lb)

### **Lebanese American University (LAU)**

#### **Mr. Hussein Hassan**

Associate Professor of Food Science &  
Technology/Food Safety Program Coordinator  
Lebanese American University (LAU)/CE  
Tel. Office: (+961-1) 786456 (Ext. 1609)  
Beirut, Lebanon  
Email: [hussein.hassan@lau.edu.lb](mailto:hussein.hassan@lau.edu.lb)

### **Qatar University**

#### **Mr. Mohammad Al-Saidi**

Assistant Professor for “Natural Resources  
Governance”  
Center for Sustainable Development  
College of Arts and Sciences  
Qatar University  
P.O. Box: 2713  
Doha, Qatar  
Tel.: (+974) 4403 4952  
Fax: (+974) 403 4501  
Email: [malsaidi@qu.edu.qa](mailto:malsaidi@qu.edu.qa)

### **The University of Jordan (UoJ)**

#### **Ms. Diana Abu Ghunmi**

Associate Professor  
Department of Finance - School of Business  
The University of Jordan  
Amman, Jordan  
Email: [d.abughunmi@ju.edu.jo](mailto:d.abughunmi@ju.edu.jo)

### **C. Experts**

#### **Mr. David Bain**

Independent Expert  
Environmental Economic Accounts and Natural  
Capital Accounts  
The World Bank Project  
Australia  
Email: [davidbain51@gmail.com](mailto:davidbain51@gmail.com)

#### **Mr. Alessandro Galli**

Senior Scientist  
Global Footprint Network, and  
Director, Mediterranean-MENA Program  
Switzerland  
Email: [alessandro@footprintnetwork.org](mailto:alessandro@footprintnetwork.org)

#### **Mr. Reda Guellouchi**

Arab Office for Civil Protection and  
Environmental Affairs  
Arab Interior Ministers Council  
Rabat, Morocco  
Tel.: (+212) 6 63795717  
Email: [guellouchi.reda@gmail.com](mailto:guellouchi.reda@gmail.com)

#### **Mr. Yaqine Otmane**

Arab Office for Civil Protection and  
Environmental Affairs  
Arab Interior Ministers Council  
Rabat, Morocco  
Tel.: (+212) 66 179 4176  
Email: [otmanov70@gmail.com](mailto:otmanov70@gmail.com)

### **D. United Nations Organizations**

#### **Food and Agriculture Organization of the United Nations (UN-FAO)**

#### **Ms. Theresa Wong**

Natural Resources Officer (Climate Change)  
FAO/Regional Office for the Near East (RNE)  
Cairo, Egypt  
Email: [theresa.Wong@fao.org](mailto:theresa.Wong@fao.org)

**United Nations Department of Economic & Social Affairs (UN-DESA)**

**Ms. Reena Shah**

Chief, Environment Statistics Section (ESS)  
Environment Statistics and Geospatial  
Information Branch  
United Nations Statistics Division (UNSD)  
United Nations-Development, Economic and  
Social Affairs (UN-DESA)  
2 United Nations Plaza  
New York, N.Y. 10017, USA  
Email: [shahr@un.org](mailto:shahr@un.org)

**Mr. Xuan Che**

Associate Statistician  
ESS/UNSD  
UN-DESA  
2 United Nations Plaza  
Room DC2-1504  
New York, N. Y. 10017, USA  
Tel.: (1) 917 367 9065  
Email: [che@un.org](mailto:che@un.org)

**Mr. Marcus Newbury**

Statistician  
ESS/UNSD  
UN-DESA  
2 United Nations Plaza  
Room DC2-1512  
New York, N. Y. 10017, USA  
Tel.: (1) 212 963 0092  
Email: [newbury@un.org](mailto:newbury@un.org)

**Mr. Robin Carrington**

Statistical Assistant  
ESS/UNSD  
UN-DESA  
2 United Nations Plaza  
Room DC2-1403A  
New York, N. Y. 10017, USA  
Tel.: (1) 212 963 6234  
Email: [carrington@un.org](mailto:carrington@un.org)

**United Nation Office for Disaster Risk Reduction (UNDRR)**

**Ms. Mirna Abu Ata**

Regional Programme Officer - Statistics  
United Nation Office for Disaster Risk Reduction  
(UNDRR) - Regional Office  
Cairo, Egypt  
Email: [abuata@un.org](mailto:abuata@un.org)

**United Nations Educational, Scientific & Cultural Organization (UNESCO)**

**Mr. Abdelaziz Zaki**

Science National Professional Officer  
UNESCO Regional Bureau for Sciences in the  
Arab States  
UNESCO Cairo Office  
Cairo, Egypt  
Email: [aa.zaki@unesco.org](mailto:aa.zaki@unesco.org)

**United Nations University (UNU)**

**Mr. Kees Baldé**

Senior Programme Officer  
UNU-ViE SCYCLE  
Germany  
Email: [balde@vie.unu.edu](mailto:balde@vie.unu.edu)

**E. Co-organizers**

**League of Arab States (LAS)**

**Mr. Mahmoud Fath-Allah**

Director, Department of Environmental,  
Meteorological Affairs (EMA)  
Economic Sector  
League of Arab States (LAS)  
Cairo, Egypt  
Email: [mahmoud.fathallah@las.int](mailto:mahmoud.fathallah@las.int)

**Ms. Nadia Elchtioui**

Director, Statistics and Database Department  
League of Arab States (LAS)  
Cairo, Egypt  
Email: [nadia.chtioui@las.int](mailto:nadia.chtioui@las.int)

**United Nations Environment Programme  
(UNEP)**

**Mr. Abdul-Majeid Haddad**

Deputy Regional Director  
UN Environment Programme (UNEP)/  
P.O. Box 10880, Manama, Bahrain  
Tel.: (+973) 17812754  
Mobile: (+973) 360 44805  
Email: [abdul-majeid.haddad@un.org](mailto:abdul-majeid.haddad@un.org)

**Mr. Tarek Alkhoury  
Moderator & Speaker**

Regional Coordinator  
Resource Efficiency and Sustainable  
Consumption and Production  
UN Environment Programme (UNEP)/  
West Asia Office  
P.O. Box 10880, Manama, Bahrain  
Tel. (Dir): (+973) 17 812 759  
Mobile: (+973) 380 909 56  
skype: tarekhoury4 | twitter: @Tarek\_Alkhoury  
Email: [tarek.alkhoury@un.org](mailto:tarek.alkhoury@un.org)

**Mr. Abdelmenam Mohamed**

Regional Coordinator of Sciences  
UN Environment Programme (UNEP)/  
West Asia Office  
P.O. Box 10880  
Manama – Bahrain  
Tel.: (+973) 17812783  
Mobile: (+973) 36465046  
Skype: abdelmenam.mohamed  
Twitter: @menam2001  
Email: [abdelmenam.mohamed@un.org](mailto:abdelmenam.mohamed@un.org)

**Ms. Adriana Zacarias Farah**

Head and Global Coordinator  
Global Opportunities for SDGs (Go4SDGs)  
Resources and Markets Branch  
Economy Division  
UN Environment Programme (UNEP)/  
West Asia Office  
P.O. Box 10880, Manama – Bahrain  
Email: [adriana.zacarias@un.org](mailto:adriana.zacarias@un.org)

**Mr. Luc Reuter**

SwitchMed National Policy Coordinator at the  
UN Environment Programme (UNEP)  
Tel.: (+33) 144 37 19 87  
Paris, France  
Email: [luc.reuter@unep.org](mailto:luc.reuter@unep.org)

**Ms. Yara Abdul Samad**

Sustainable Lifestyle Expert  
UN Environment Programme (UNEP)/  
West Asia Office  
P.O. Box 10880, Manama, Bahrain  
Email: [yara.abdul-samad@un.org](mailto:yara.abdul-samad@un.org)

**Mr. Iyngararasan Mylvakanam**

Programme Management Officer  
Chemicals, Waste and Air Quality  
UN Environment Programme (UNEP)/  
West Asia Office  
P. O. Box 10880, Manama, Bahrain  
Tel.: (+973) 17-812756  
Skype: iyngara  
Email: [iyngararasan.mylvakanam@un.org](mailto:iyngararasan.mylvakanam@un.org)

**Ms. Yan Chang**

Associate Programme Management Officer  
UNEP  
Email: [chang.yan@un.org](mailto:chang.yan@un.org)

**Ms. Awatif Abdulla Al-Hammadi**

Programme Management Assistant  
UN Environment Programme (UNEP)/  
West Asia Office  
P.O. Box 10880, Manama, Bahrain  
Tel.: (+973) 17812788  
Mobile: (+973) 33779090  
Skype: Awatif.Abdulla1  
Email: [awatif.abdulla@un.org](mailto:awatif.abdulla@un.org)

**Ms. Bushra Mamoun Hattab**

UNEP International Consultant  
11623 Amman, Jordan  
Mobile: (+962) 77-7660284  
Email: [b\\_hattab@hotmail.com](mailto:b_hattab@hotmail.com)

**United Nations Economic and Social  
Commission for Western Asia (UN-ESCWA)**

**Ms. Reem Nejdawi**

Chief, Food and Environment Policies  
Section (FEPS)  
Climate Change & Natural Resources  
Sustainability Cluster (CCNRSC)  
UN House, Beirut, Lebanon  
Tel.: (+961-1) 978 558  
Fax: (+961-1) 981 510  
Email: [nejdawi@un.org](mailto:nejdawi@un.org)

**Ms. Wafa About Hosn**

Chief, Economic Statistics Section (ESS)  
Statistics, the Information Society and  
Technology Cluster (SISTC)  
UN House, Beirut, Lebanon  
Tel.: (+961-1) 978-353  
Email: [abouhosn@un.org](mailto:abouhosn@un.org)

**Mr. Fidele Byringiro**

Economic Affairs Officer (EAO)  
FEPS/CCNRSC  
UN House, Beirut, Lebanon  
Tel.: (+961-1) 978 509  
Fax: (+961-1) 981 510  
Email: [byringiro@un.org](mailto:byringiro@un.org)

**Mr. Ismail Lubbad**

Statistics, the Information Society and  
Technology Cluster (SISTC)  
UN House, Beirut, Lebanon  
Fax: (+961-1) 981510  
Email : [lubbad@un.org](mailto:lubbad@un.org)

**Ms. Lara Geadah**

National Officer of a Project  
FEPS/CCNRSC  
UN House, Beirut, Lebanon  
Tel.: (+961-1) 978 532  
Fax: (+961-1) 981 510  
Email: [geadahl@un.org](mailto:geadahl@un.org)

**Mr. Cameron Allen**

ESCWA Consultant  
Australia  
Email: [cameronallen01@hotmail.com](mailto:cameronallen01@hotmail.com)

**Ms. Julie Abouarab**

Senior Programme Assistant  
FEPS/CCNRSC  
UN House, Beirut, Lebanon  
Tel.: (+961-1) 978561  
Fax: (+961-1) 981510  
Email : [abouarab@un.org](mailto:abouarab@un.org)

**Ms. Rita Wehbe**

Economic Affairs Assistant  
FEPS/CCNRSC  
UN House, Beirut, Lebanon  
Tel.: (+961-1) 978513  
Fax: (+961-1) 981510  
Email: [wehbe@un.org](mailto:wehbe@un.org)

**Ms. Zahr Bou-Ghanem**

Research Assistant  
SISTC  
UN House, Beirut, Lebanon  
Fax: (+961-1) 981510  
Email : [bou-ghanem@un.org](mailto:bou-ghanem@un.org)

**Mr. Wassim Hammoud**

Statistics Assistant  
Statistics, the Information Society and  
Technology Cluster (SISTC)  
UN House, Beirut, Lebanon  
Tel: (+961-1) 978349  
Fax: (+961-1) 981510  
Email: [hammoudw@un.org](mailto:hammoudw@un.org)

**Mr. Christoph Rouhana**

Statistics Assistant  
Statistics, the Information Society and  
Technology Cluster (SISTC)  
UN House, Beirut, Lebanon  
Fax: (+961-1) 981510  
Email: [rouhanac@un.org](mailto:rouhanac@un.org)

**Mr. Moneem Murrah**

Administrative Assistant  
FEPS/CCNRSC  
UN House, Beirut, Lebanon  
Tel.: (+961-1) 978525  
Fax: (+961-1) 981510  
Email: [murrahm@un.org](mailto:murrahm@un.org)

**Ms. Layale Gedeon**

Research Assistant  
FEPS/CCNRSC  
UN House, Beirut, Lebanon  
Tel.: (+961-1) 978560  
Fax: (+961-1) 981510  
Email: [gedeonl@un.org](mailto:gedeonl@un.org)

**ESCWA Mailing Address:**

United Nations Economic and Social Commission  
for Western Asia (UN-ESCWA)  
P.O. Box: 11-8575  
Riad El-Solh 1107 2812  
UN House, Beirut – Lebanon  
Tel. : (+961-1) 981301  
Fax : (+961-1) 981510



