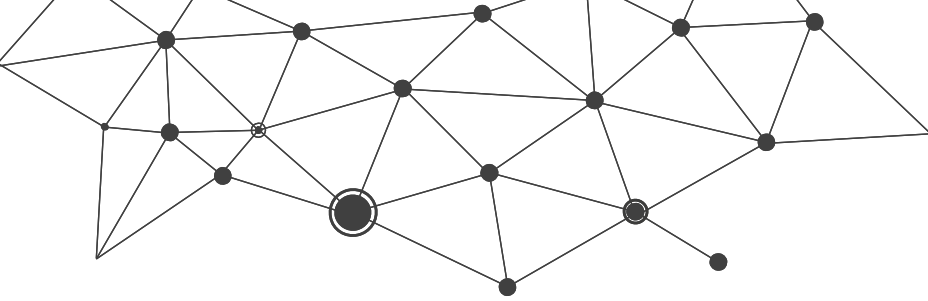


Connective Cities Practitioners' Workshop

From Waste to Resource –
Planning Integrated Solid Waste
Management Solutions

22 – 24 May 2016
Dead Sea / Jordan





„From Waste to Resource – Planning Integrated Solid Waste Management Solutions“

Crowne Plaza, Jordan Dead Sea

22 – 24 May 2016

BACKGROUND & OBJECTIVE

The Community of Practice for Sustainable Urban Development [Connective Cities](#) offers demand-oriented services to facilitate worldwide networking between urban practitioners for an application-oriented exchange of experiences, joint learning and the development of innovative urban projects in and across urban sectors. Connective Cities is a platform and network jointly organized by the German Association of Cities, Engagement Global – Service Agency Communities in One World, and GIZ.

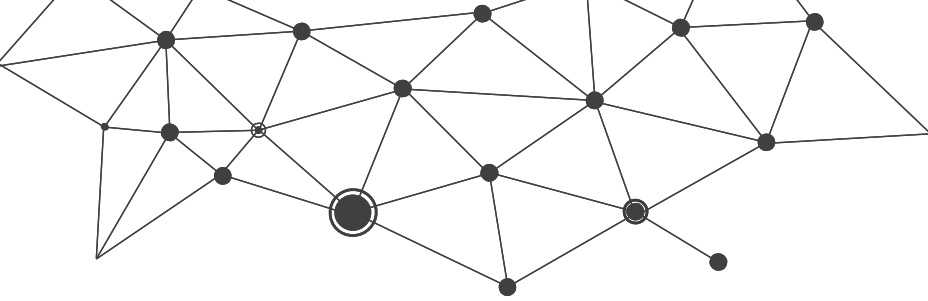
Since 2014, more than a dozen regional dialogue events in Asia, Sub-Saharan Africa, Latin America and Germany kicked-off a dialogue on sustainable urban development strategies in the thematic areas of ‘Good Urban Governance’, ‘Integrated Urban Development’, ‘Local Economic Development’ and ‘Municipal Services’.

During these “dialogue events”, participants presented good practice examples, discussed common challenges and entered into a fruitful peer-to-peer advisory process. The overall objective is to facilitate urban practitioners from municipalities, the private sector, civil society and academia to get involved into a global “community of practice” and to develop tangible results tackling specific issues that are of high relevance for their respective cities and for sustainable urban development in general.

The issue of solid waste is inextricably linked to the process of urbanisation. As countries urbanise, production and consumption patterns change, which in turn results in increasing amounts of waste. Thus, the global trend of urbanisation goes hand in hand with the responsibility to adequately handle growing quantities of waste.

In that regard Solid Waste Management (SWM) is an issue of high concern to cities in Jordan. While national entities are charged to establish legal frameworks for waste management, the responsibility to provide and operate this fundamental public service rests with local governments and their public utilities. Yet, due to the increasing number of refugees being hosted by Jordanian cities, municipal services are overstretched and require innovative solutions.

In response to this, Connective Cities has developed a workshop concept which supports urban waste management practitioners to learn from each other, exchange on good practices, and advise each other to create local action plans that improve solid waste management in an integrative manner.



SUBJECT

Waste is a double-edged sword: If managed poorly, it has tremendous negative consequences for cities, their inhabitants and the environment. Effective management, on the other hand, can not only reduce harmful effects of waste but may also unlock its economic and resource-saving potentials. Solid Waste Management thus is a vital municipal service related to public health, environment, climate, economic development and income generation.

In the face of increasing waste quantities, caused by growing populations and changing consumption patterns, many Jordanian cities struggle to provide their citizens with adequate SWM services. A lack of management, financial and technical capacities is generally deemed responsible for the critical state of SWM systems in the cities.

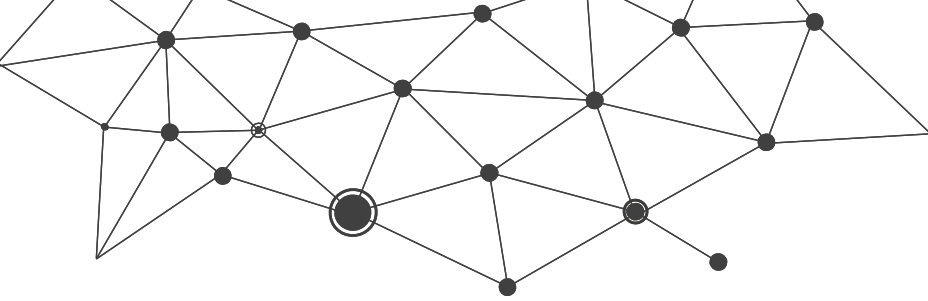
This Connective Cities workshop aims to introduce successful SWM practices, explore city-specific causes for and effects of insufficient SWM systems and identify potential strategies to tackle these problems. Based on the concept of Integrated Sustainable Solid Waste Management (ISWM), it addresses SWM in a comprehensive manner that includes both physical and governance dimensions along the four main functions of Municipal SWM:

- Prevention/Reduction
- Collection
- Reuse/Recycling/Recovery
- Disposal

Managing these functions requires adequate technologies on the one hand and suitable governance systems in place on the other hand. The workshop examines both dimensions by nurturing a debate on the following questions:

- Which technologies and strategies can be applied to provide for effective collection, environmental-friendly disposal and high rates in resource recovery and recycling?
- What are the institutional and policy related prerequisites for effective SWM?
- Which measures can be taken to ensure financial sustainability and promote inclusivity of SWM services?
- What are the roles for different stakeholders in an integrated SWM system and how can such a system be managed?

Acknowledging the complexity and variety of SWM practices, the workshop does not present universal solutions. Rather, it aims at enhancing capacities of participants to understand their local contexts and be able to choose a suitable mix from the different options available based on reliable and consistent data, identification of problems, framework conditions and respective objectives.

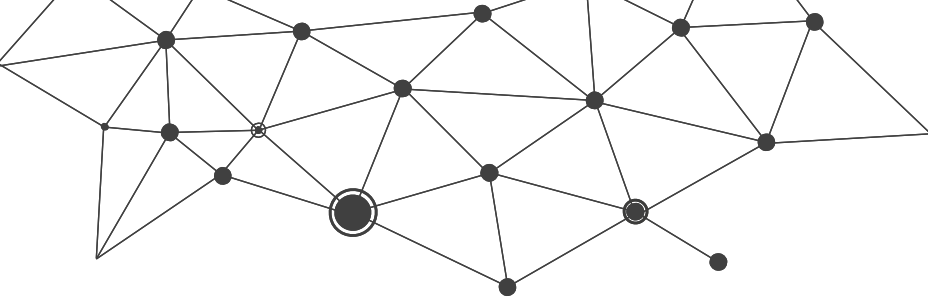


METHODOLOGY

The workshop is structured into three steps, one building upon the other. In a first session, a number of participants present good practices, providing an overview of contemporary approaches in SWM and examining respective preconditions and success factors. The second part aims at analysing specific local challenges and identifying potential solutions. The analysis is based upon short inputs which will be prepared and presented by participants. In a peer-to-peer advisory session, colleagues will diagnose, discuss and advise on the presented issues in order to help detect potential solutions. In a third step, participants will be given the opportunity to work on action plans – either city-based with other participants from the same city or topic-based, focusing on one specific aspect of solid waste management.

21 May 2016

Time	Agenda	Contents
17:00 – 18:30	Registration of participants	
19:00	Welcome dinner for all participants	

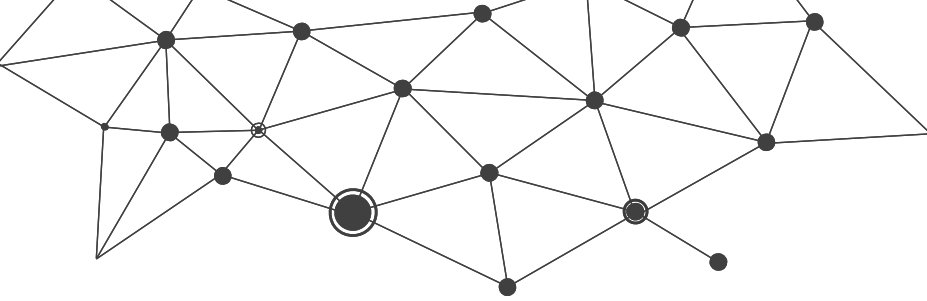


Day 1: 22 May 2016

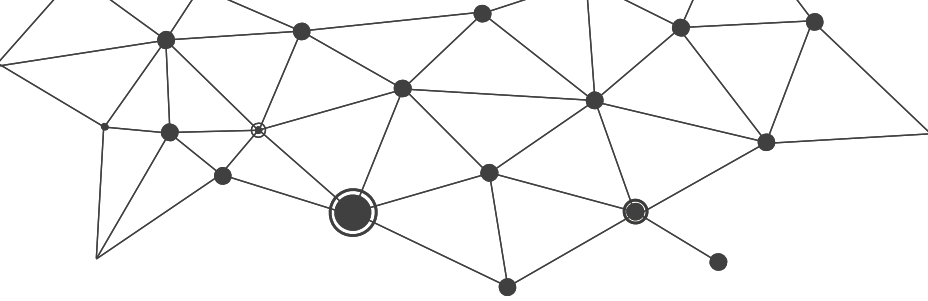
Getting Started: Introduction and Exchange on Good Practices

As a first step, participants and organizers of the workshop will be invited to introduce themselves and outline the framework for the workshop by discussing the main themes and questions for the days ahead. In the afternoon, a number of participants is going to present “Good Practices”, which illustrate application-oriented strategies for improving Solid Waste Management. Local good practices are supplemented by relevant practical experience from German municipalities. Through an exchange among participants, preconditions, approaches, challenges and lessons learned will be discussed.

Time	Agenda	Contents
08:30	Welcome remarks and introduction Agenda and objectives of the workshop	Words of welcome by: <ul style="list-style-type: none"> • Jordanian Government, Ministry of Municipal Affairs • German Embassy, Ms. Nina Lutter, Development Councillor • GIZ ADHOC Project; Mr. Patrick Poehlmann; Mr. Ralf Senzel, GIZ • Connective Cities; Dr. Manfred Poppe; Ms. Eva Prediger, GIZ
09:00	Introduction of participants	
09:15	Keynote on Municipal Solid Waste Management in Jordan	“Solid Waste Management in Jordan” - Factors that can improve waste management in Jordan, Eng. Hussain Mhaidat, Ministry of Municipal Affairs
09:45	Keynote on Municipal Solid Waste Management in Germany	“Integrated Solid Waste Management System - Requirements and success factors”, Ms. Gabi Schock, Stadtwerke Duesseldorf
10:15	Discussion on relevance of Integrated Solid Waste Management for Jordan	<ul style="list-style-type: none"> • What is the relevance of ISWM in Jordan? • Which steps should be pursued? • Which obstacles will have to be overcome?
10:30	Coffee break	
11:00	Practitioners’ corner: Gallery walk	Short explanation about content of Good practice examples
11:40	Practitioners’ corner: Presentation and discussion of Good Practices	Exchange about the good practices prepared by the participants in more detail



<ul style="list-style-type: none"> ● Cluster 1: Planning and implementation of modern and sustainable waste management ○ “Planning and implementation of modern and sustainable waste management”, Ms. Gabi Schock, Stadtwerke Düsseldorf ○ “Development of a National Strategy to Improve the Municipal Solid Waste Management Sector in the Hashemite Kingdom of Jordan”, Eng. Ammar Abu Drais, Consultant and Advisor for ministry in SWM 	<ul style="list-style-type: none"> ● Cluster 2: Separation and collection / collaboration with the population ○ “Separation, collection and cooperation” with the population in Bremen, Ms. Antje von Horn, Umweltbetrieb Bremen ○ “Evaluation of key figures for waste collection as a planning and control tool for routing optimizations in Irbid, Mafraq and Karak”, Mr. Ralf Senzel, GIZ project ADHOC
<ul style="list-style-type: none"> ● Cluster 3: Fleet management ○ “Preventive maintenance and quality control unit – fleet Irbid”, Mr. Abdallah Nazzan, Fleet manager of Irbid municipality ○ “Vehicle fleet of Stadtreinigung Hamburg”, Mr. Sven Winterberg, Stadtreinigung Hamburg 	<ul style="list-style-type: none"> ● Cluster 4: Recycling and recovery ○ “Recycling and Recovery in Eschweiler – Value chains and composting”, Mr. Hermann-Josef Ostlender, AWA Entsorgungs GmbH Eschweiler ○ Recycling facility in Karak, Mr. Mohammed Bustanji, GIZ project Waste to positive Energy project ○ “Animal Organic Waste Processing and Manufacturing of Compost – Summary Recent Experience in Jordan”, Eng. Ehab Manaseer, Green plans consult
<p>12:45 Wrap up</p>	<p>Success factors and prospects for replication</p>
<p>13:00 Lunch</p>	
<p>14:00 Excursion: Site visit</p>	<p>Composting site in Deir Alla</p>
<p>18:30 Dinner</p>	

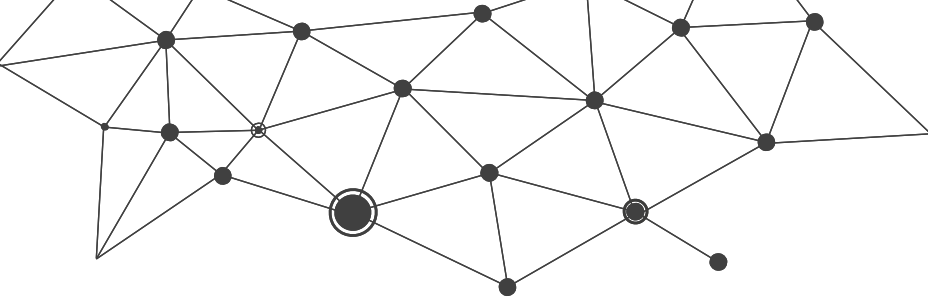


Day 2: 23 May 2016

Understanding Challenges: Peer-to-Peer-Advisory Session

On the second day, participants will present and discuss actual challenges from their cities in small groups. Afterwards, all participants - or peers - in the group will be invited to give their feedback, ideas and remarks on the presented studies. This peer-to-peer exchange, in which all participants are considered as “experts”, serves to better understand and analyse the individual city contexts as well as to identify first ideas addressing the presented issues. A set of questions will help to steer discussions in an analytical manner in order to prepare for the subsequent action planning session.

Time	Agenda	Contents
08:00	Introduction	Recap of day one Agenda
08:15	Presentation on Financing / cost and revenue in Hamburg and discussion	“Cost accounting and fees for municipal solid waste”, Mr. Sven Winterberg, Stadtreinigung Hamburg
08:45	Challenges in municipalities: Definition, analysis and peer-to peer advisory	<ul style="list-style-type: none"> • Introduction: What is meant by challenge? • Short consultation in municipal teams about challenges 1st Round of challenges (4 challenges) <ul style="list-style-type: none"> • Analysis of the challenge with guiding questions • Peer-to peer advisory
10:45	Coffee break	
11:15	Challenges in the municipalities: Analysis and peer-to peer advisory	2nd Round of challenges (4 challenges) <ul style="list-style-type: none"> • Analysis of the challenge with guiding questions • Peer-to peer advisory
13:00	Lunch	
14:00	Excursion: Site visit	Local recycling station in Karak
18:30	Dinner	

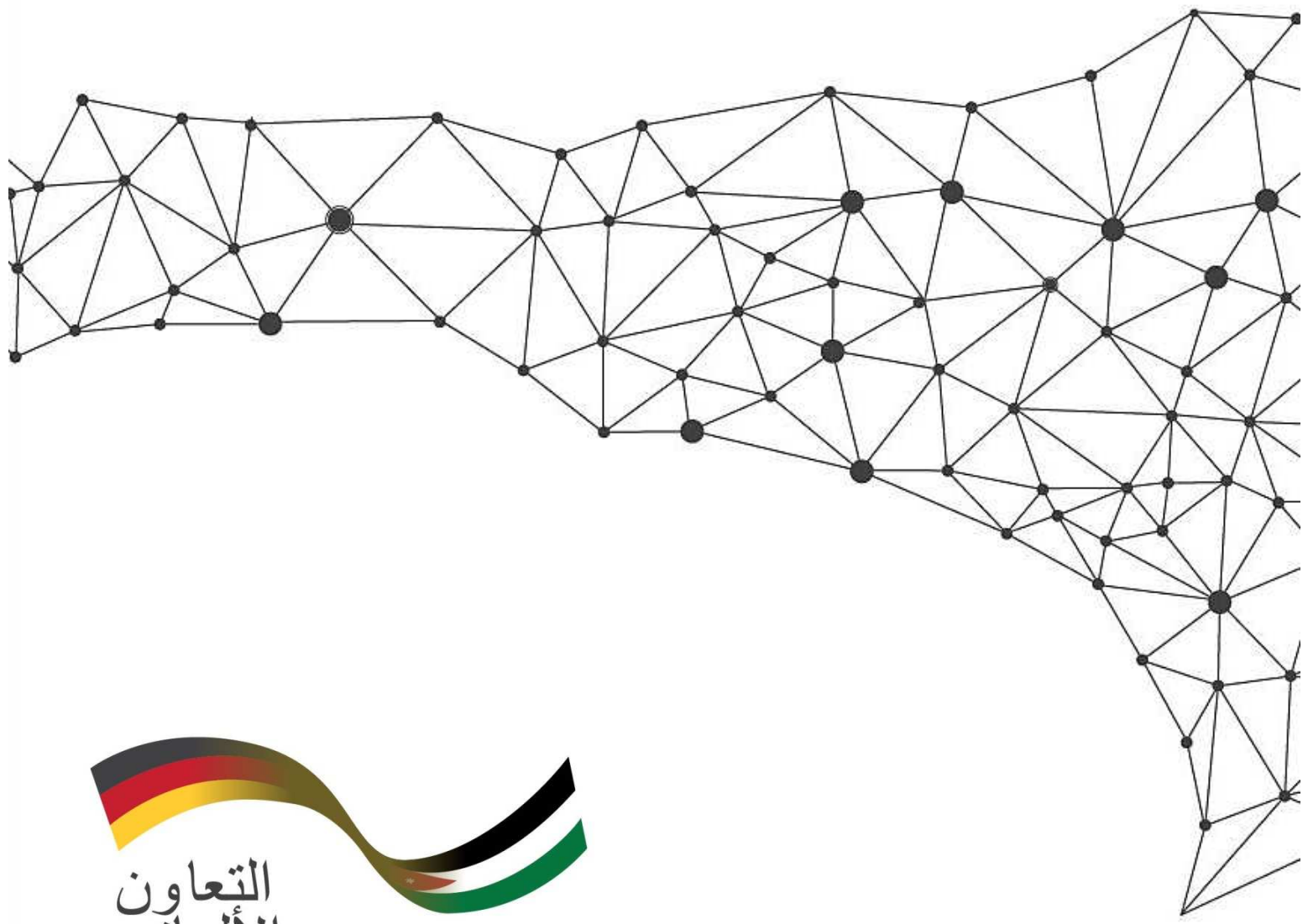


Day 3: 24 May 2016

SWM Action Planning Process

The third day of the workshop sets out to provide participants with a strategic vision and tangible results towards improving SWM in their cities. The approach is based on “action planning”, which is an output-oriented, actor specific planning process. The session includes methodological input for the whole group and intensive planning sessions in smaller groups, which may be composed either topic-specific (e.g. addressing a specific component of SWM according to the analysis of the previous day) or city-specific with a team from one city.

Time	Agenda	Contents
08:00	Introduction	Recap of day two Agenda
08:15	Methodical input: Action planning tools	
08:45	Working on action plans	<ul style="list-style-type: none"> Based on the discussions so far: identify options for project ideas to be developed Working on concrete project ideas of municipal or cross-municipal , thematically focused measures
10:30	Coffee break	
11:00	Working on action plans	Continuation
12:00	Presentation of action plans, feedback and advice	
13:00	Lunch break	
14:00	Prospects for further engagement with Connective Cities	
14:25	Commitments for further collaboration	
14:40 – 15:00	Wrap up and farewell	



On behalf of



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