Experience with UNSD Pilot Survey on Climate Change
Eng. Sona Abuzahra
New York, 16-18 May 2018
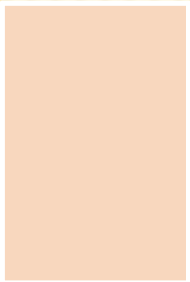
FIFTH MEETING OF THE EXPERT GROUP ON ENVIRONMENT STATISTICS

ROLE OF ENVIRONMENT STATISTICS DIVISION

Enhance our environmental surveys to bridge data gap

Share data upon request for reporting requirements

Main stakeholder with MOENV team

FDES

A tool help us to assess the sectors to be improved

Classification of Environment statistics

Definitions and data sources

GIZ ROLE IN MOENV

GIZ is currently supporting the Ministry of Environment (MOENV)

for the implementation of the National Climate Change Policy

enhancing inter-sectoral coordination between national stakeholders involved in the implementation of the Policy. Through:

Developing a strategic roadmap for inter-sectoral coordination

Capacity Needs Assessment for National Stakeholders

strengthening the capacity of the newly established climate change directorate

REPORTING ON CLIMATE CHANGE

1994
- Initial Communication Report under the UNFCCC
- CO_2 emissions from Energy sector(IPCC Reference Approach 1994)
- GHG Agriculture, Liquid Waste Treatment Plants, Domestic Solid Waste

2000
- Jordan's Second National Communication to UN Convention on Climate Change
- GHG Inventory, Mitigation, Vulnerability and Adaptation, Gaps and Constraints

2006
- Jordan's Third National Communication to UN Convention on Climate Change
- GHG emissions in base line scenario, Mitigation scenarios 2006-2040, means of implementations

DATA GAPS

data availability in the format and quality needed for GHG inventory

Private institutions (i.e industries) are not obligated to disclose their data to MOENV

Lack of institutional arrangements for data collection and data sharing

cover all the information required by the IPCC methodology for inventory.

NEEDS TO ADDRESS THE IDENTIFIED PROBLEMS AND CONSTRAINTS

- Develop a GHG inventory data system aiming at

collecting data in the needed quality and format. This system should include institutional arrangements to facilitate data collection and sharing among the various national institutions. Also, this system should include a legislative framework to obligate private sector to report the required data.

- Conduct surveys, studies and scientific research aiming at developing disaggregated activity data and emission factors needed for the GHG inventory

- estimation with special focus on key emission sources

NEEDS TO ADDRESS THE IDENTIFIED PROBLEMS AND CONSTRAINTS

- Conduct studies with regional cooperation aiming at developing regional emission factors.

- Develop the local capacities in using the new guidelines, methodologies, tools and software.

- Secure and mobilize financial resources to address the above mentioned needs.

JORDAN RESPONSE TO CC SURVEY AVAILABLE INDICATORS:

* Special meeting with MOENV is conducted to respond to all survey indicators

* The indicators classified into 3 categories according to the level of data availability (Tier)

JORDAN RESPONSE TO CC SURVEY (AVAILABLE INDICATORS - 18):

No.	Name	Comment
1	Total Primary Energy Supply (TPES)	Every year
2	Share of fossil fuel in TPES	Every year
4	Total support of fossil fuel/GDP	(To be calculated)
8	Energy Consumption by household/capita	Every year
9	Total GHG emissions	Every 2 years
10	CO_2 Emission from fuel combustion	Every 2 years
11	GHG Emission from Land Use	Every 2 years
16	Annual average surface temperature	Every year
18	Level water Stress	Every year
23	Occurrence of extreme weather events	Every year (infrastructure and country situation)
29	Renewable energy share in final energy consumption	MEMR

JORDAN RESPONSE TO CC SURVEY (AVAILABLE INDICATORS):

No.	Name	Comment
30	Share of climate change mitigation expenditure in GDP	MOENV+MEMR
31	Share of energy and transport taxes in total taxes	Ministry of Finance
34	Mobilized Amount of USD per year starting 2020 accountable toward USD 100 million commitment	MOENV
35	Share of government adaptation expenditure to GDP	MOENV+DOS
36	Change in Water Use efficiency over time	Base line 2015
37	Proportion of population living in dwelling with air conditioner	DOS
38	Progress toward sustainable forest management	MOA

INDICATORS UNDER DEVELOPMENT (9)

No.	Name	Comment
5	Total Energy intensity of production activity	MOENV+MEMR+DOS
6	CO_2 intensity of energy for the economy	MOENV+MEMR+DOS
12	Total GHG emission per production activities	MOENV+ Other institutions
13	GHG intensity of production activities	MOENV+ Other institutions
22	Number of death attributed to hydro-metrological disasters	Civil Defense
24	Direct economic loss attributed to hydro – metrological disaster	MOA

INDICATORS UNDER DEVELOPMENT

No.	Name	Comment
26	Distribution of cases for vector born diseases	MOH, MOA
28	Direct Agriculture loss attributed to hydro-metrological disasters	MOA+MWI
39	Proportion of Agriculture land under productive and sustainable agriculture	MOA, Organic agriculture, Law

SOME AREA WITH NO STRICT DEFINITIONS

- Sustainable forest Management

- Sustainable Agriculture Area under Productive and Sustainable Agriculture

- Extreme events depends on country infrastructure and assessment of 50 years metrological data to have correct estimation
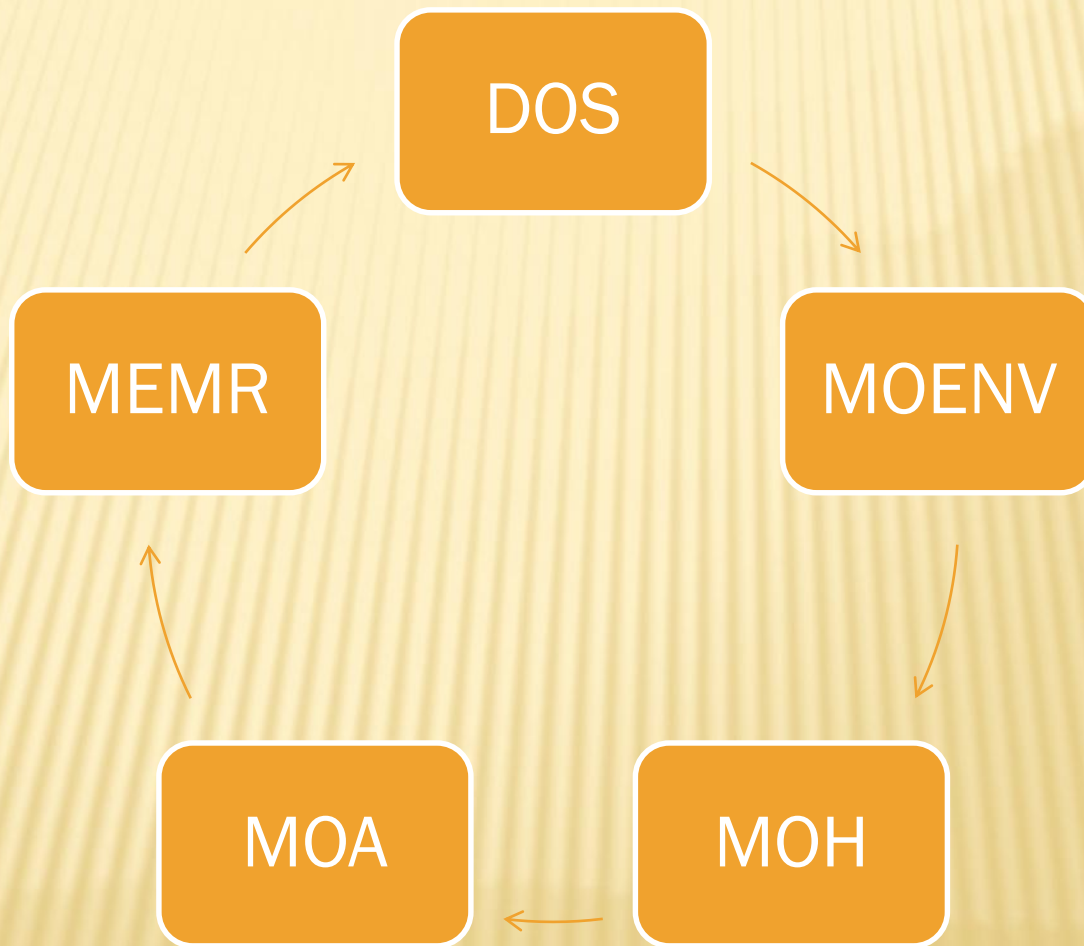
INDICATORS NOT AVAILABLE (12)

No.	Name	Reason
3	Losses of land covered by semi-natural vegetation	Forest part is available but the grass land part is not available which is very difficult to monitor
7	Emission intensity of agriculture commodity	at the country level we have low to medium production activities which mean that we are not interested in this indicator currently
14	Direct GHG emission from Household	I think we can estimate this using Household income and expenditure survey
15	Carbon Footprint	Data availability, technical assistant & capacity building
17	Standard precipitation index	Data availability, technical assistant & capacity building

INDICATORS NOT AVAILABLE

NO.	Indicator	Comment
19	Cumulative No. of alien species	Data not available
20	Carbon Stock in soil	Data not available
21	Proportion of degraded land over total area	Need Monitoring
25	No. of people who destroyed dwelling because of hydro-metrological data	Data availability
27	Heat Related mortalities	Some situation of death caused by heat and not registered the actual cause
32	Total climate change related subsidies and similar transfer/GDP	No available data
33	Average Carbon Price	No available data

MAIN DATA SOURCES FOR CC INDICATORS

SURVEY SAMPLE

INDICATOR AVAILABILITY	IF THE INDICATOR IS AVAILABLE																	IF THE INDICATOR IS NOT AVAILABLE				
Question 1	Question 2	Question 3	Question 4									Question 5	Question 6		Question 7		Question 8	Question 9	Question 10	Question 11	Question 12	Question 13
1 Is this indicator available in your country? If not, go to question 9	2 What is the development stage of the indicator?	3 Do you expect that the compilation and dissemination will be continued in the foreseeable future?	4.1 Is this indicator compiled by the NSO?	If 4.1 is no: 4.2 Which institution compiles this indicator in your country? — Ministry	Please specify	Institution / Agency	Please specify	Research/ University	Please specify	Other	Please specify	5 Is this indicator available on regular basis?	6 Which are the available reference years? 6.1. First available year	6.2. Most recent year	7.1 Is the indicator reported to international organizations?	7.2 If YES, which international organzations?	8 Do you have official publications or websites which are using or releasing this indicator?	9 Which are the main problems in developing this indicator?	10 Which data are missing?	11 In your opinion, can this indicator be available in the next few (maximum 3) years in your country?	12 Please specify what would be required to have the indicator available (e.g. revised statistical law or statistical programme, country examples, guidelines, clarification of the role of NSO, coordination, capacity building, technical assistance, etc.).	13 Do you produce and/or publish a similar alternative indicator? If yes, which one?
yes / no	fully mature / under development / pilot	yes / no	yes / no	yes / no	text	yes / no	text	yes / no	text	yes / no	text	Available every year / every 2 years / more than 2 years	year	year	yes / no	text	text	yes / no	text	text	yes / no	text

REMARKS

* Available indicators are fully mature

* The responsible agency for dissemination of SDGs is DOS

* Calculation must be done with strong coordination and agreement of the responsible agency (ex. MWI,...)

* Jordan is a pilot country in implementation of SDG6

CHALLENGES

* Enhancement of the environmental surveys to have physical data on activity level (ISIC)
* Insufficient data related to (LULUC, transport and solvent sectors)
* The data is available to calculate some indicators but until now we didn't calculate them (ex. Of mitigation expenditure.....)
* Restricted Financial resources
* Needs for technical assistance and capacity building

OPPORTUNITIES

- High cooperation level with international organizations
- Work is developed and ongoing
- National Statistics Strategy (NSS)

Thanks For Your Attention

SONA ABUZAHRA

Head of Environment Statistics Division

National focal Point with UN on SDGs

suna@dos.gov.jo

sona1z@yahoo.co.uk