

H2020 Review and Monitoring (RM) workshop on Assessment  
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# Assessment of data collection and H2020 indicators development in Jordan, Tunisia, Algeria

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# Visit to Jordan

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- Two days visit (Industrial emissions)
- Skype meetings
- follow-up by phone & email
- Social media tools

# People met during Amman visit

	Name	Department/Position
1	Faraj altalib	Director of Monitoring & Assessment Directorate (SEIS focal point) / MoENV
2	Mohamad Afana	Director of Policies and international cooperation Directorate (H2020 focal point) / MoENV
3	Ali Almashni	Head of State of environment Section / MoENV
4	Sayyed Saleh	Head of Environmental Monitoring Section / MoENV
5	Majed Aladwan	Directorate of Environmental Monitoring & Assessment / MoENV
6	Ahmad Abu Awwad	Directorate of Environmental Monitoring & Assessment / MoENV
7	Thamer Alzaben	Directorate of waste management and hazardous substances / MoENV
8	Raifa Jamos	Directorate of Inspection and Environmental Audit / MoENV
9	Enas Arabyat	Department of Statistics, Environmental statistics division
10	Tala Al Khodari	Aqaba Special Economic Zone Authority, Head of Environmental monitoring & assessment/ MoENV

# Meetings and Discussion

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- Identification of data sources (MoENV, Statistics, Aqaba)
- Exploration of data availability by category and type
- Methodologies and protocols applied
- Assessment of first data provided
- Coverage: All Jordanian territory

# First outputs

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- Assessment of the current national situation on environmental data collection from Industrial sector
- Additional data needed for H2020 indicators related to Industrial emissions
- Support for coordination amongst all data sources and providers
- Roadmap for data collection and emission calculation (working plan with tasks and assignments, deadline)
- Identification of data available from the Statistics dept based on a national survey in year 2017 (1500 ind. plants) on pollutant releases (data survey results available since 2006)
- Support provided for industrial emission calculation

# First assessment results 1/2

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- Existing of high level staff in all departments with good knowledge on industrial emissions (MoEnv & Statistics dept)
- Existing of three levels of environmental inspection and control (MoENV, Env. Directorates in Governorates, Aqaba) with data
- MoENV staff is overloaded and lack of environmental statistical service within MoENV
- Lack of a national environmental data base or environmental national system for environmental data collection with systematic reporting from Env. Dir. In Governorates on pollutant emissions and other sources

# First assessment results 2/2

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- Low coordination and data exchange between department of statistics and MoENV (ad hoc) and more integration is needed
- Low reporting on methodologies applied for pollutant measurement, calculation or estimation
- Low of reporting on information and methodologies related to data collection, industrial activity (process, fuel, abatement technology, input raw material, etc.)
- No QC system and uncertainty estimation for all data collected

# Main remaining issues to be tackled in Jordan

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- Completeness of data collection from Env. Dir. In Governorates (template)
- Use of data from department of statistics (divisions of environment and industry & energy) since 2006 up to 2017
- Data cross check and data quality control (methodology, system)
- Improvement of the questionnaire on environmental pollution developed by Dept of Statistics for industry (in cooperation with MoENV)
- Reporting on methodologies used and information from emission sources



## Summary of Data Collection in Tunisia

IND	Indicators	Sub-indicators	Data collection
6.1	Nutrients	6.1.1 : DBO ✓	Available, aquired
		6.1.2 : NT ✓	Available, aquired
		6.1.3 : PT ✓	Available, aquired
6.2	Toxics	6.2.1 : Heavy metals	Available, Collection in progress
		6.2.2 : Dioxines-furanes ✗	Not Available, Source not identified
		6.2.3 : HAP	Collection in progress
		6.2.4 : COV ✓	Activity data available, acquired
6.3	Hazardous	6.3.1 : Generated hazardous waste ✓	Available, aquired
		6.3.2 : Hazardous waste disposed ✓	Available, aquired
6.4	Compliance	6.4.1 : Number of reporting industrial installations ✗	Data not available
		6.4.2 : Number of environmental inspections ✓	Available, aquired
		6.4.3: Number of eliminated hotspots	Available, Collection in progress

# Tunisia

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- Meetings and discussion with National consultant
- Most indicators are populated
- Data QC
- Trend analysis and comments

# Algeria

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- 02 meetings with NFPs
  - Questionnaire sent
  - Responses received for 12/14 from industrial directorates
  - Awaiting for environmental directorates responses
  - ONEDD: collected measurements results 08/14
  - Statistic Agency: AD of industrial sector for 14 coastal Wilaya 2014-2018
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- FPs changed many times
  - Communication is very slow
  - Data not centralized
  - Reporting not standardized
  - Data available but difficult to gather

# How to move forward with IE H2020 Indicators

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Main issue is data collection (usually available)

- Data available but difficult to gather
  - Measurements (Nutrients, Toxics): monitoring laboratories, research institutes, universities
  - Statistics (hazardous, compliance)
- Territory coverage (completeness): updating source list
- Derive EF for categories or subcategories (for existing measurements): National EF database
- Use of default EF as appropriate
- **Activity data collection (plant data production): statistics, surveys, associations**
- **Quality Control: consistency, completeness, accuracy**

# Thank you



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