H2020 Review and Monitoring (RM) workshop on Assessment 10th meeting of the Horizon 2020 Review and Monitoring (RM) Group 23-24 September 2019 in Athens, Greece

Country presentation Jordan



This project is funded by the European Union





Overall national

Key Messages

M.O.Environment Strategy	Statistics Strategy	Other Data Sources	On-going Information Systems Projects							
 To prevent and reduce the negative impacts on the environment caused by pollution & climate change Programmes 	 Environmental Statistical Strategy Creation of Environmental Statistics Unit within MOEnv. Capacity Building Infrastructure 	 Department of Statistics Ministry of Water and Irrigation/ Laboratories Ministry of Health/ Laboratories Ministry of Municipalities 	 National Monitoring and Information System for Solid Waste/ HW. National Water Information System. Needed Information Systems Information System for Industrial Emissions							

Methodology

Treated IWW

Received in QIZ -IWWTP

Factories Covered in NWMP Quantities of IWW

Measurements Carried out by RSS accredited laboratories for MoEnv.

Calculated

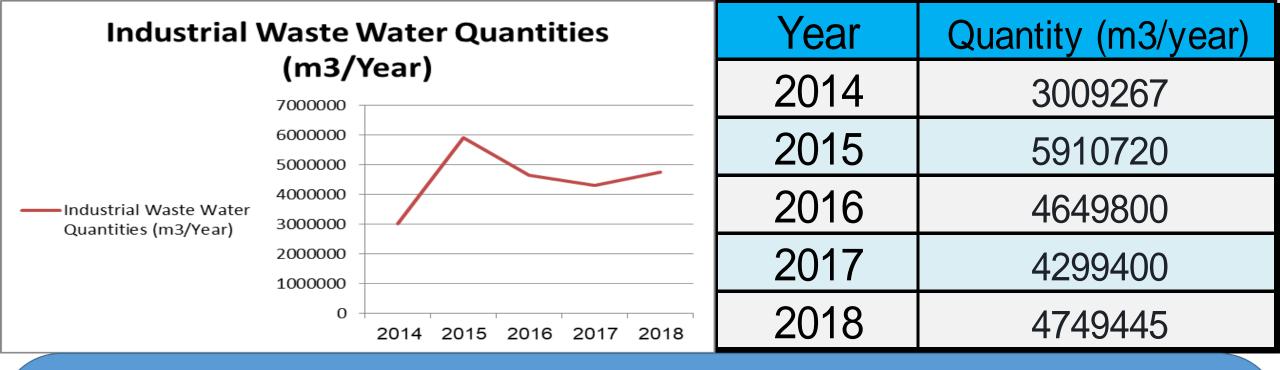
Quantities of

Industrial Emissions

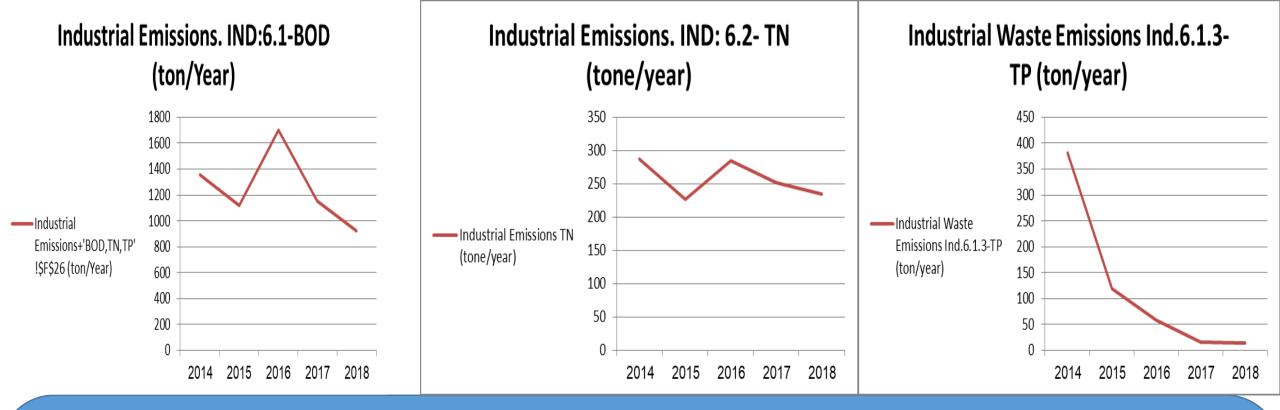
Averages of Concentrations

Quantities of

Measurements from NWMP



Decrease in Industrial Activities and Change of some Activities.
-NWMP- cover only 40 industrial Activities Yearly
List of factories in which industrial wastewater is monitored are replaced by new ones that do not exceed the permissible limits in the Jordanian standard.

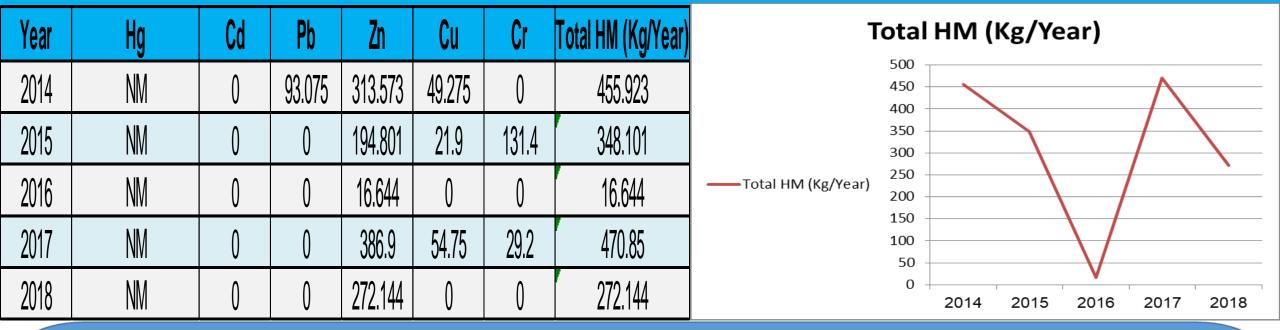


 All the graphs show the depth of the industrial recession in Jordan resulting from Conflicts in the Regional that led to the closure of markets for these industries.

A large number of factories in some sectors are completely stopped

The process of replacing factories in the list of monitored facilities

6.2.1 - Total heavy metals load released from industrial installations



 All the Measurements with zero Value are under the Detection Limits of the Instruments.
 The Values reflect the problem of industrial recession.



Challenges & Difficulties

- Lack of Budget to cover monitoring of all Industrial Plants.
- Focus on Large and medium-sized industrial facilities.
- Weak communication between regulatory bodies and industrials
- Low level of reporting from industrial activities
- Lack of national reporting system from industries





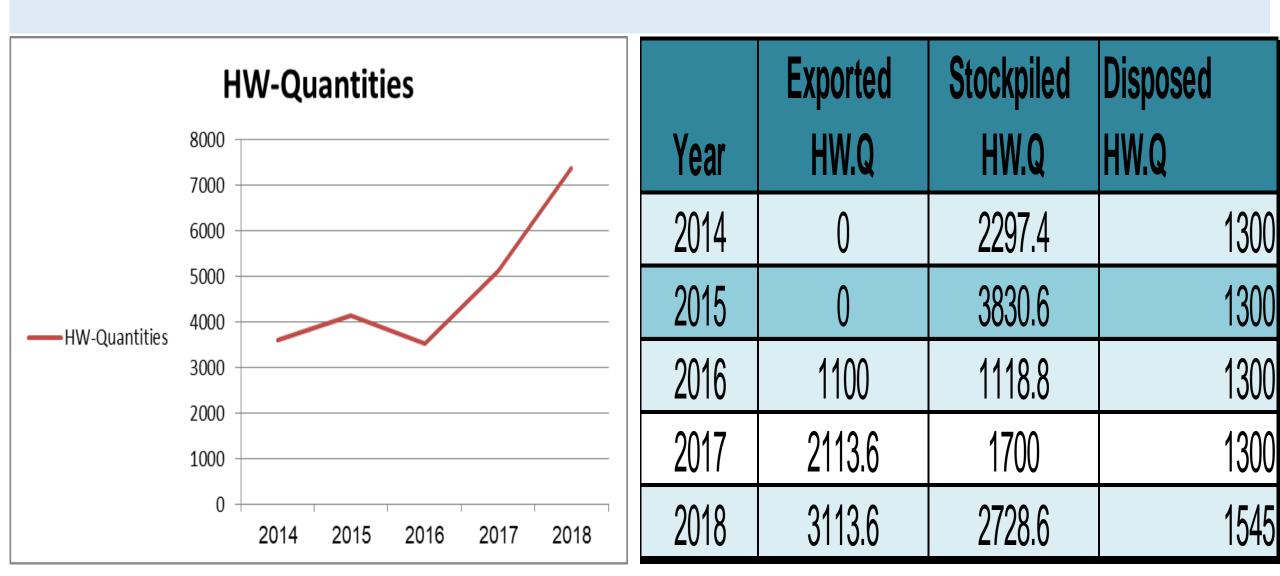
Water

- Decentralized Wastewater Treatment Plants up to 5000 PE
- The National Framework for Decentralized Wastewater Management in Jordan has been developed including Monitoring, Standards, Operation, Maintenance and Responsibilities
- Certification of prefabricated wastewater treatment plants up to 500 PE
- The domestic wastewater treatment plants have been upgraded in terms of the techniques used, since the use of natural treatment plants has been completely discontinued
- Data are available but collection is ongoing (requested and sent)

Waste

					Governerate	2014	2015	Average		
Total MW			Amman	0.05	0.07	0.06				
			Balqa	0.07	0.07	0.07				
			Zarqa	0.05	0.05	0.05				
					Madaba	0.01	0.07	0.04		
	4500000 —				Irbid	0.05	0.05	0.05		
					Mafraq	0.05	0.04	0.045		
	4000000				Jarash	0.07	0.52	0.061		
					Ajlun	0.09	0.09	0.09		
	3500000 -				Karak	0.08	0.10	0.09		
	000000				Tafilah	0.08	0.06	0.07		
	3000000 -				Ma`an	<u> 0.07</u> 0.01	0.07	0.07 0.01		
	500000				Aqaba	0.01	0.01	0.01		
T 1 0 0 1	2500000 -				Average of Plastic Waste Generation per Capita for the years, 2014,					
	2300000									
	2000000 -				2015/Jordan Certified Waste					
i otai iiiii	200000				Management Guide 2016					
	1500000									
	1500000 —				Amman					
	4000000				 Balga 					
	1000000 +				Zarga					
	500000				Madaba					
	500000 —				Irbid					
					Mafraq					
	0 +				Jarash					
		2014	2015	2017	Ajlun					
		/ 1 1 4	////11		Karak					

HAZARDOUS WASTE



- New strategy for municipal solid waste management for the period 2017-2030
- Support received from EU to implement the strategy
- Real time monitoring of waste quantities through Wellbridge from landfills to the national monitoring information system at the MoENV
- 40 Indicators are setup within the project where all SEIS indicators are covered for waste





SSFA – Support

National consultant:

- All procedures of hiring the national consultant finished
- The national consultant selected and contract is in process of signature
- The national consultant will contribute to complement data gathering and analysis
- Data checks

• Regional expert:

- Clarification of methodologies and indicators
- Support, coordination and guidelines for data collection
- Assessment of Jordan situation in Industrial emissions
- Recommendations for calculation methodologies
- Assessment of the environmental survey on industry questionnaire and results
- Need for support to improve the template and data analysis
- Need for further support to select and use appropriate Emission Factors for IE

Thank you for your attention!



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