

# International Conference “TouMaLi - Extended sector responsibility for sustainable tourism and circular economy”

Contribution of “TouMaLi” for sound waste management systems and sustainable tourism  
Day 2 – Session 4  
11.10.2022

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## Current Waste Management Situation in the MENA-Region

⚡ **90 - 95 % of MSW is landfilled or dumped**



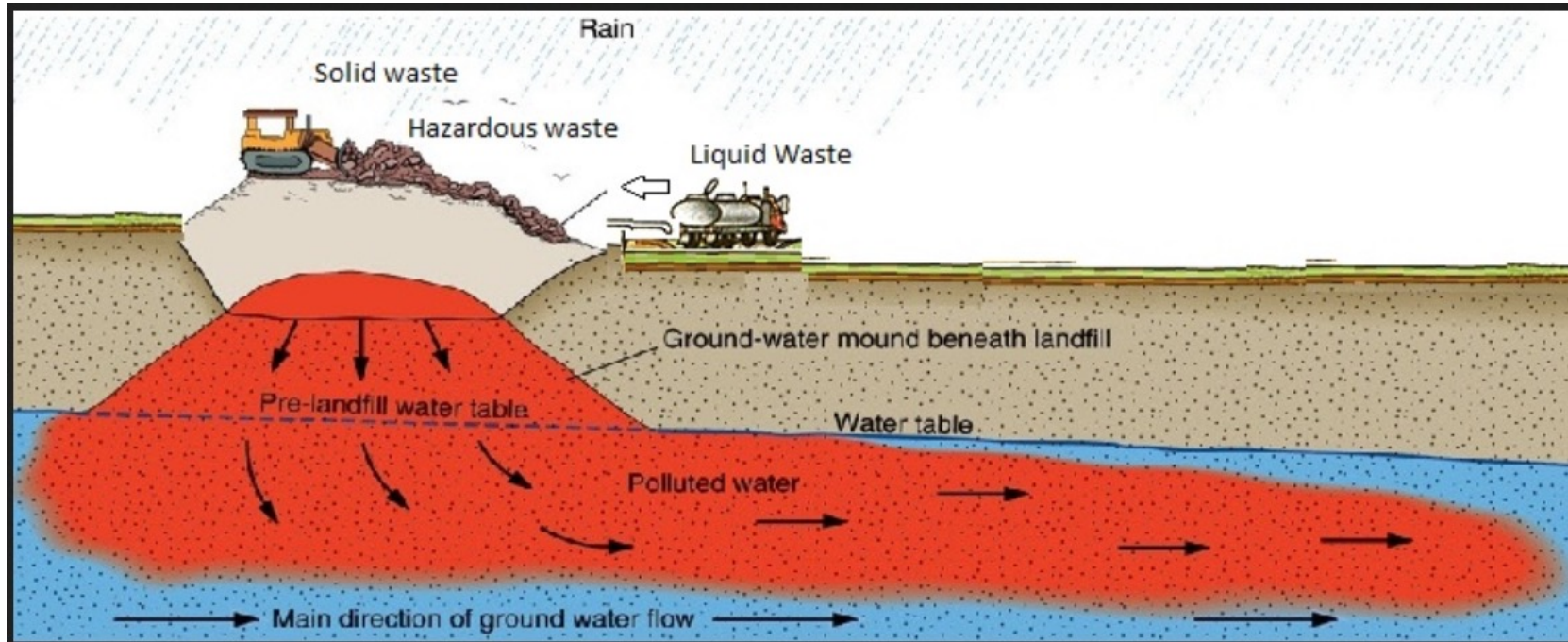
⚡ **05 - 10 % of Recycling is mostly done by the informal sector**



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## No solutions for pollution of environmental resources

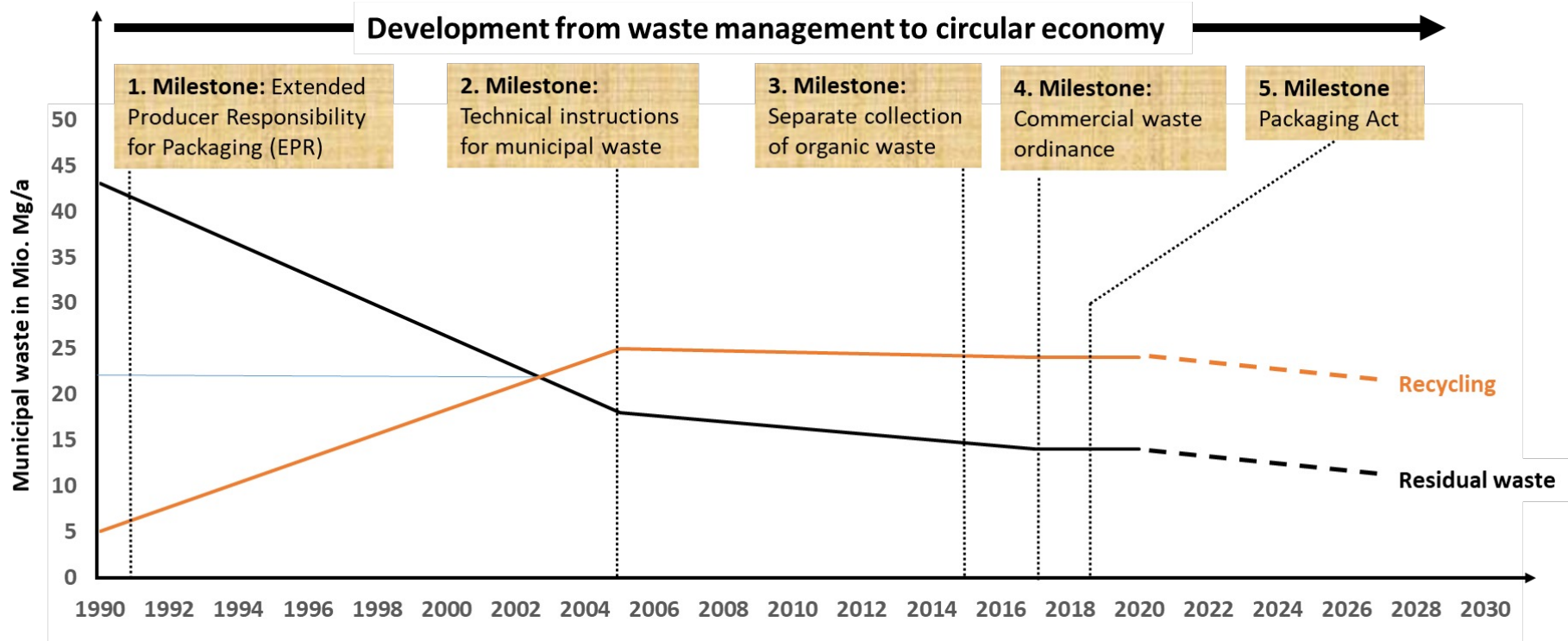


Source: Mohammad Aljaradin<sup>1</sup>, Kenneth M. Persson<sup>2</sup> <sup>1</sup>Tafila Technical University, Natural Resources Department, Engineering Faculty, Tafila, Jordan

<sup>2</sup>Lund University, Department of Water Resources Engineering, Lund, Sweden

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## Milestones development of waste management in Germany



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# Waste management and circular economy is politic, responsibility and organization more than technique

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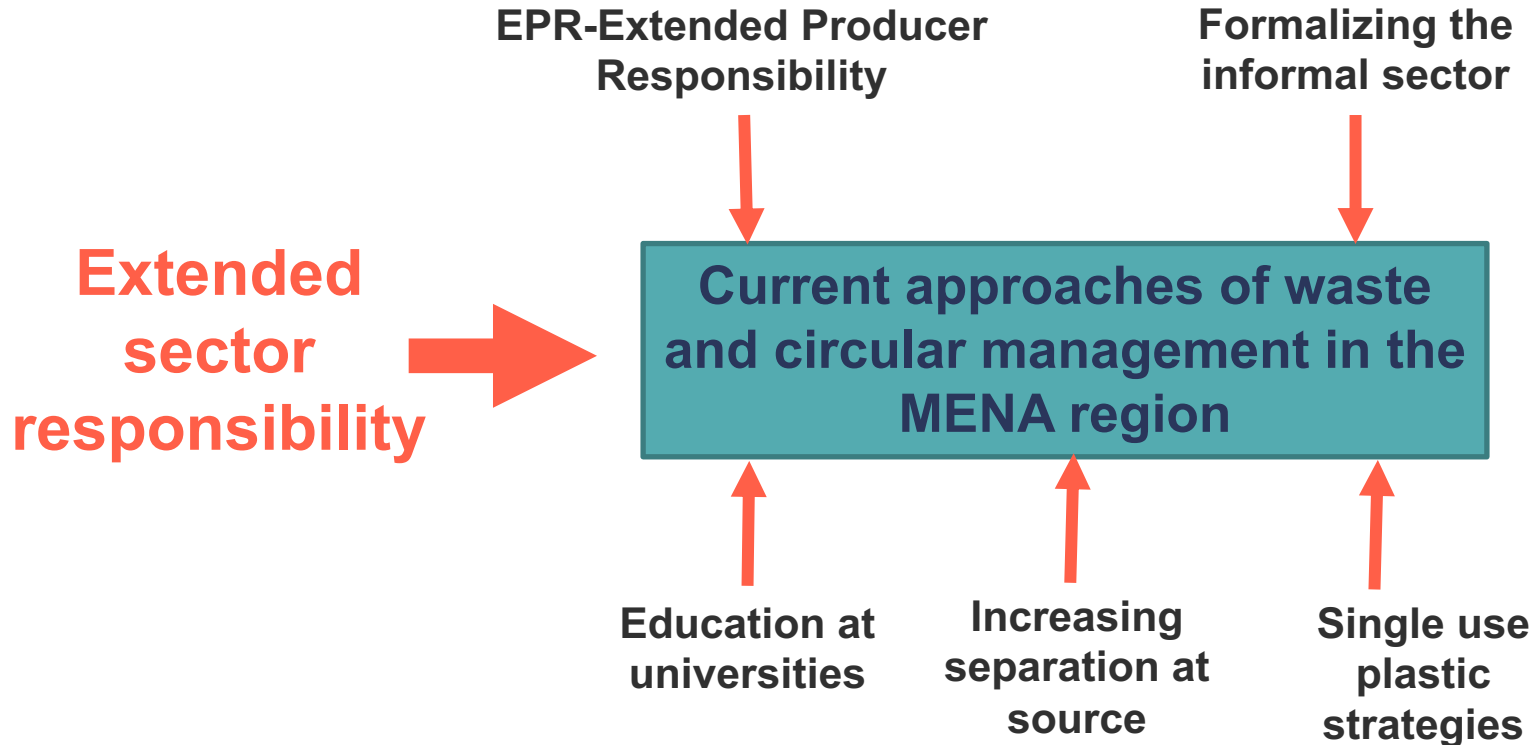
Simple solutions are needed!



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## Current approaches of waste and circular management in the MENA region



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## Link between Waste Management & Tourism

- In 2016: **4.8 million metric tons of waste** (14 % of total MSW) from **tourism** (UNEP, 2016)
- Large use of **SUPs in HORECA** facilities
- Great **seasonal changes** in waste generation
- **Tourists** in Tunisia (e.g.) produce **up to three times as much solid waste** per capita per day as locals



**Tourism Sector amplifies the problem and is highly effected & suffering from it's consequences**

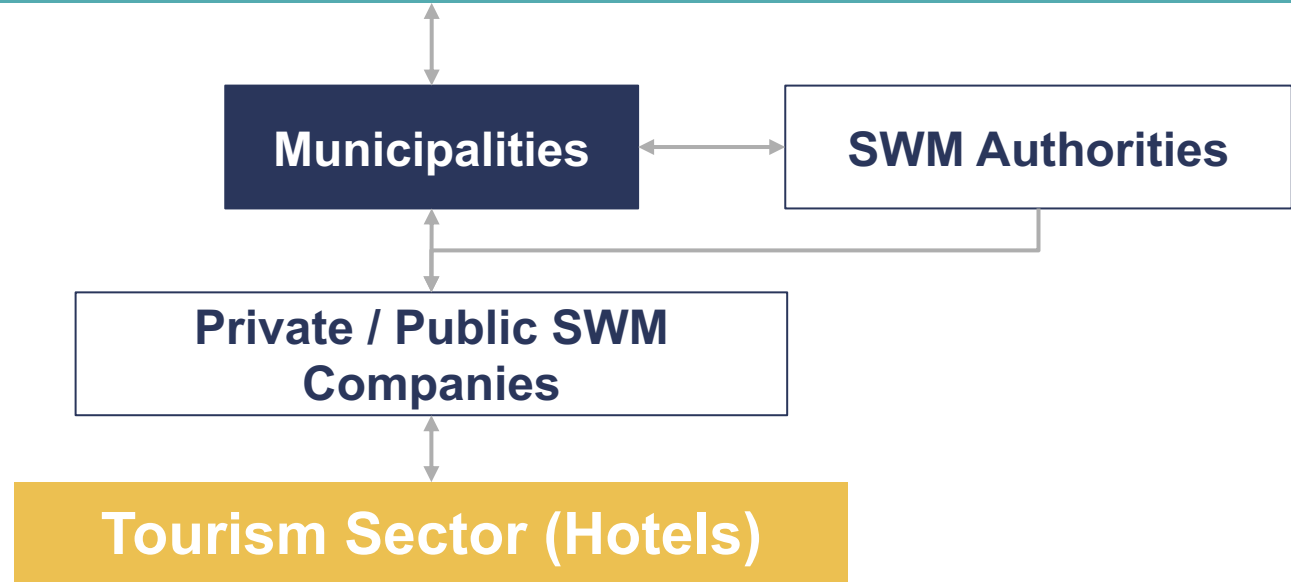
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## Common Organizational Structure / WM Hierarchy

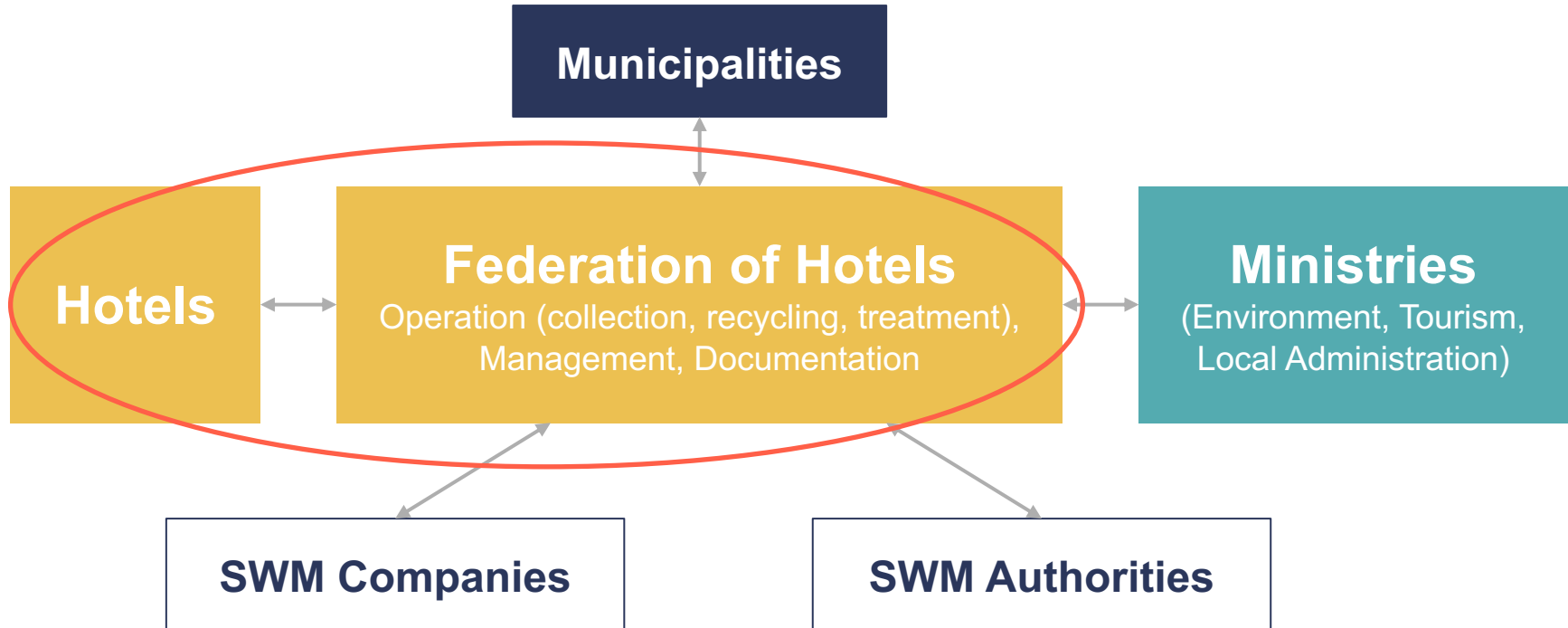
### (Regional) Government / Ministries

(Environment, Tourism, Local Administration)



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## Solution Approach

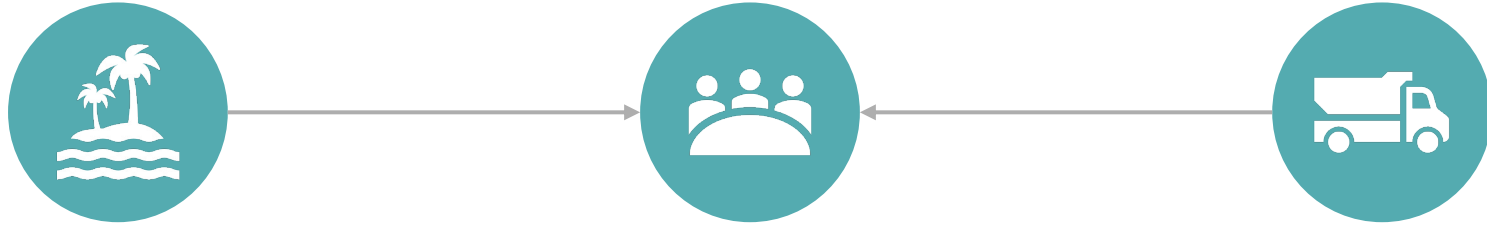


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## Tourism Sector: Contributing & Suffering

- **TOURSIM SECTOR & WM SECTOR HAVE TO BE CONNECTED!**



### Waste management requires:

- Defined policy & legal framework
- Clear responsibilities
- reliable organizational and financial structures

**much more than technical approaches!**

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## Possible Responsibilities of Sector Responsibility Organization

- Formalizing the informal sector
- Education & Awareness raising
- Producer contribution / dialog with producers and traders
- Beach clean-ups
- Workshops and capacity building
- Implementation of separation at source
- Monitoring and Documentation
- **Clear guidance and standardized rules for tourism & HORECA business**
- ...

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## Go in small and sustainable steps for the circular economy

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