

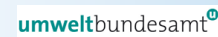
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ASSOCIATION
OF CITIES
AND REGIONS
FOR RECYCLING
AND SUSTAINABLE
RESOURCE
MANAGEMENT

Horizon 2020

Waste challenges In Palestine

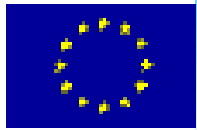


HMECC



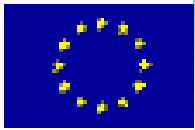
LMoEW





Content

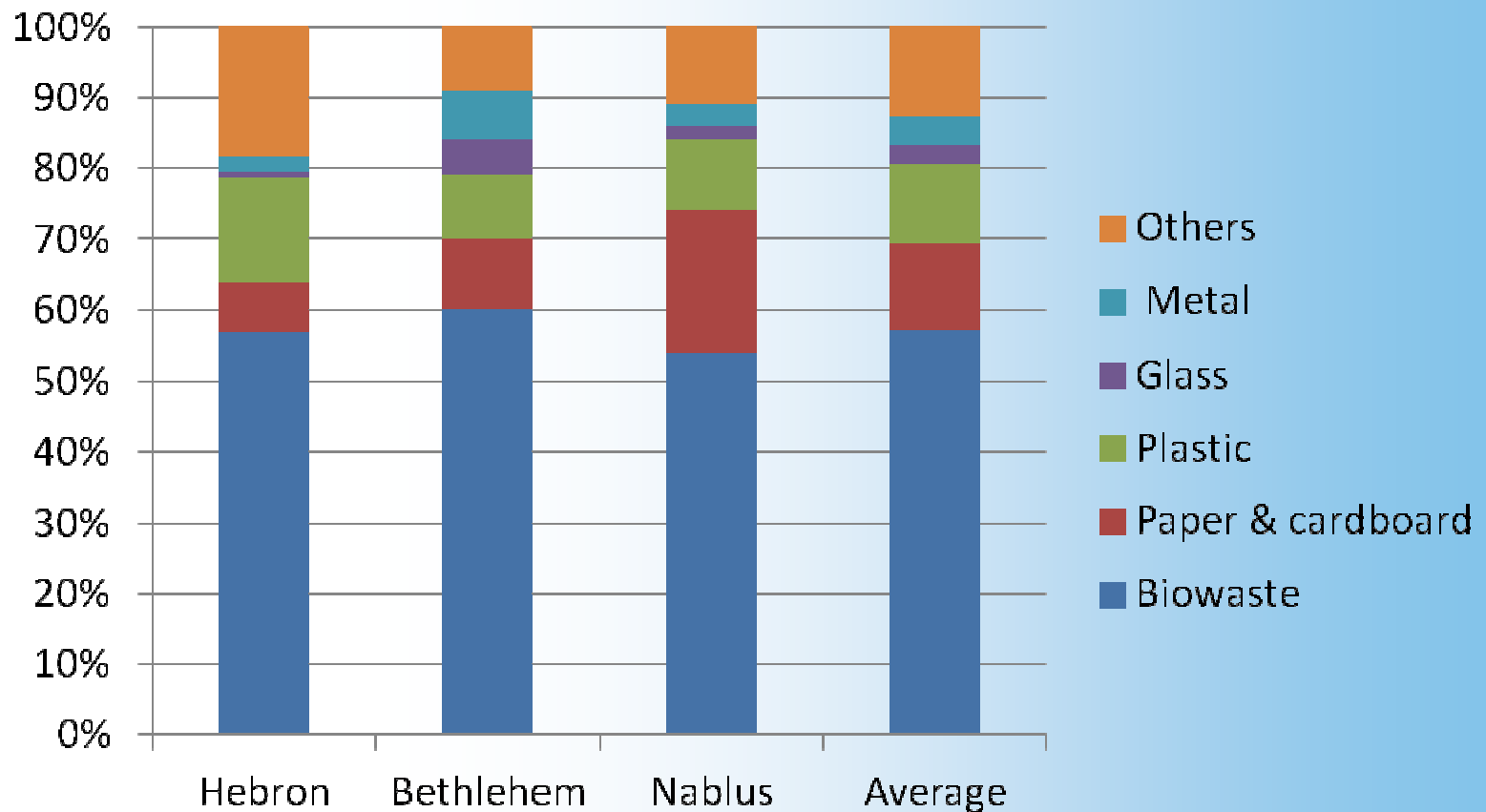
- Municipal waste composition data
- Municipal waste generation data
- Municipal waste collection data
- Challenges/ Barriers/ Good practices
- Solving the problem/ public education and awareness



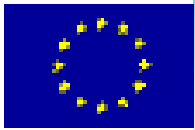
Municipal waste composition

Selected Palestine municipalities/ JSCs

Composition



Source: Pre-assignment

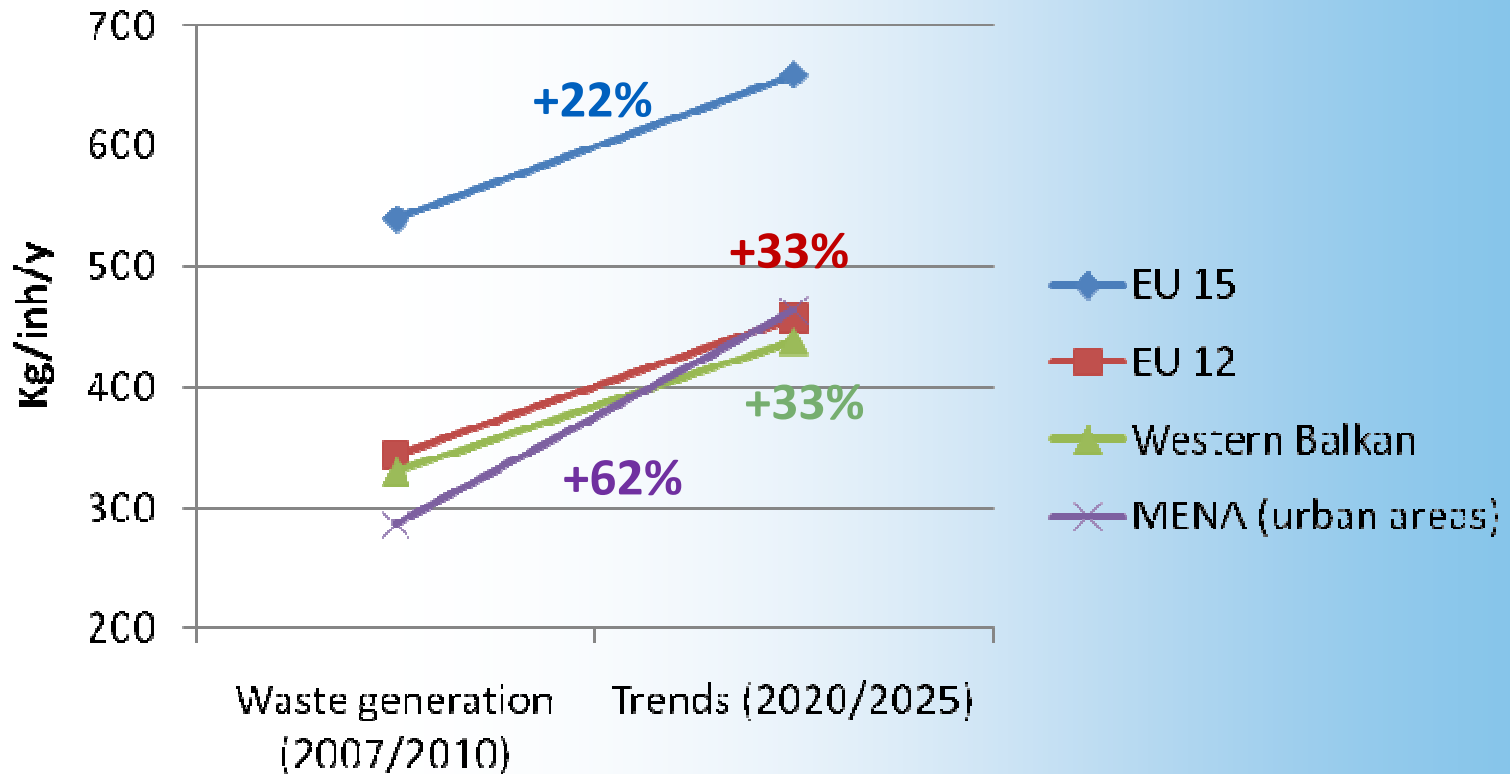


Generation

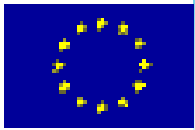
Mun.waste generation trends

All countries (SWEEP-NET, EEA, Eurostat)

Current waste generation and trends in Europe and MENA (EEA, SWEEP-NET 2007)



Source: EEA/ Eurostat 2010

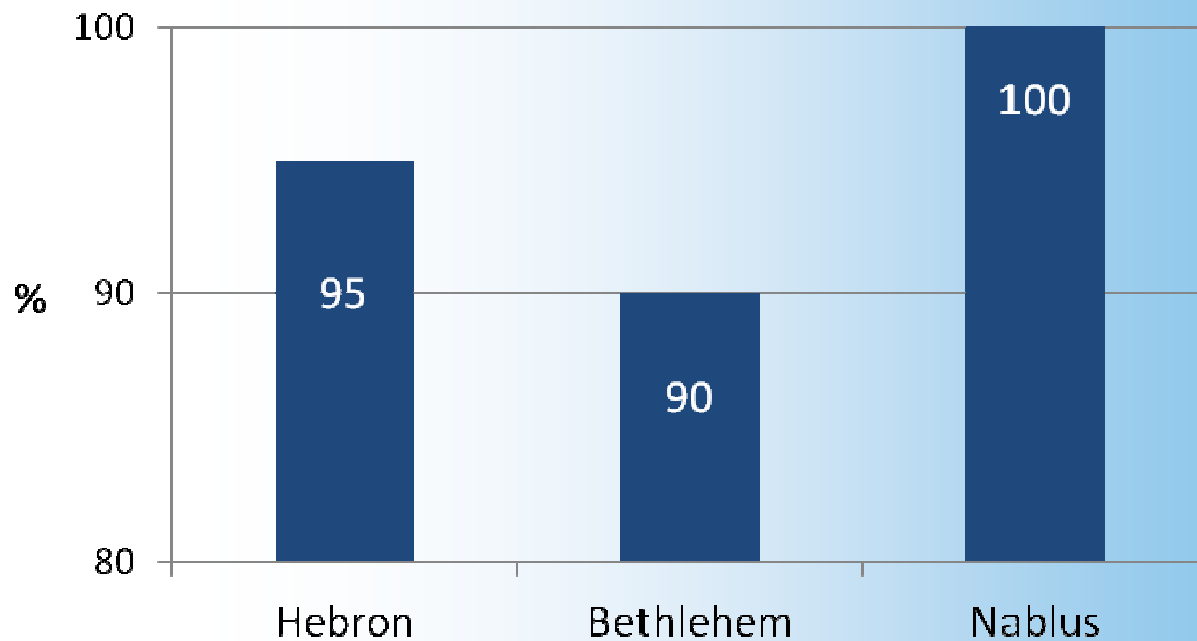


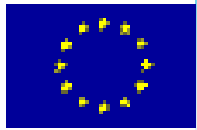
Municipal waste collection data

Rural areas are generally less covered

Collection

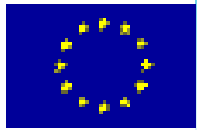
% of population covered by Municipal waste collection schemes (Pre-assignment)





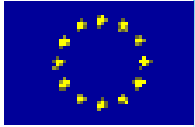
Challenges

- Waste separation (at source)
- Recycling of solid waste
- No sanitary landfill
- Poor public cooperation / bad habits
- No separate collection at source or at landfill
- Poor landfill management (air pollution, groundwater pollution, ugly scenery, bad smells,...)



Barriers

- Lack of financial resources
- Israeli occupation
- Lack of human capabilities
- Lack of public awareness
- No cost recovery
- Lack of (sanitary) landfills



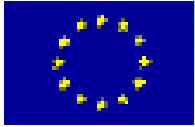
Good practices

→ Hebron

- ▶ public awareness campaigns with institutions and NGOs
- ▶ Special containers for industrial/ commercial waste
- ▶ Reuse and recycle of waste by some industries

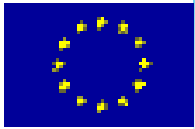
→ Nablus

- ▶ Public/ private partnership recycling plant : aim of 75% recycling rate...



Solving the problem

- Public education and awareness (schools, universities, citizens,...)
- Separation of waste fractions at source
- Recycling of waste
- Capacity development
- Set up transfer stations
- Polluter pay principle



Who does public education & awareness in municipality

→ Hebron

- ▶ Hebron municipality
- ▶ Ministry of education
- ▶ Hebron rehabilitation committee
- ▶ NGOs

→ Nablus

- ▶ Cadre of qualified municipal officials

→ Bethlehem

- ▶ Environmental quality authority (Dep. Of Env. Publ. Awar.)
- ▶ NGOs