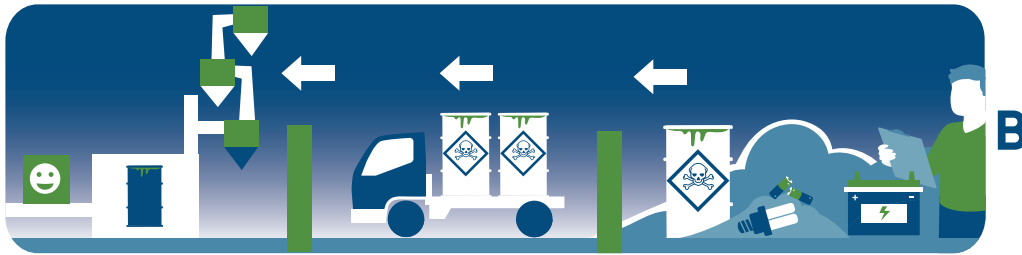


# International conventions BRS-M

## Hazardous Waste



Treatment and disposal

Transboundary movements

Hazardous waste inventory

B

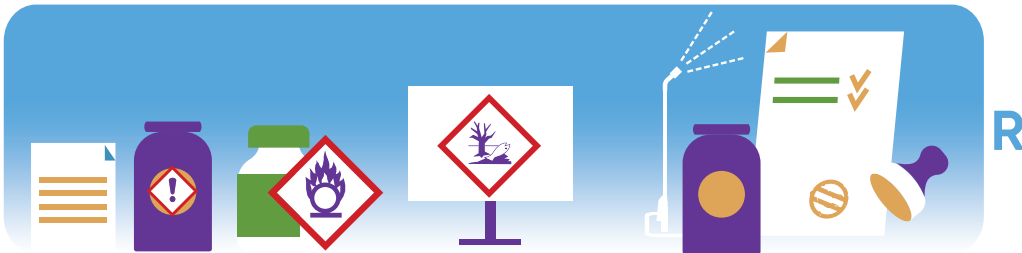
**Basel Convention**  
on the Control of Transboundary Movements of Hazardous Wastes and their Disposal



[www.basel.int](http://www.basel.int)

Palestine joined in 2015

## Hazardous Chemicals and Pesticides in International Trade



Labelling and safety data sheet

Reporting and information sharing

Prior informed consent (PIC)

R

**Rotterdam Convention**  
on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade



[www.pic.int](http://www.pic.int)

Palestine joined in 2017

## Persistent Organic Pollutants



Safe management of POPs stockpiles and waste

Restrict, prohibit or eliminate POPs

Persistent organic pollutants (POPs) inventory

S

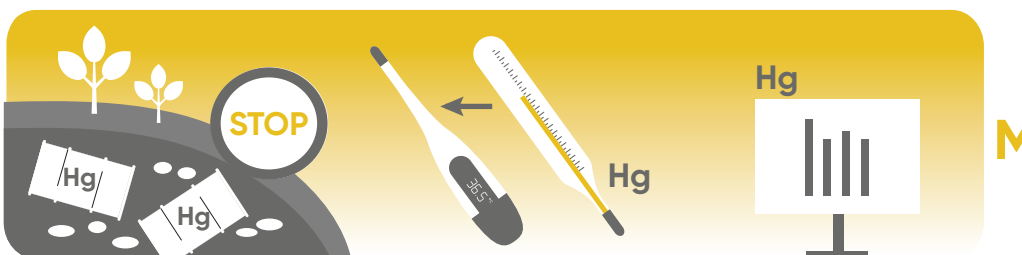
**Stockholm Convention**  
on Persistent Organic Pollutants



[www.pops.int](http://www.pops.int)

Palestine joined in 2017

## Mercury



Safe management of mercury waste, control of releases

Phase-out or phase-down of mercury use

Mercury assessments and action plans

M

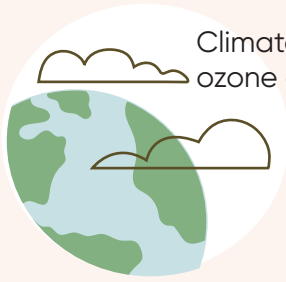
**Minamata Convention**  
on Mercury



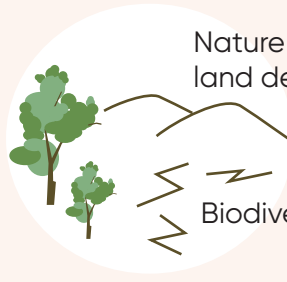
[mercuryconvention.org](http://mercuryconvention.org)

Palestine joined in 2019

# Triple planetary crisis



Climate disruption  
ozone depletion



Nature and  
land degradation  
Biodiversity loss

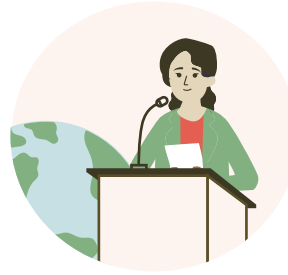


Pollution, waste  
and chemicals

## Environment Quality Authority (EQA) engagement in waste and chemicals



Public awareness,  
education and advocacy  
on waste, chemicals and  
environmental issues



Representation of Palestine  
in the multilateral environmental  
agreements, focal point to the  
BRS and Minamata Conventions



Hazardous waste and  
chemicals policy,  
regulations and  
compliance

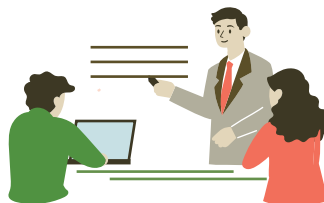
## Inter-agency cooperation and involvement on waste and chemicals

### Central Bureau of Statistics



Data and statistics on economy,  
population and the environment

### Ministry of National Economy



Planning, economic activity  
regulations and licensing

### Ministry of Local Government



Municipal waste  
management and inventory

### Ministry of Health



Regulations on health protection  
health surveys

### Ministry of Agriculture



Regulations on agricultural  
chemicals and safety

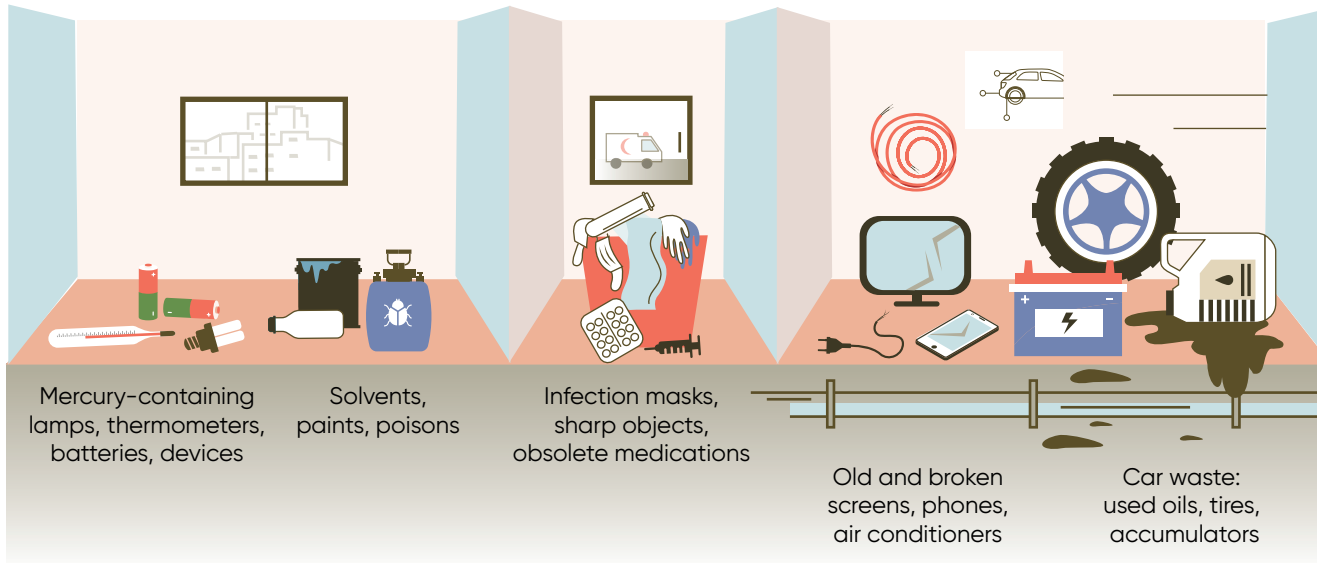
### Ministry of Interior: Civil Defence and Customs Police



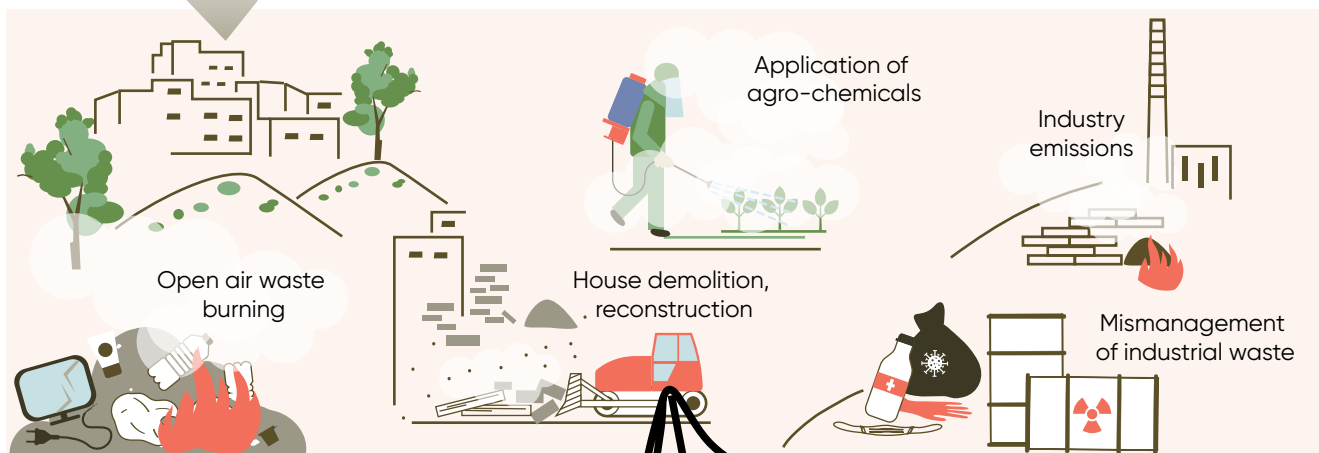
Inspecting shipments of hazardous  
waste and chemicals, emergency  
preparedness and response

# Sources of and exposure to hazardous waste and chemicals

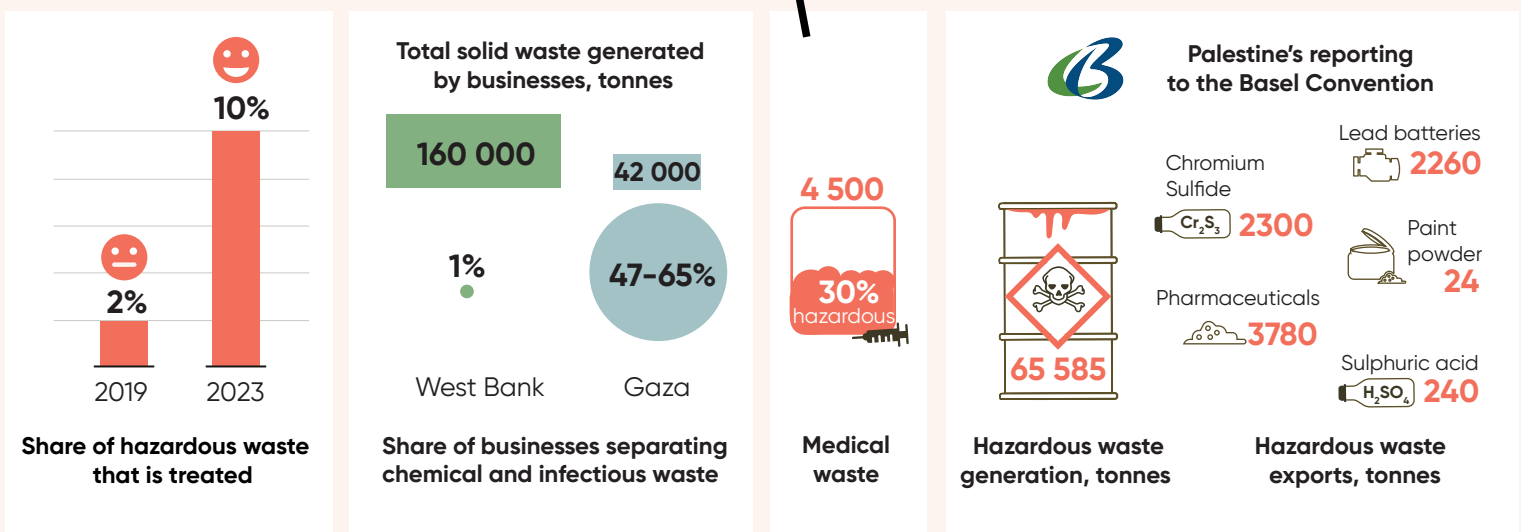
## In-house and indoor



## Outdoor and professional activities



## Hazardous waste facts for Palestine



Information based on national statistics and Palestine reporting to the Basel Convention, 2021-2023

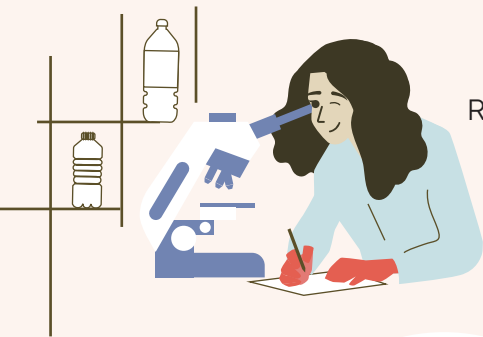
# Youth and women engagement



Collection of paper for recycling, organic waste for composting



Clean up of streets and streams from plastic packaging waste



Research on biodegradable materials, recyclable packaging with minimal waste

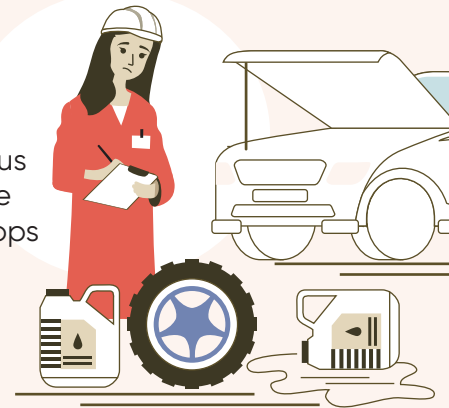


Waste management and recycling education

Data collection and reporting on SDGs and BRS conventions



Inspection of hazardous chemicals and waste handling in car workshops and industries



Waste recycling habits at home and in the community

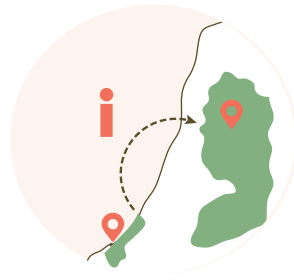
Responsible consumption to minimise waste and reduce health risks



# Palestine's special circumstances, constraints and ways forward



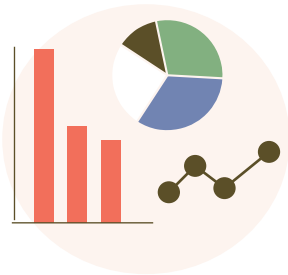
Limited access to the international sources of funding for hazardous waste and chemicals inventory and solutions



Country's fragmentation into two parts with different governance nuances



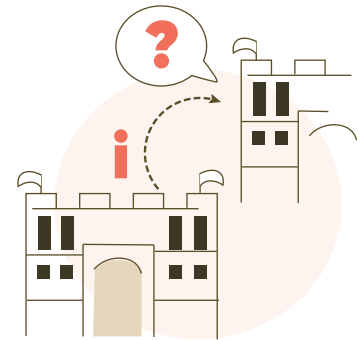
Israel controls Palestine's borders and permissions for export and installations



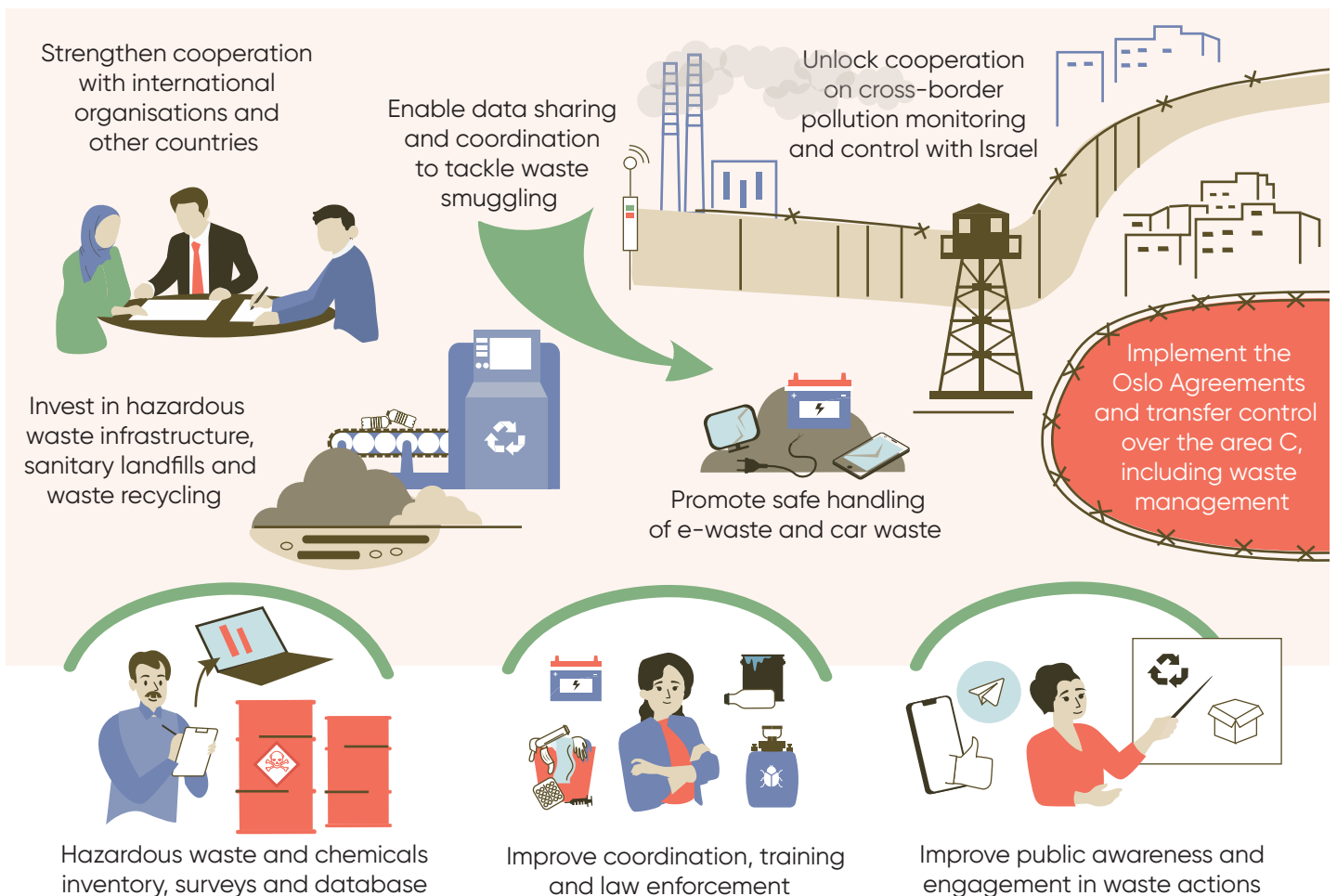
Lack of statistics and information on hazardous waste and chemicals



Limited capacity of staff and weak legislation enforcement

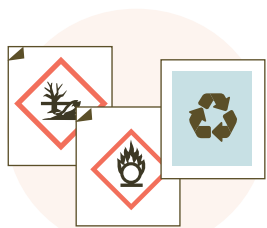


Limited inter-institutional coordination and data exchange



# Basic solutions to pollution, hazardous waste and chemicals

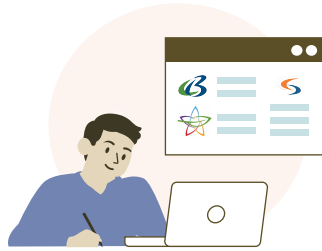
## UNEP Special Programme project supporting Palestine



Public awareness materials and information on waste and chemicals



Occupational health protection and regulations



Training and capacity building



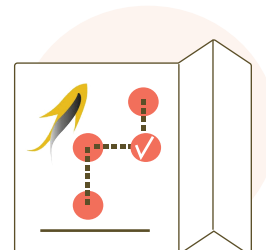
Inter-institutional collaboration



Improving reporting within the country and for the BRS conventions



International cooperation and experience exchange



Initial steps on mercury under the Minamata Convention

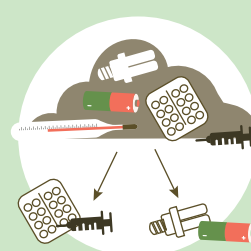
## National solid waste management strategy



Effective legislation, strong institutions, incentives for recycling



Environmentally sound management of solid waste, infrastructure for recycling



Suitable management of medical, hazardous and special waste

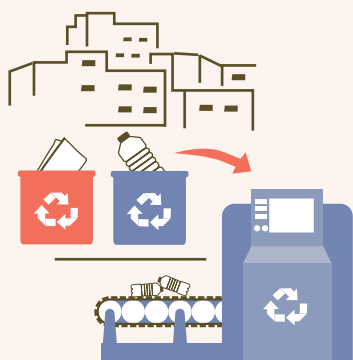


Public awareness, information and reporting on waste

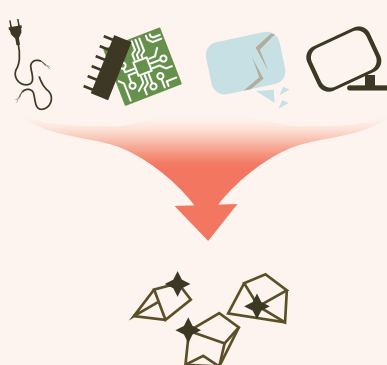
## Pollution risk reduction, transition to green economy



Biological methods of crops protection, organic agriculture



Solid municipal waste sorting, recycling and minimisation



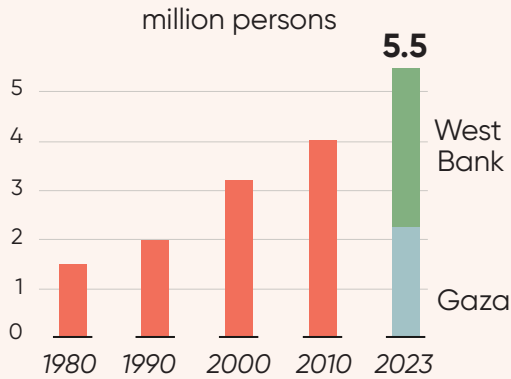
Safe recycling of e-waste, re-use of critical materials



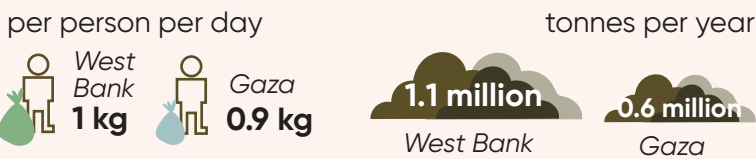
Incentives for green industries and zero waste products

# Selected numbers and interesting facts on waste

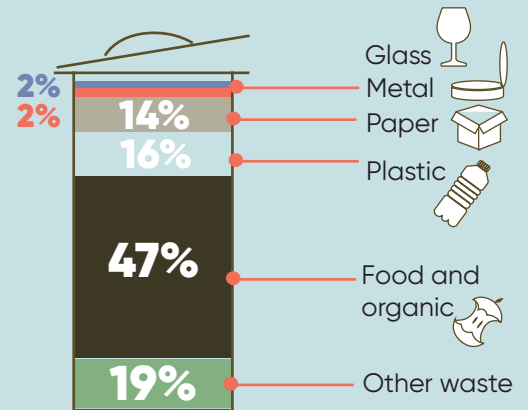
## Population growth in Palestine



## Solid waste generation



## Solid waste composition



## Where does the solid waste end up?

3500 five years ago  
Waste generated **4650 tonnes/day**

E-waste coming from Israel  
**200 tonnes/day**

Percentage of households covered by solid waste collection services

Goal 100%

95%

Waste transfer

Goal 100%

90%

Landfills

Random dumps, waste burning

Goal 20%

Residential waste collection

0%

Household waste separation

1-3%

Compost

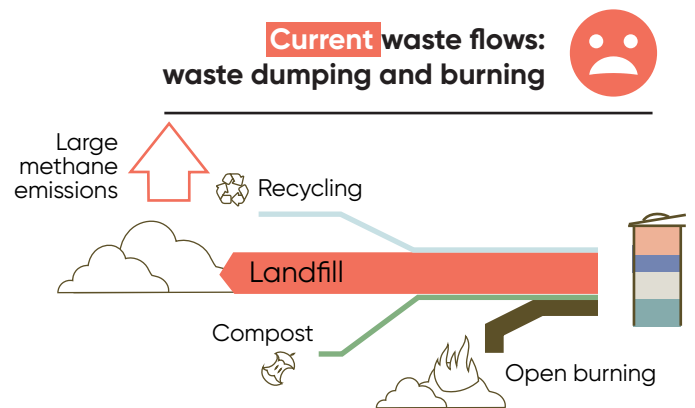
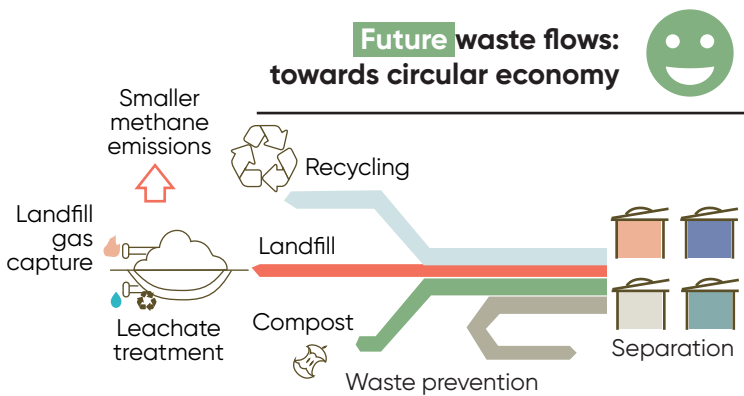
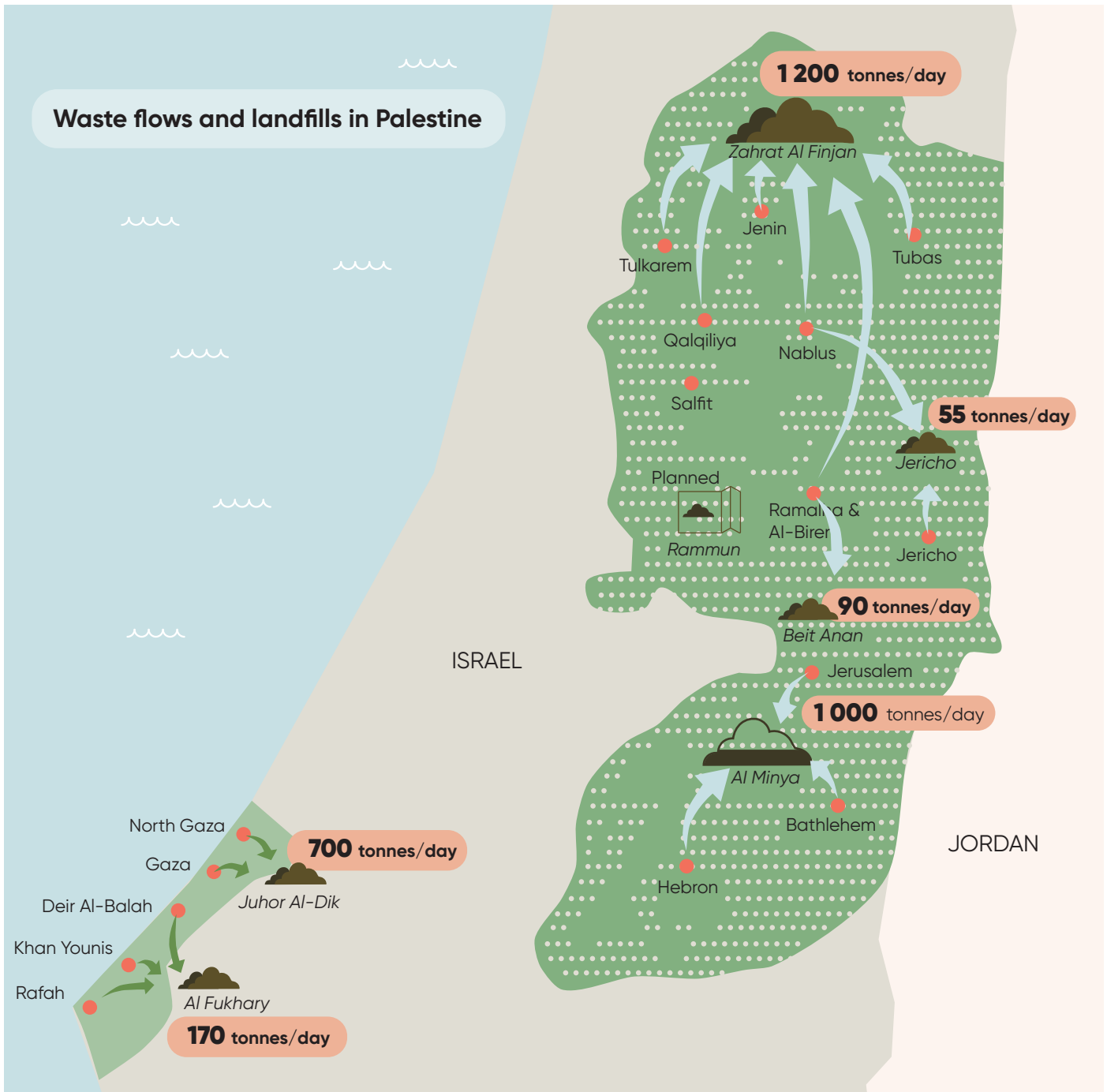
Goal 30%

Recycling sector involves 240 SMEs employing 3500 persons

Recycling and reuse

Undocumented waste processing

# Mapping waste flows





Become a champion of waste reduction and re-use!

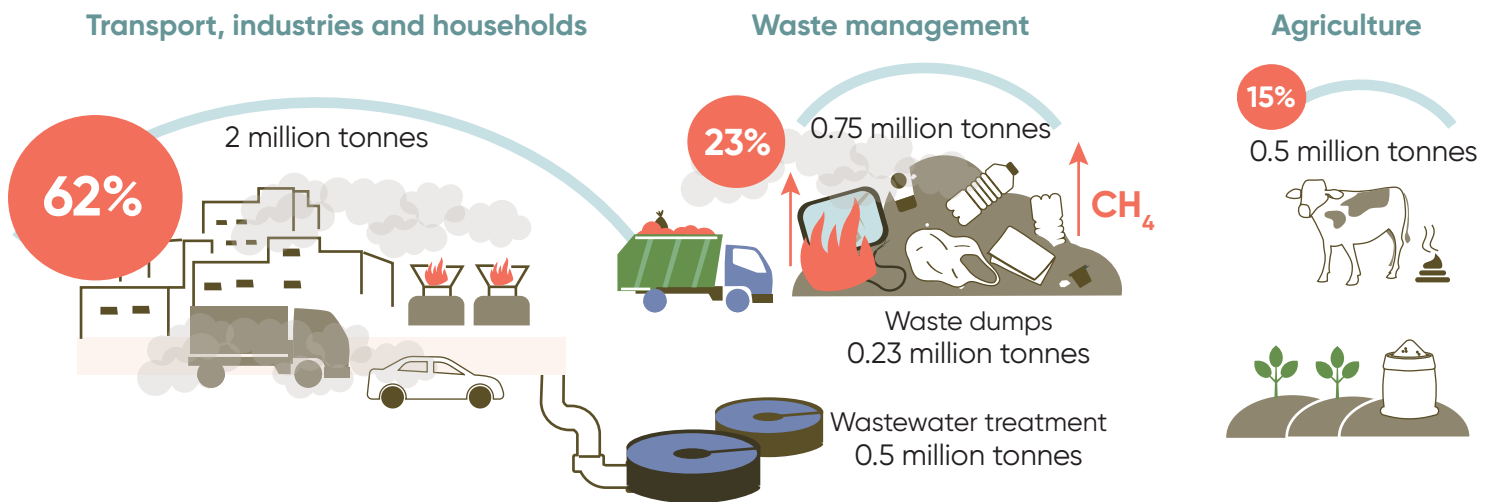


CLEAN CITY

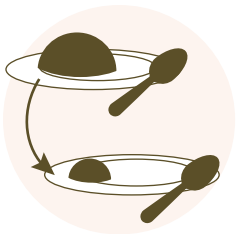


# Links between waste and climate change

## Sources of greenhouse gas emissions in Palestine



## Measures to reduce greenhouse gas emissions from waste



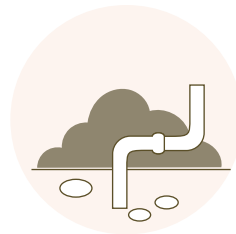
Food waste reduction



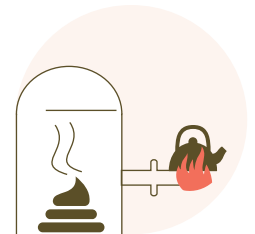
Composting of organic waste



Improved segregation and recycling

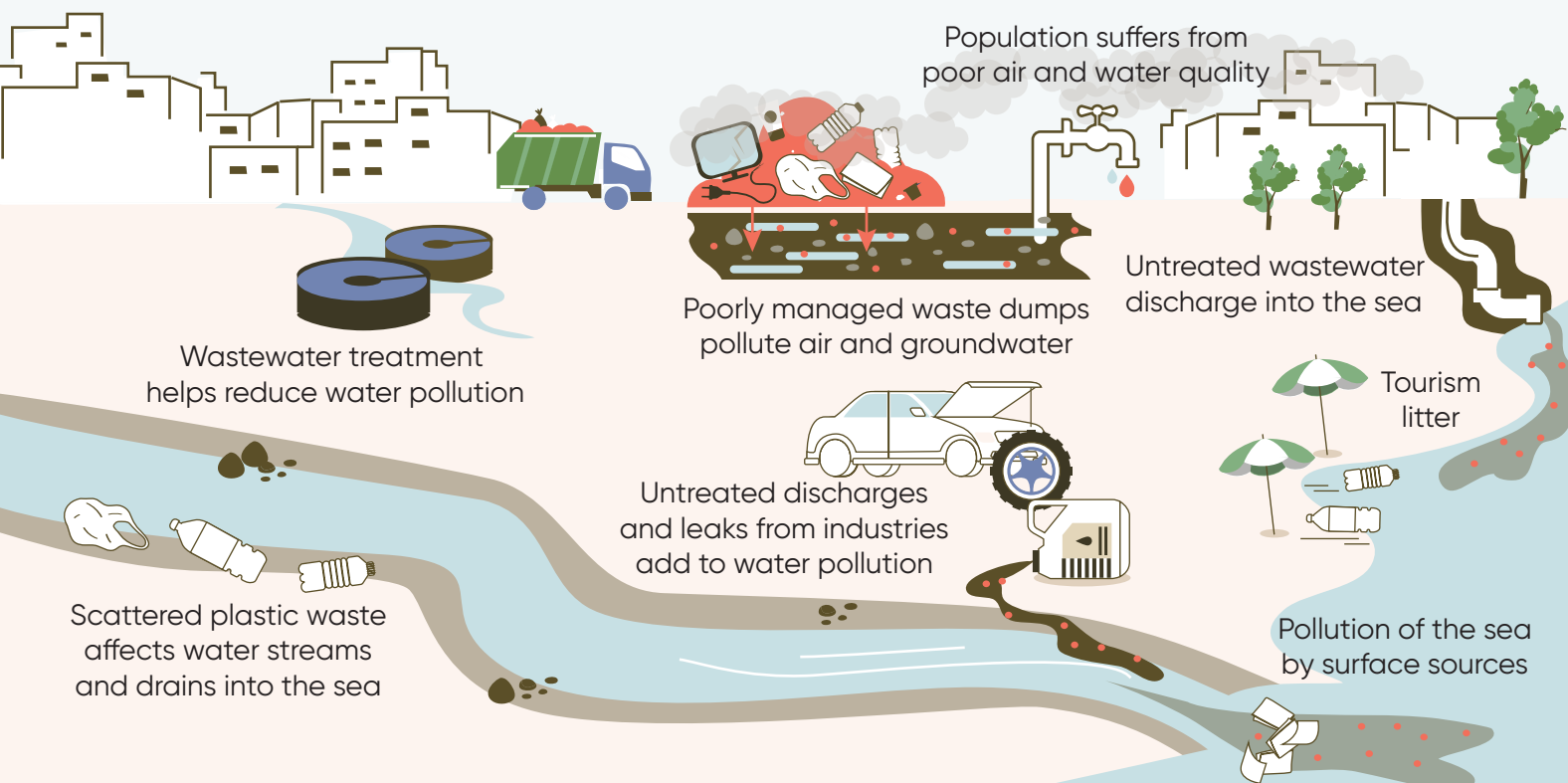


Landfill gas (methane) capture

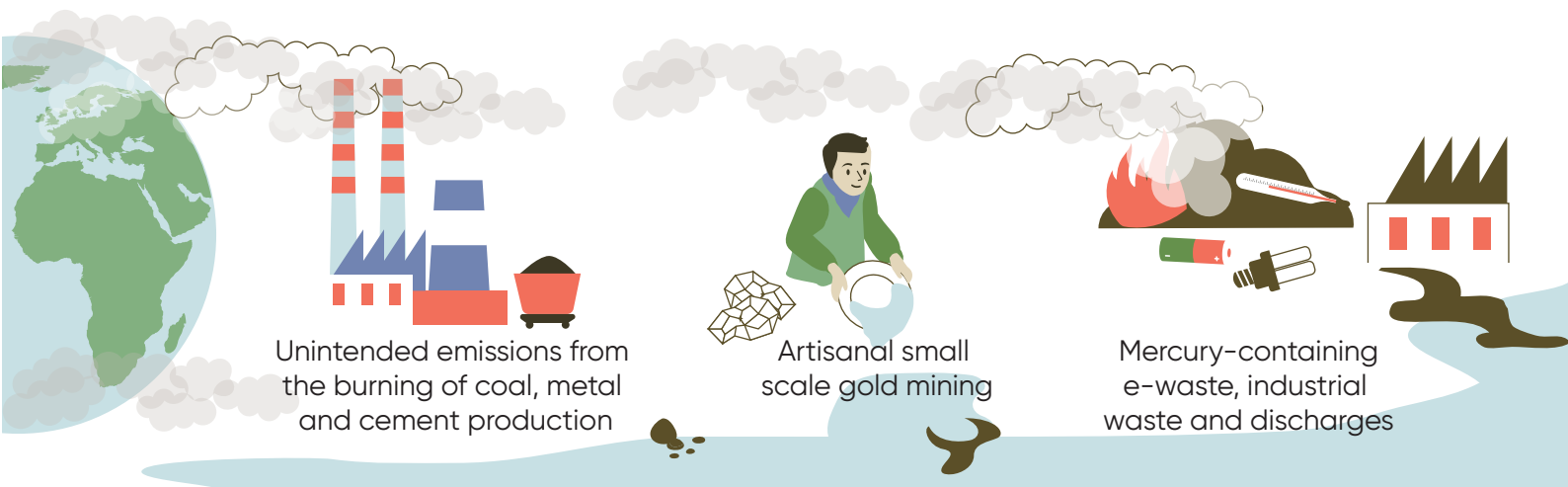


Biogas production at small scale (farmers)

## Links between waste and water pollution problems



## Important sources of mercury emissions and releases

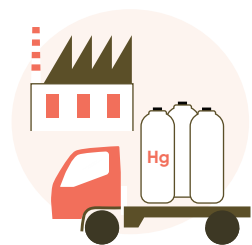


Unintended emissions from the burning of coal, metal and cement production

Artisanal small scale gold mining

Mercury-containing e-waste, industrial waste and discharges

## Selected provisions of the Mercury Convention most relevant to Palestine



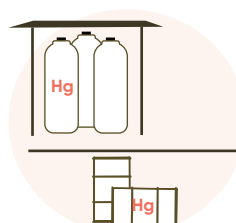
Mercury supply sources and trade



Mercury-added products



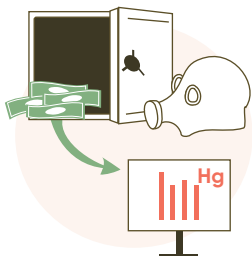
Emissions and releases



Interim storage of mercury and waste



Contaminated sites and health aspects



Financial resources



Capacity building, technical assistance



Initial assessment, implementation plan

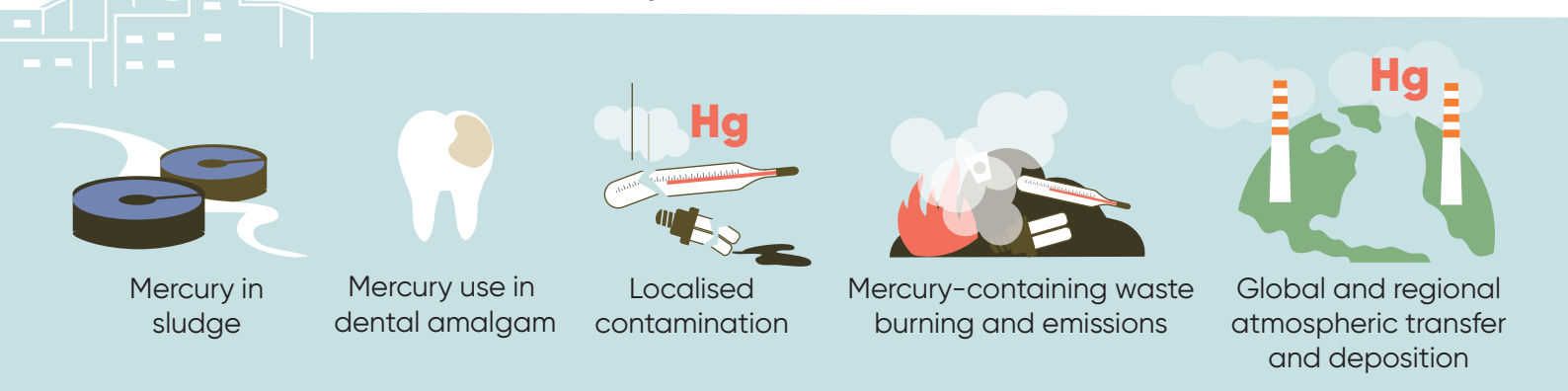


Public information and awareness



Information exchange and reporting

## Potential mercury sources and issues in Palestine



Mercury in sludge

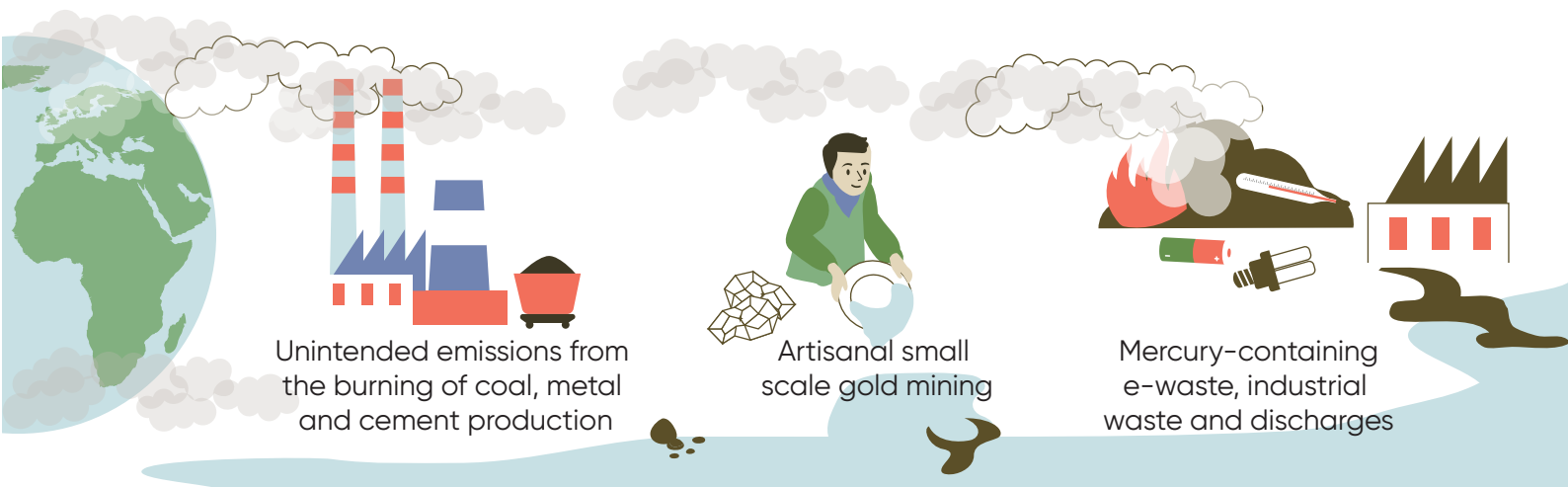
Mercury use in dental amalgam

Localised contamination

Mercury-containing waste burning and emissions

Global and regional atmospheric transfer and deposition

## Important sources of mercury emissions and releases

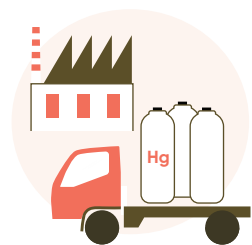


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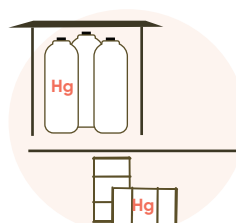
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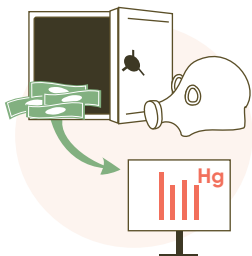
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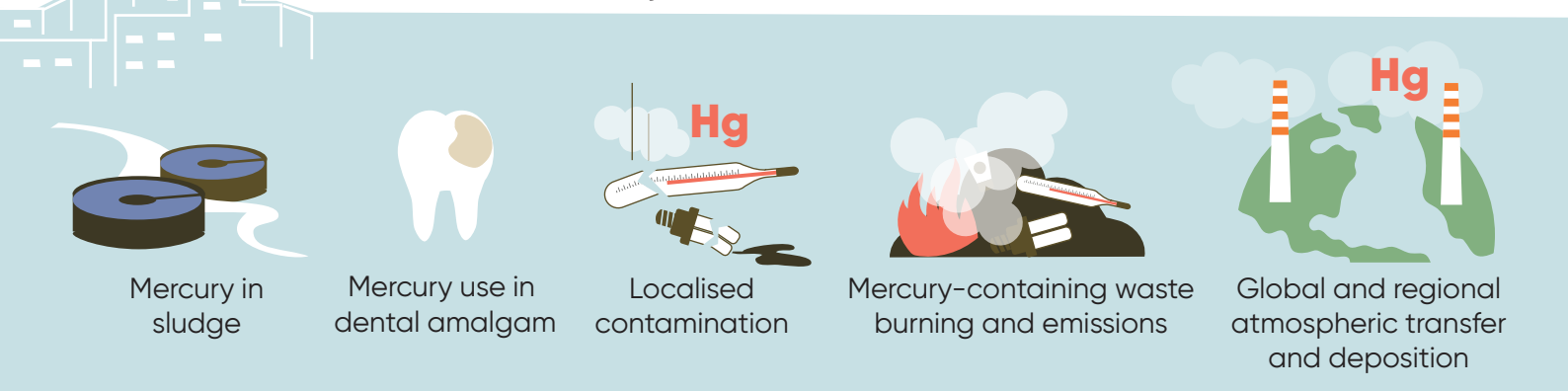


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