



Electronic Waste in Palestine (E-waste)

Seventh Meeting of the Expert Group on
Environment Statistics

10-19 November 2020

New York



2019

Population

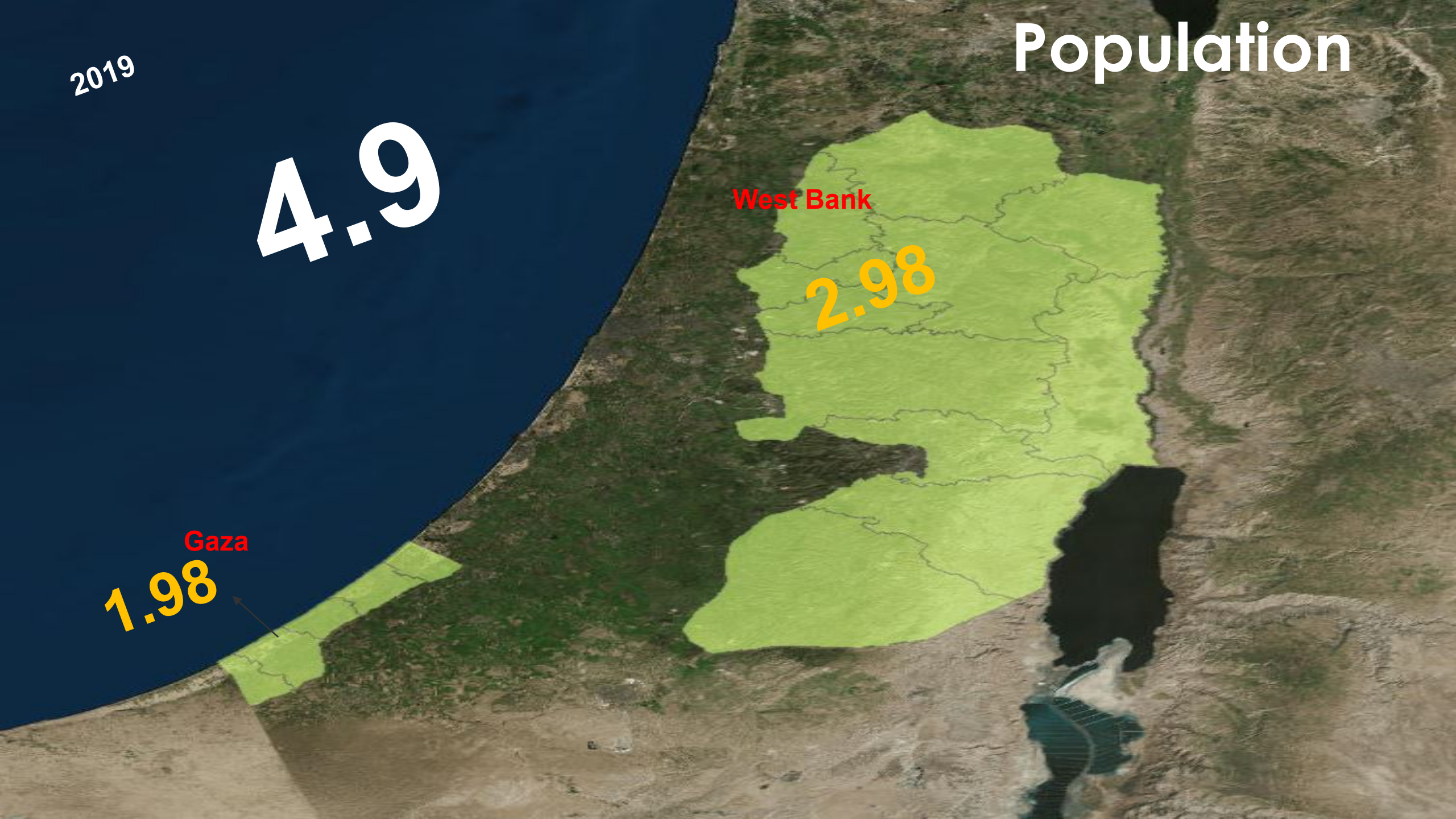
4.9

West Bank

2.98

Gaza

1.98



Introduction

- Waste statistics form an important part of the environment statistics at PCBS since 1997.

جدول 7: نسبة المنشآت الاقتصادية في فلسطين التي تنتج عنها نفايات صلبة وتقوم بفصلها حسب نوع النفايات الصلبة والمنطقة، 2015

Table 7: Percentage of Economic Establishments in Palestine that Generate Solid Waste and Separate it by Type of Solid Waste and Region, 2015

Region	Type of Separated Solidwaste										المنطقة
	اخرى Others	نفايات كيميائية Chemical Waste	نفايات مشعة Radioactive Waste	نفايات معدية Infectious Waste	نفايات حادة Sharp Waste	نفايات عضوية Organic Waste	تراب وحجارة Soil & Stones	زجاج ومعادن Glass & Metals	بلاستيك ومطاط Plastic & Rubber	ورق وكرتون Paper & Cartoon	
Palestine	6.9	32.1	53.9	33.3	30.8	6.2	5.8	5.8	3.4	5.5	فلسطين
West Bank	7.6	34.1	100.0	35.7	30.3	4.0	4.0	6.2	2.3	4.2	الضفة الغربية
North of West Bank	7.2	51.5	100.0	27.9	30.8	4.7	4.8	9.0	2.9	6.4	شمال الضفة الغربية
Middle of West Bank	5.0	37.0	-	53.7	31.5	7.1	7.7	7.5	2.9	3.8	وسط الضفة الغربية
South of West Bank	14.2	7.1	100.0	51.7	29.0	1.6	1.3	1.9	1.0	1.7	جنوب الضفة الغربية
Gaza Strip	3.4	8.8	53.6	28.8	31.4	10.5	7.4	4.9	6.3	8.4	قطاع غزة

- : No observations

- : لا يوجد مشاهدات

Introduction

- E-waste could be a source of pollution, or an important resource according to the management process.



Waste Indicators collected by PCBS

Solid Waste Collection Service:

1. Availability of waste collection service
2. Doer responsible about the service
3. Means of collection
4. Periodicity of collection

Production of Waste:

1. Quantity of produced Waste
2. Waste components
3. Availability of waste separation

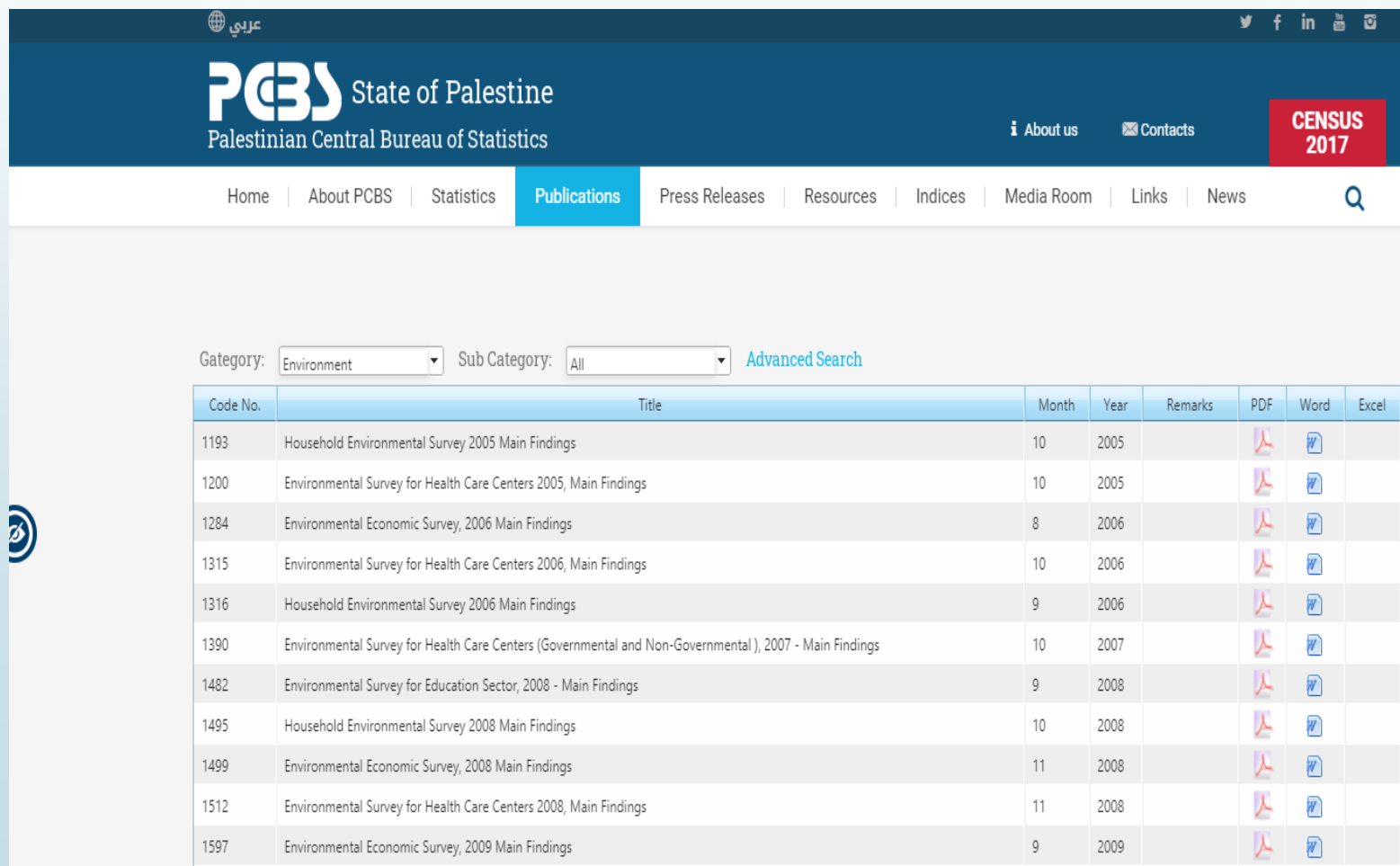
Waste Disposal:

1. Treatment of waste before final disposal
2. Dumping sites (waste disposal places)
3. Waste disposal methods

Environmental impact of Dumping sites

Sectors included in waste statistics:

- Household sector
- Economic sector (ISIC4) except Agricultural sector
- Localities sector
- Health care sector
- Education sector



عربي

PCBS State of Palestine
Palestinian Central Bureau of Statistics

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Code No.	Title	Month	Year	Remarks	PDF	Word	Excel
1193	Household Environmental Survey 2005 Main Findings	10	2005				
1200	Environmental Survey for Health Care Centers 2005, Main Findings	10	2005				
1284	Environmental Economic Survey, 2006 Main Findings	8	2006				
1315	Environmental Survey for Health Care Centers 2006, Main Findings	10	2006				
1316	Household Environmental Survey 2006 Main Findings	9	2006				
1390	Environmental Survey for Health Care Centers (Governmental and Non-Governmental), 2007 - Main Findings	10	2007				
1482	Environmental Survey for Education Sector, 2008 - Main Findings	9	2008				
1495	Household Environmental Survey 2008 Main Findings	10	2008				
1499	Environmental Economic Survey, 2008 Main Findings	11	2008				
1512	Environmental Survey for Health Care Centers 2008, Main Findings	11	2008				
1597	Environmental Economic Survey, 2009 Main Findings	9	2009				

National Classification of E-waste

Until now, we don't have any classification specifically made for E-waste; still, we only have Basel Convention classification for all hazardous waste.

However, there is the **Palestinian Waste Categories and Hazardous Waste List**

	Palestinian Waste Categories and Hazardous Waste List	تصنيفات النفايات وقائمة النفايات الخطرة الفلسطينية
	Wastes Categories	تصنيفات النفايات
1	Industrial waste	النفايات الصناعية
2	Construction and demolition waste	المخلفات الإنشائية
3	Agricultural waste.	النفايات الزراعية
4	Wastes from Oils, Fuels, Solvents and Related Materials	مخلفات الزيوت والوقود والمذيبات والمواد ذات الصلة
5	Municipal Waste	المخلفات البلدية
6	Wastes Resulting from Handling and Treatment of Wastes and Wastewater	المخلفات الناتجة عن التعامل مع النفايات والمياه العادمة ومعالجتها
7	Wastes from Other Sources	مخلفات من مصادر أخرى
8	Wastes from Human or Animal Health Care	النفايات الناتجة عن مراكز الرعاية بصحة الإنسان أو الحيوان

Serial Number	Main Sector	القطاع الرئيس
	Sub Sector	القطاع الفرعي
_01	Chapter One - Industrial Wastes	الفصل الأول - المخلفات الصناعية
_01-01	Sub-Chapter One - Wastes from Pharmaceutical Industry	الفصل الفرعي الأول - مخلفات الصناعة الدوائية
_01-02	Sub-Chapter Two - Wastes from Chemical Manufacturing	الفصل الفرعي الثاني - مخلفات الصناعات الكيماوية
_01-03	Sub-Chapter Three - Wastes from Paint Manufacturing	الفصل الفرعي الثالث - مخلفات صناعة الدهانات
_01-04	Sub-Chapter Four - Wastes from Manufacturing of Ceramics and Glass	الفصل الفرعي الرابع - مخلفات صناعة الزجاج والخرف
_01-05	Sub-Chapter Five - Wastes from Manufacturing of Wood	الفصل الفرعي الخامس - مخلفات الصناعات الخشبية
_01-06	Sub-Chapter Six - Wastes from Paper	الفصل الفرعي السادس - مخلفات صناعة الورق (معلومات غير متوفرة)

Palestinian Waste Categories and Hazardous Waste List

Serial Number	EU Code	Main Sector	القطاع الرئيس
		Sub Sector - Wastes	القطاع الفرعي - النفايات
_07		Chapter Seven - Wastes from Other Sources	الفصل السابع - مخلفات من مصادر أخرى
_07-3		Sub-Chapter Three - Wastes from Electrical and Electronic EQUIPMENT (from industry, commerce or households)	الفصل الفرعي الثالث - مخلفات المعدات الكهربائية والإلكترونية (من الصناعة والتجارة والمنازل)
		wastes from electrical and electronic equipment	مخلفات الأجهزة الكهربائية والإلكترونية
_07-03-101	16 02 09*	transformers and capacitors containing PCBs	المحولات و المكثفات التي تحتوي على PCBs
_07-03-102	16 02 10*	discarded equipment containing or contaminated by PCBs other than those mentioned in 16 02 09	أجهزة متخلص منها ومحتوية على مواد PCBs أو ملوثة بها غير المذكورة تحت 16 02 09
_07-03-103	16 02 11*	discarded equipment containing chlorofluorocarbons, HCFC, HFC	أجهزة متخلص منها ومحتوية على كاربون كلوريدي فلوريدي HCFC, HFC
_07-03-104	16 02 12*	discarded equipment containing free asbestos	أجهزة متخلص منها ومحتوية على الأسبيستوس الحر

Palestine and E-waste

As a result of the Israeli occupation measures (separation and annexation wall, land confiscations, closures, sieges...etc.) many Palestinians went to work on collecting and separating electronic wastes as a new source of income.

The rapid accumulation of e-waste in Palestine, which has turned the country into a cemetery for electronic devices, is the result of the smuggling and illegal movement of waste from Israel and illegal Israeli settlements.



E-waste management and legislation status in Palestine

E-waste was mentioned in the bylaw of hazardous waste, which has been ratified in 2018, as hazardous waste without having any classifications and there aren't any classifications for hazardous waste in the Palestinian Environmental Law No. 7/1999 too.

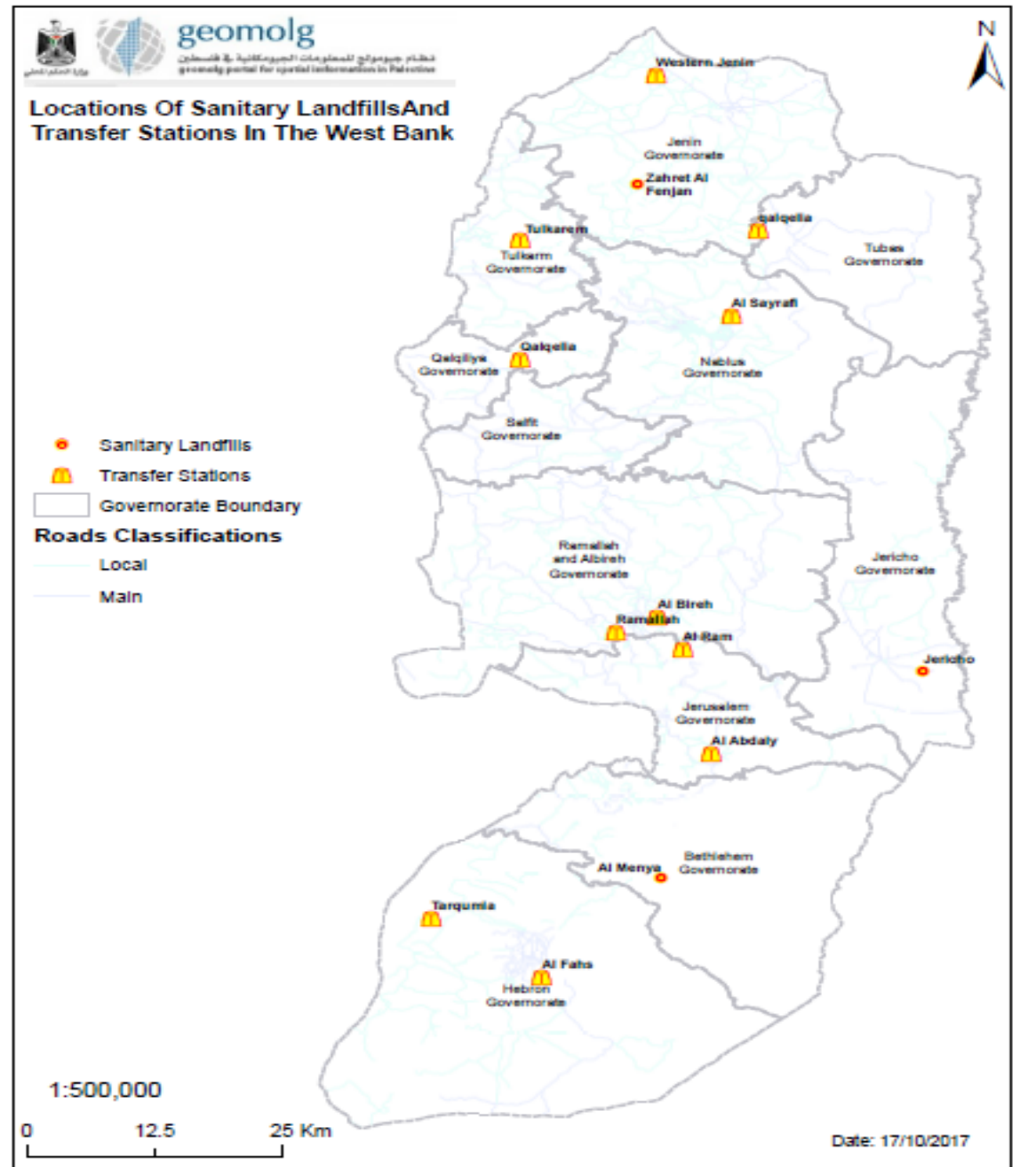
Solid Waste

Article (7)

The Ministry, in coordination with other specialized agencies, shall set a comprehensive plan for solid waste management on the national level, including the ways and the designation of sites for solid waste disposal as well as the supervision to implement this plan by the local councils.

EQA is preparing a roadmap for e-waste in Palestine in cooperation with the Italian CESVI and other stakeholders.

Locations of Sanitary Landfills and Transfer Stations in the West Bank



E-waste Statistics

- ❖ Around 300,000 - 400,000 ton/yr by informal sector
- ❖ 70-80% of e-waste comes from Israeli occupation as illegal movement
- Source: Environment Quality Authority, 2016



E-waste Challenges

- 1- Absence of national e-waste strategy
- 2- Lack of experience and human resources skills and training
- 3- Lack of funding
- 4- Illegal movement of e-waste by Israeli occupation



Recommendations

- Increasing studies and research on E-waste by research centers and students.
- The activation and implementation of the law.
- Increasing employment rate.
- Increase in training to compile national e-waste statistics.