

## Selected Data, 2017

### Water Sources

Precipitation volume  
in rain year 2016/2017

**4.46 billion m<sup>3</sup>**



Desalination of sea water

**586 million m<sup>3</sup>**

Dead Sea level

**-432.31**

in December

A decrease of

**1.38 meters**

compared to 2016



### Water Quality

#### Drinking water



Tests for the presence of faecal  
coliforms showed exceedances in

**0.6%** of the cases

Average salinity  
in the Sea of Galilee

**300 mg/l**

### Water Consumption (2016)

Total consumption

**2.2 billion m<sup>3</sup>**

Household, public,  
and industrial use

**42.1%**



Agricultural use

**56.6%**



Restored to the environment

**1.3%**



Average urban water  
consumption per capita

**75.2 m<sup>3</sup>**

### Raw Sewage

Raw sewage  
in treatment plants

**503 million m<sup>3</sup>**

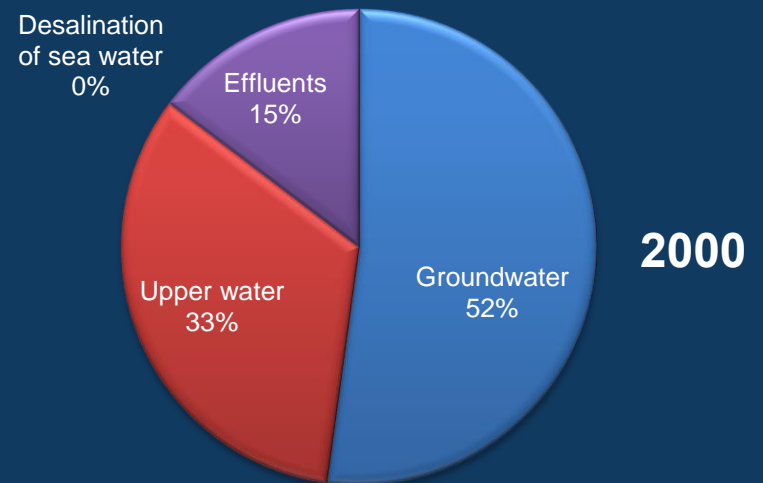
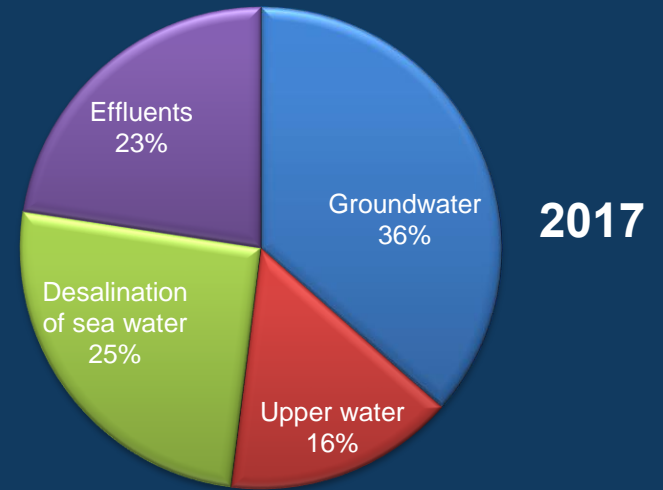
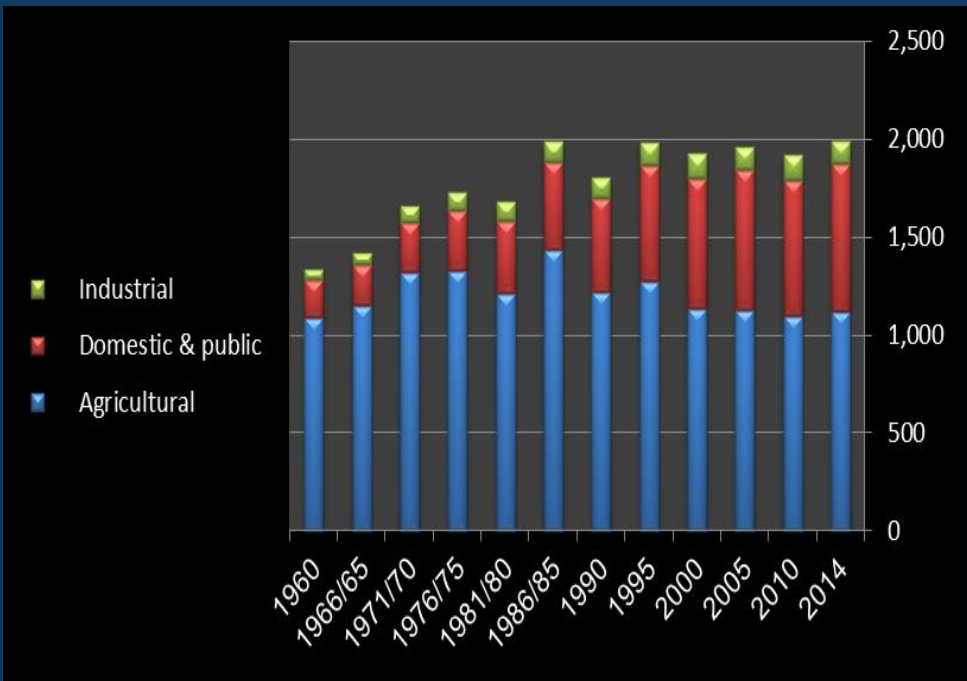


Reclaimed sewage  
(effluents) (2016)

**506 million m<sup>3</sup>**

# water consumption by source

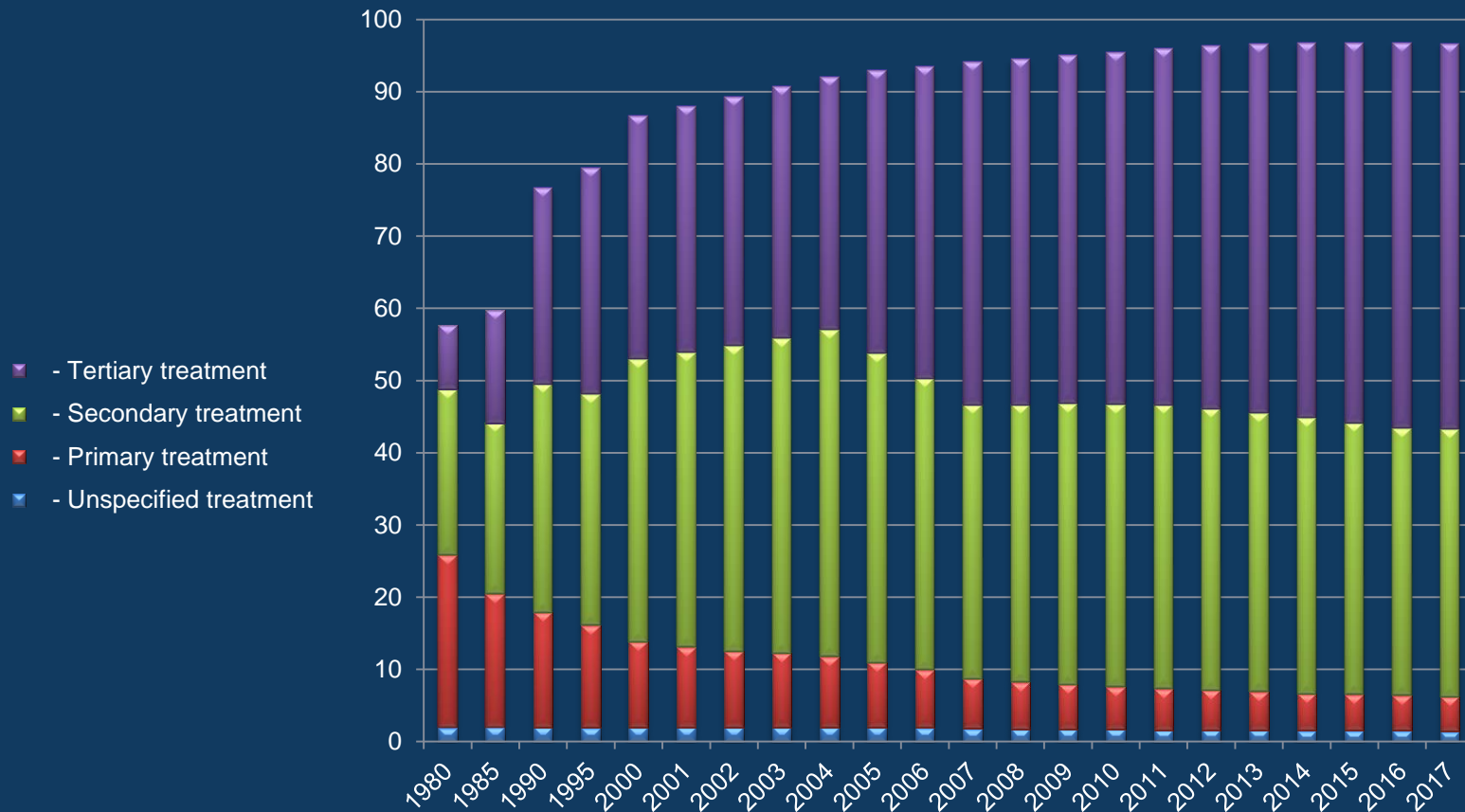
## water consumption by user



# Waste water - facts

- Israel produce ~ 510 mcm of waste water per year
- 86.6% of the effluent are been recycled and reused in agriculture ~440 mcm
- 14% are discharged into the environment (streams and to the Mediterranean sea- 70 mcm

# Connection to wastewater treatment plants 1980-2017



# Integrated information system for quantity and quality of effluent

- The system was created to answer a need of several government offices: ministry of health, ministry of environmental protection, the water authority
- The system is operating since mid 2019
- **The system includes** ~60 intensive and extensive WWTP that discharge over 1,000 m<sup>3</sup>/day
- The system enable data analysis and alert the offices about exceedance online.



# Drinking water quality

## Microbiological testing of drinking water

Year	No. of routine tests performed	Thereof: percentage of exceedance tests	Percentage of exceedance tests	standard
2018	91996	429	0.5	>1 coliform
2017	100309	602	0.6	>1 coliform
2016	94611	568	0.6	>1 coliform
2015	92489	555	0.6	>1 coliform

## Chemical tests in the drinking water supply network

1 October 2018 to 31 March 2019

Factor tested	standard	Number of tests	Number of exceedance	ND
Lead	10 MR/L	475	10	400
Trihalomethanes	0.1 mg/L	192	0	
Opacity	1 NTU	182	1	



