

Americas Competitiveness Exchange (ACE)

Water in Israel and beyond - Success of Israel's water industry in global competitive markets

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Challenges

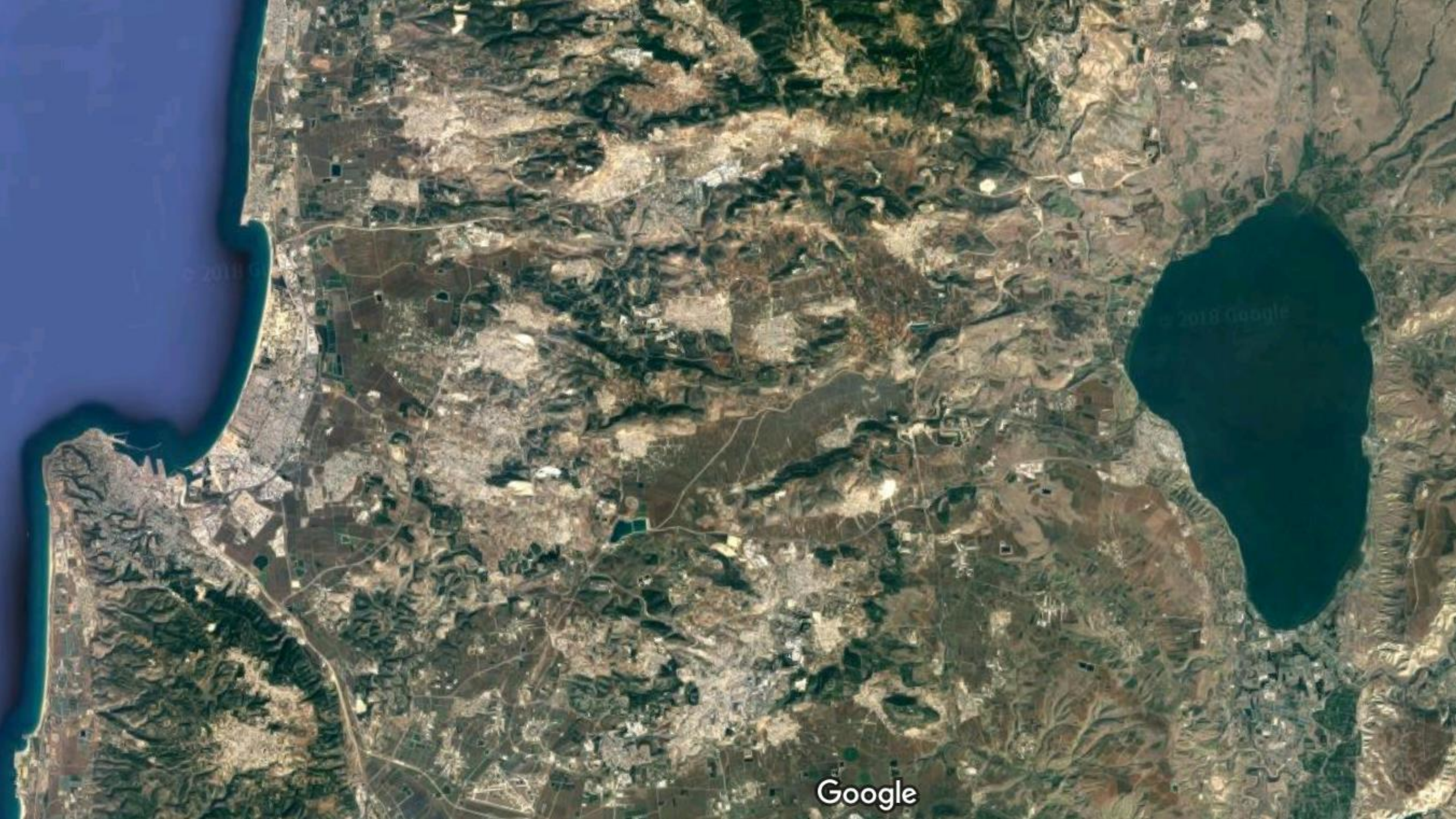
520 mm / 20"
75% Dec-Feb



2018 = 1948 x 11

25,



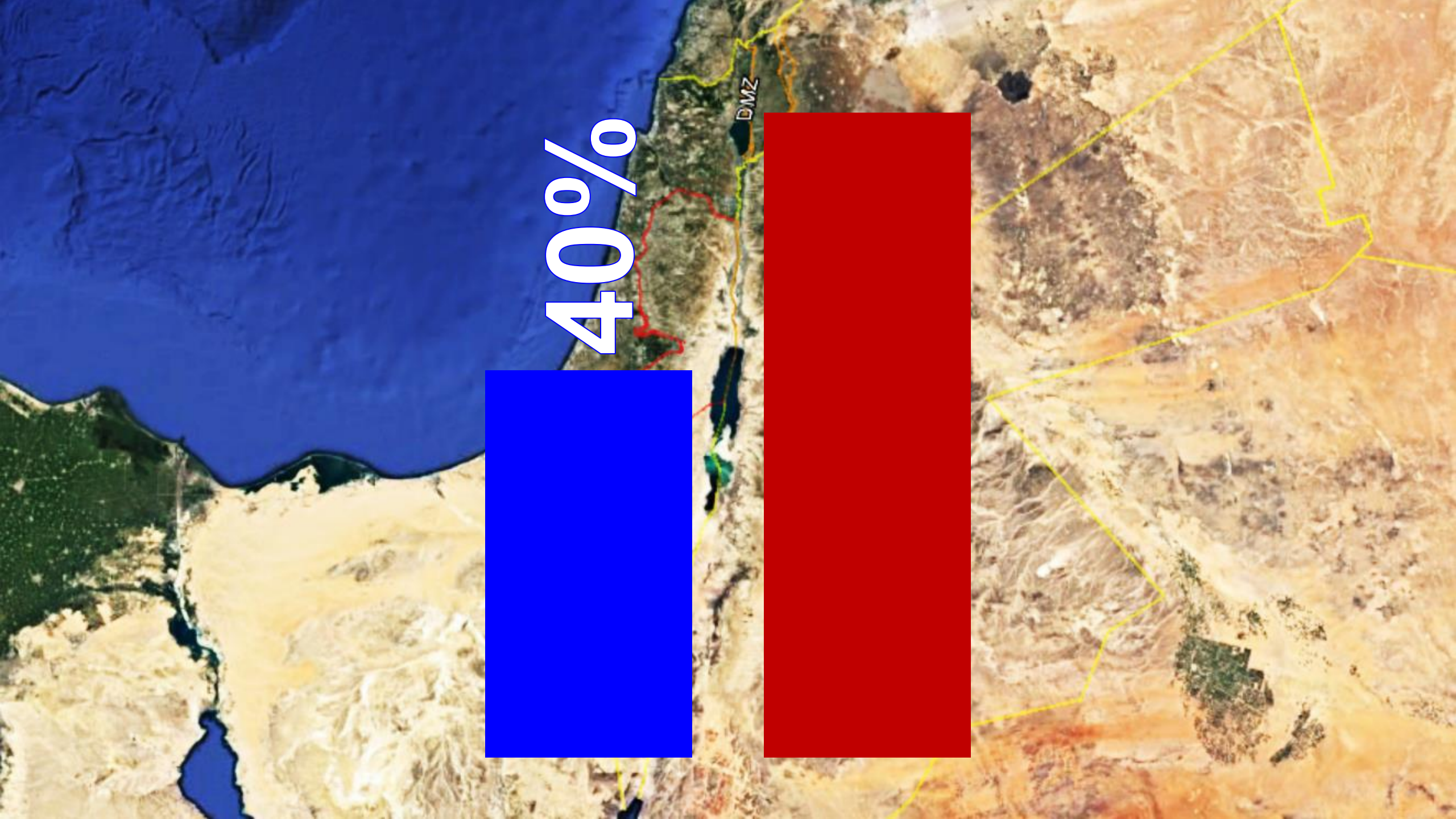
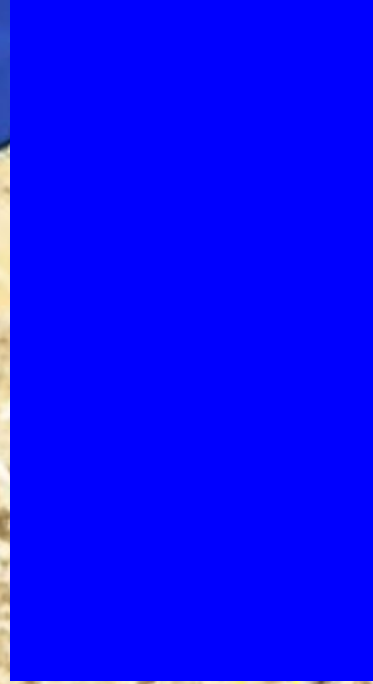


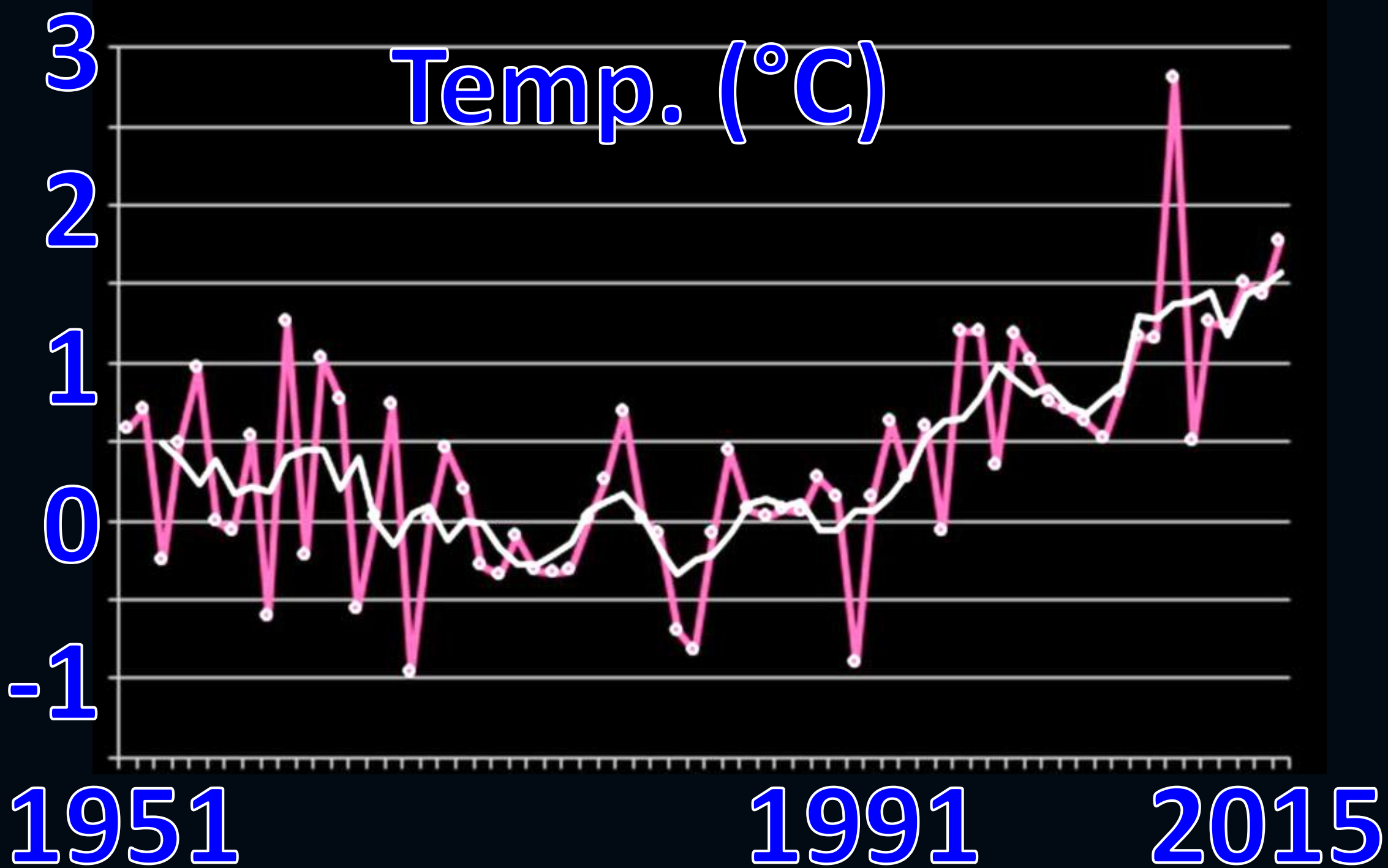
Google



DMZ

40%





Solutions

Elisha - 900 BC



And the men of the city said . . . the water [is] naught Bring me a new cruse, and put salt therein . . . And he went forth unto the spring of the waters, and cast the salt in there . . . So the waters were healed unto this day
(2 Kings chapter 2:19-22)



1947

A poster with a light blue background and rounded corners. It features a dark brown silhouette of a faucet with a single drop of water falling from it. The drop is positioned above a black rectangular box containing the text "Don't waste water" in white. Below this box is a white rectangular box containing the text "Every drop counts" in blue.

Don't
waste
water

Every drop counts

1964

Save water



חסכון
במים

חבל על כל
טיפה

Every drop counts





One of these in your shower.

זכרון
יעקב

תנינים

צדה

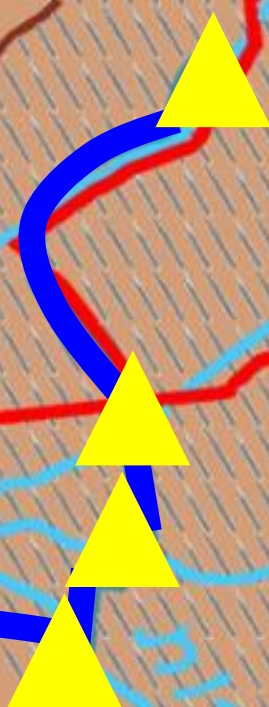
בנימינה

אור
עקיבא

פרקן

מפארת

פרדס חנה-





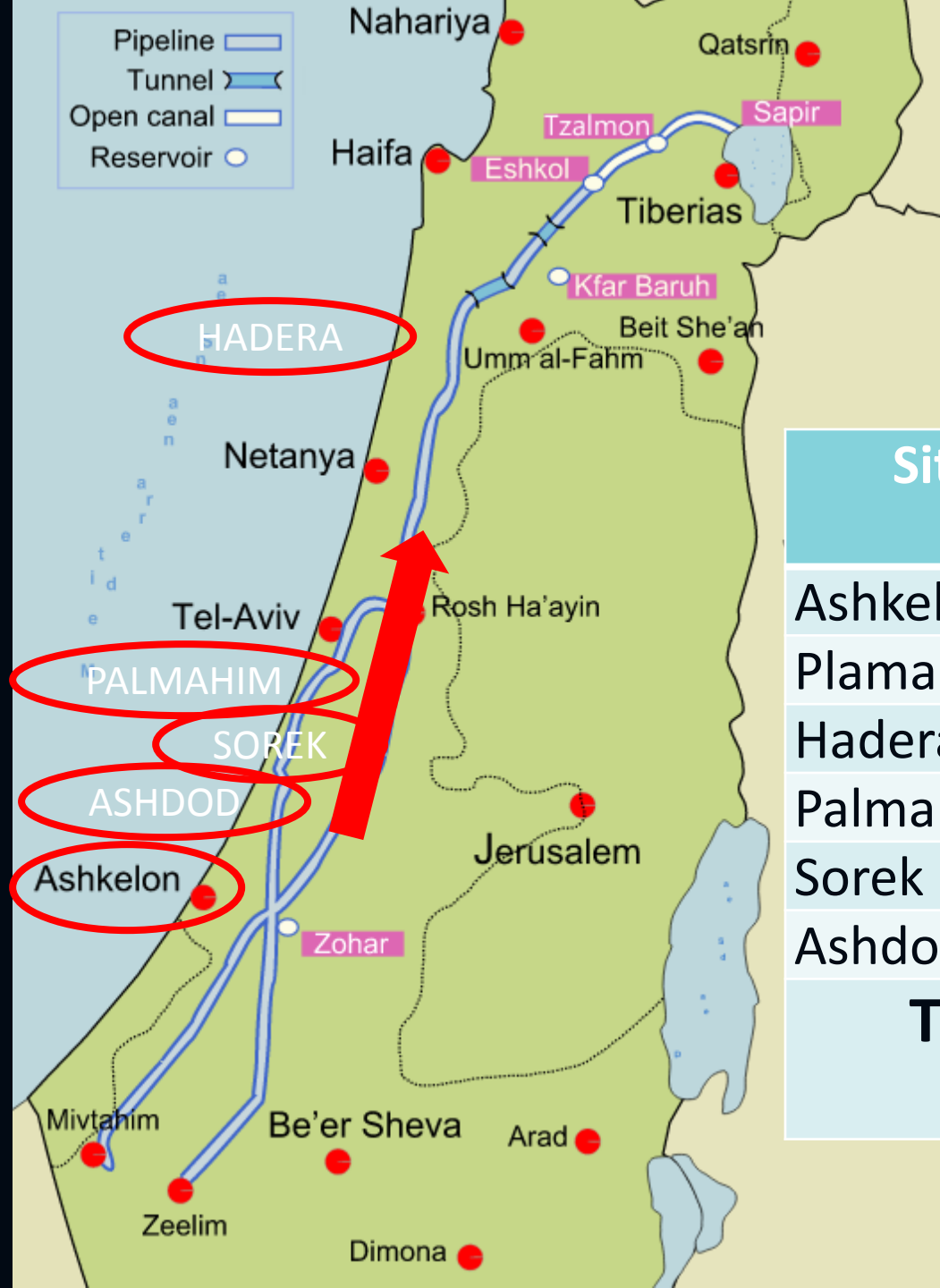




Sales

60%





Site	Capacity (million m ³ /y)	Year
Ashkelon	120	2005
Plamahim 1	45	2007
Hadera	145	2009
Palmahim 2	45	2013
Sorek	150	2013
Ashdod	100	2015
TOTAL	605 (MCM/y) 1.66 (MCM/d)	





<10%



<3%

Desalination supply = ~60% Urban water demand

National water carrier:

1969 - 80% irrigation / 20% drinking water

2018 - 20% irrigation / 80% drinking water

Municipal wastewater reused: >85%

Irrigation with effluents: ~50%

Water law



- 1959
 - All water sources in Israel are the property of the public.
 - Water are controlled by the State and are intended to fulfill the needs of the population and the development of the country.
- Revised 2006
 - The national Water Authority is responsible for water resources management and allocation to uses.
 - The price of water shall reflect its cost to assure effective use of water.

Regulations and Standards

- Wastewater quality for unrestricted irrigation
- Wastewater quality for disposal to streams
- Industrial effluent quality
- Drinking water quality
- Desalinated water quality
- Greywater standards

Standards are a major driving force in the development of the water sector

Materials and equipment

Deep involvement in ISO committees

Main State Institutions

**National Water Authority -
Regulation, Pricing, Supervision**

Ministry of Energy, Water
and national infrastructure -
Legislator

Ministry of Health - Water
Quality - Legislator,
Regulation

Ministry of Environmental
Protection - Pollution
Control

Ministry of Agriculture -
Regulator, Legislator

Mekorot National Water
Company - Water supply

Municipal water authorities
- Distribution to consumers

Ministry of Economy -
Water industry

350



Empowering Israel's water industry

- **Growth - global**
- **Israel - a feasibility lab**
- **Incentives - from research to commercialization**
- **Global support; International collaborations**
- **Promoting international standards**

Montana 2017



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Thank you!

