

# SWIM and Horizon 2020 Support Mechanism

Working for a Sustainable Mediterranean, Caring for our Future

## Sustainable Water Management

Presented by SWIM-Water Israel Focal Point

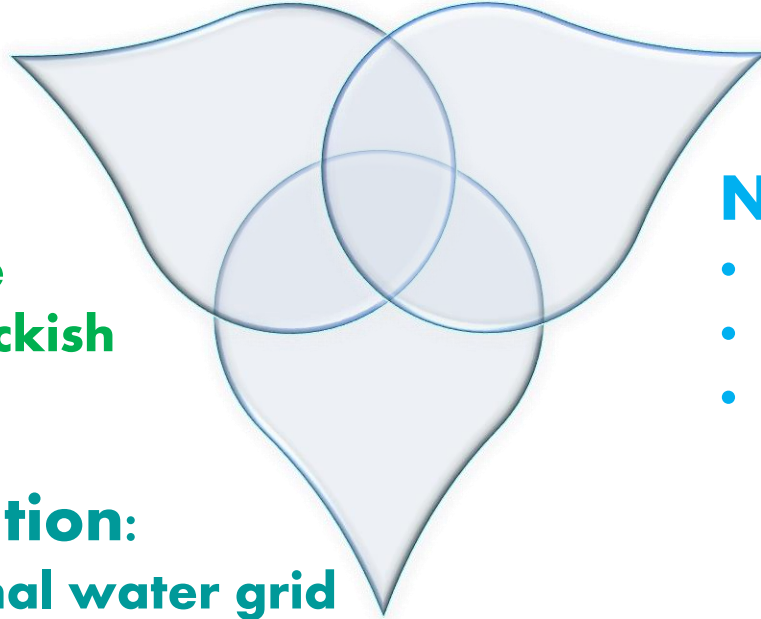
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SWIM-H2020 SM National Meeting: Israel

Supporting sustainable water resources and a clean environment in the Mediterranean region

Tel Aviv, 18 December 2018

# Water Resources Pillar



## Manufactured:

- Wastewater Reuse
- Seawater and brackish Desalination

## Natural:

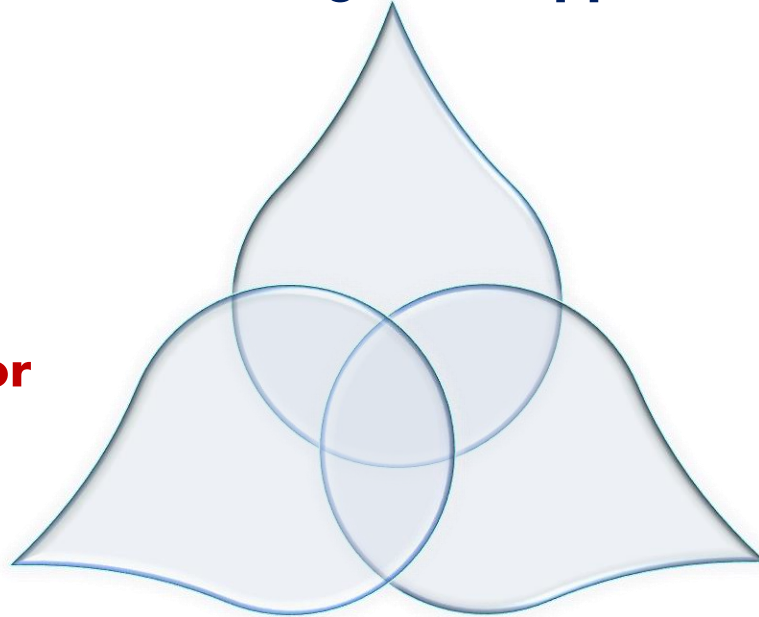
- Precipitations
- Enrichment
- Climate Change Models

## Integration:

- National water grid
- Total sewage collection and reuse
- Semiannual operational plan
- Preservation and Recovery constraints

## **Regulation:**

- **One decision making regulatory body**
- **Professional (not political) level**
- **Integrative approach**



## **Finance:**

- **Cost recovery for suppliers**
- **Fairness and uniformity for consumers**

## **Service Standards:**

- **Investments in infrastructure**
- **High quality standards for end users**

# **Governance Pillar**

# Water Playground

## Regulator



**Consumers**



**Suppliers**

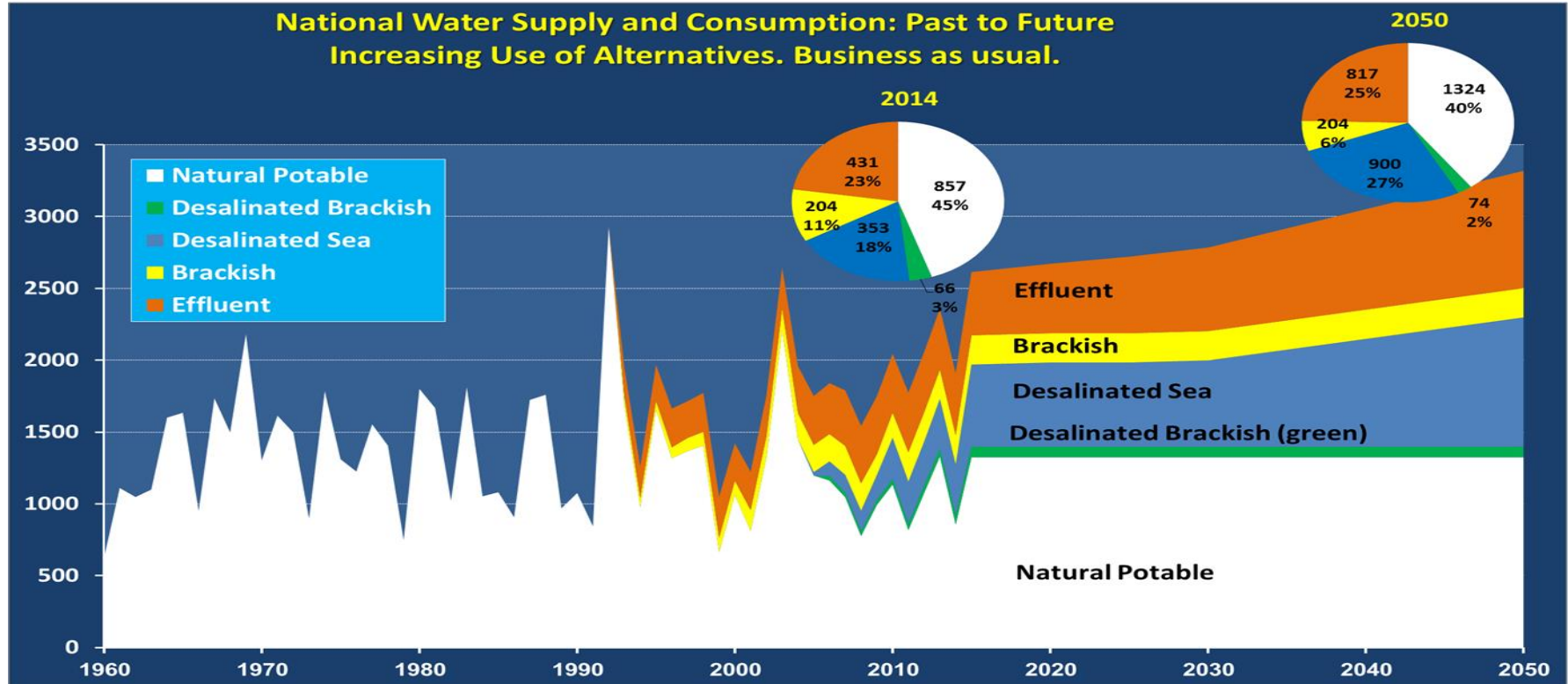


**More than 50 Municipal  
Water Companies**

**1000 local suppliers in  
the rural sector**

# National Water Supply and Consumption

## Past to Future



# Principals and Goals of the Israel Water Sector Reforms

**Consumers**

Water supply is a valuable commodity. The water tariffs enable the sustainability of a reliable water supply, preserving the natural water resources and keeping a clean environment.

**Suppliers**

Reliable water and wastewater services; infrastructure development, efficiency and high service standards.

**Regulator**

Simple and transparent regulatory system that enables the development and operation of the water sector.

# Challenges in the Process...

- **Struggles over regulation authorities**
- **Fights to preserve authority with no responsibility**
- **NIMBY**
- **Political arguments to achieve sectorial goals  
(agricultural subsidized tariffs, municipalities' high income from water tariffs, effective control over water sources etc.)**
- **Enforcement**



## SWIM and Horizon 2020 Support Mechanism

Working for a Sustainable Mediterranean, Caring for our Future

- Israel expresses its reinforced content with SWIM-H2020 project and acknowledged its importance as a regional platform promoting intra- and inter-sector dialogue and networking and the value of regional projects for the future.



## SWIM Activities: *lessons learnt (from SWIM stage I conclusion)*

- More in advance notice to be provided so as to allow proper planning from the side of the countries;
- More emphasis on the introduction and presentation of background of trainees, including considering the political issues among countries. Further, the issue of respect towards all participants regardless the political context and difficulties in the region;
- More exercises/practical applications and hands-on demonstrations, ideally in a cross-country composition of expert or working groups;
- More presence of European experts and administrators for sharing EU experience and lessons learnt;
- More of the material in advance or at the beginning of the meeting in order to prepare the delegates.

# SWIM-H2020 SM Activities: Water Component

Activities	Participant Feedback
Regulatory and organizational <b>issues of decentralized water management</b> , dealing also with drafting and implementation of <b>management plans at sub-national level</b> and the role/importance of Information Management in Water Resources Planning and Management at the local level	<i>There were two days of site tour in which we've been introduced to organizations that run local water management that supplies the water and does actions to protect the water sources. There were also two days of workshops in which we discussed the approach of spreading part of the responsibility to the local level and the need to share the public's policy and information. In addition, methods were presented for sharing and gathering data such as GIS and the way in which water data are concentrated in all European countries. There is also some talk of groundwater, what knowledge is needed to sketch and protect the groundwater body.</i>
Regional Training on Technical, Regulatory and Cultural <b>aspects of Treated Wastewater Reuse</b>	<i>I have shared our vast experience in promoting and implementing effluent reclamation for various uses in Israel, the latest regulatory measures implemented - tertiary quality, regional suppliers and effluent transfer. Other ideas discussed, such as treatment for unlimited quality, expansion of the use of effluents and the search for alternative solutions for the disposal of surplus effluents in the future, the side effects that we are concerned about - the salinization of soil, hormones and drugs that accumulate in soil and groundwater</i>

# SWIM-H2020 SM Activities: Water Component

Activities	Participant Feedback
<p>Different technical and regulatory aspects of <b>Drought Risk Management and Regional Training on Drought Risk Analysis and Mapping</b></p>	<p><i>We received a very useful tools for calculate and analysis drought indicators. In addition, we learned from the colleges experience regarding Hydrological flood models for better planning and operating water resources</i></p>
<p>Reviewing <b>good governance schemes</b> with emphasis on the <b>implementation and enforcement of legislation</b>, needed regulatory reforms and introduction of appropriate incentives</p>	<p><i>As part of the workshop, we learned about the usefulness and principles of proper water governance, such as the quality and accuracy of legislation, enforcement approaches, public participation and stakeholders in protecting water resources, enforcement of policies and punitive measures. We have examined how these methods and principles can be applied or applied in our countries and EU countries and have examined the difficulties in implementing appropriate governance practices.</i></p> <p><i>The workshop was conducted through mutual enrichment of participants, facilitators and lecturers.</i></p> <p><i>In the following workshops, it would seem useful to partner countries, which share similar climate conditions, to present their experience in depth and to enrich the knowledge of workshop participants and the representative bodies.</i></p>

## SWIM Activities: *Items for future consideration...*

- Focal Point involvement – Feedbacks, reports, learning material after every activity, work plan of regional activities ahead
- Creating an alumni mechanism to following up the capacity building activities at national level – contact details of every participant on the website
- Failure analysis together with success stories – hard to share, much to learn
- Means to attract private sector representatives for the regional activities (what to gain)
- Various experts days allocations techniques – one intensive capsule project (for example, high level delegation for 10 days study tour and workshop)