



Presentation from
**2015 World Water
Week in Stockholm**

www.worldwaterweek.org

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UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

WATER IN INDUSTRY FOR A SUSTAINABLE WORLD



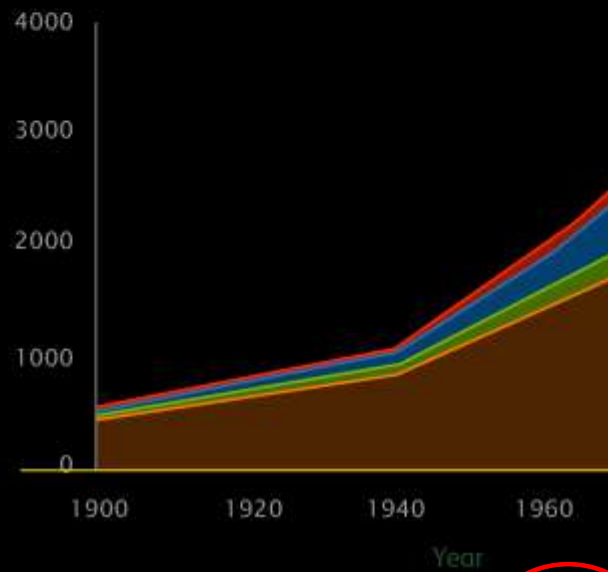
INCLUSIVE AND SUSTAINABLE INDUSTRIAL DEVELOPMENT

Industry is a key driver of economic development



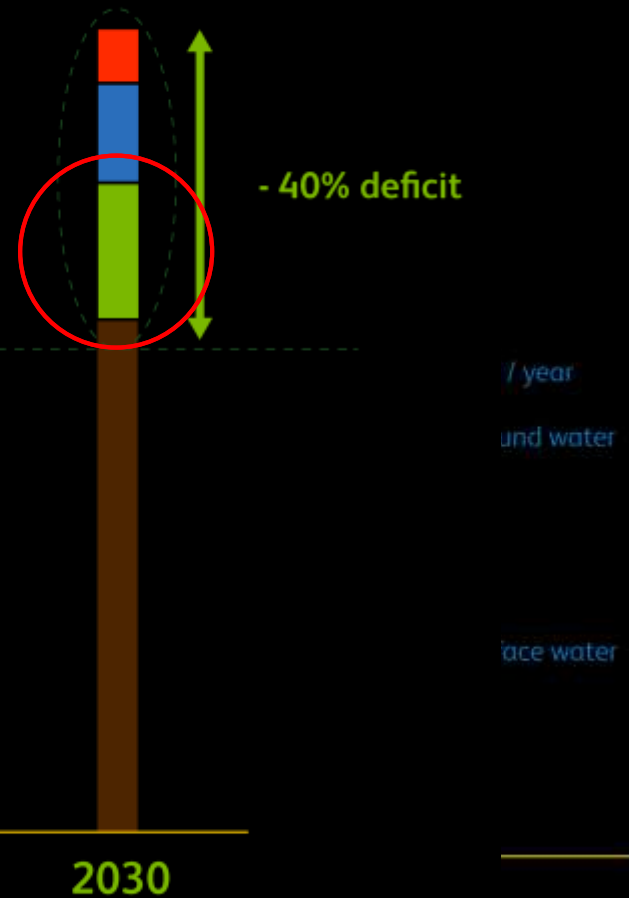
Estimated annual world water

km³ per year



Legend

■ Reservoir losses
 ■ Municipal
 ■ Industry
 ■ Agriculture



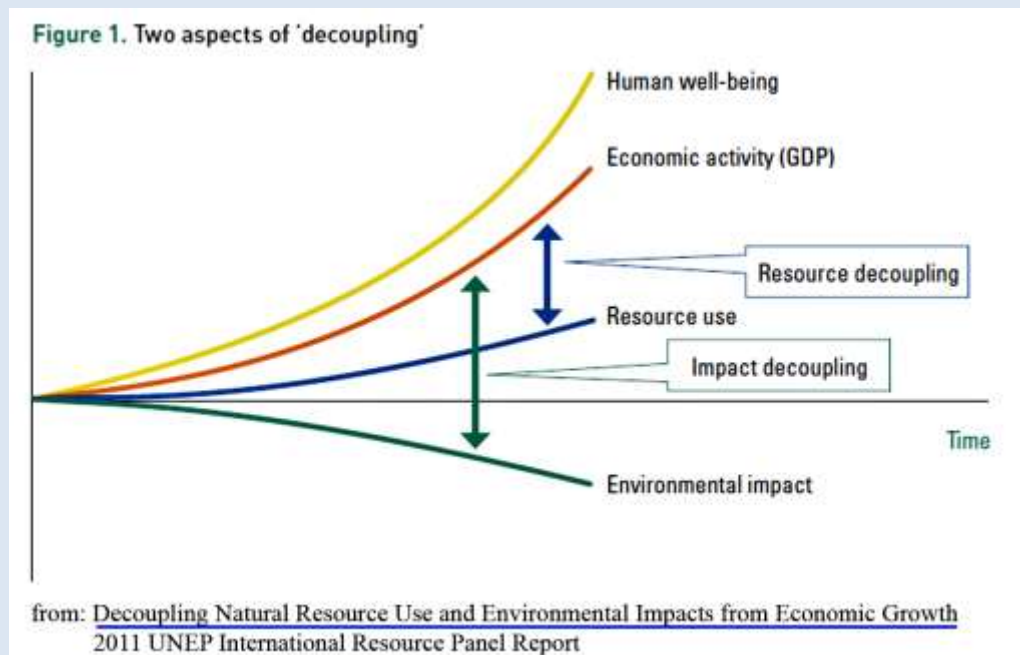
UNIDO is the specialized agency of the United Nations that promotes industrial development for **poverty reduction**, **inclusive globalization** and **environmental sustainability**.

The **mandate** of the United Nations Industrial Development Organization (UNIDO) is to promote and accelerate **Inclusive** and **Sustainable Industrial Development** in developing countries and economies in transition.

CHALLENGE

OECD: BAU global water demand for manufacturing industries will increase by 400% from 2000 to 2050

RESPONSE – INCREASE EFFICIENCY



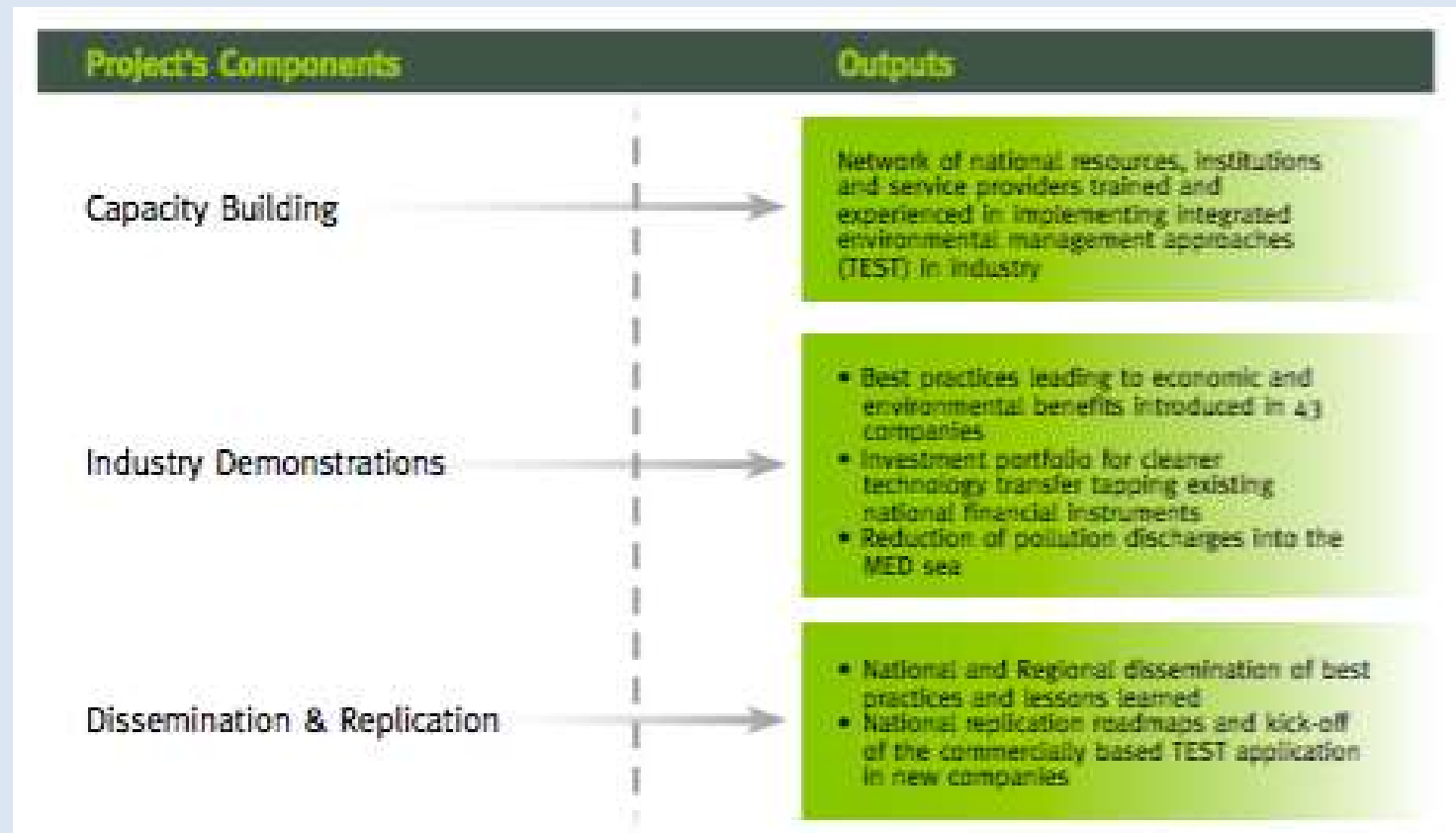
RESPONSE – GREEN INDUSTRY POLICY

LIMA DECLARATION (2013) - UNIDO GREEN INDUSTRY

<i>Greening of industries</i> <i>Helping enterprises improve resource productivity and environmental performance</i>	<i>Creating new green industries</i> <i>Establishing new operations delivering environmental goods and services</i>
<ul style="list-style-type: none"> ▪ Efficient use of materials, energy and water ▪ Reduction of wastes and emissions ▪ Safe and responsible management of chemicals, renewable raw materials ▪ Phasing out toxic substances ▪ Substituting fossil fuels with renewable energy sources ▪ Product and process redesign, Green Chemistry 	<ul style="list-style-type: none"> ▪ Reduce, reuse and recycle (3R) industries ▪ Pollution control technology and equipment ▪ Renewable and energy-efficient technologies ▪ Waste management and resource recovery ▪ Environmental advisory and analytical services

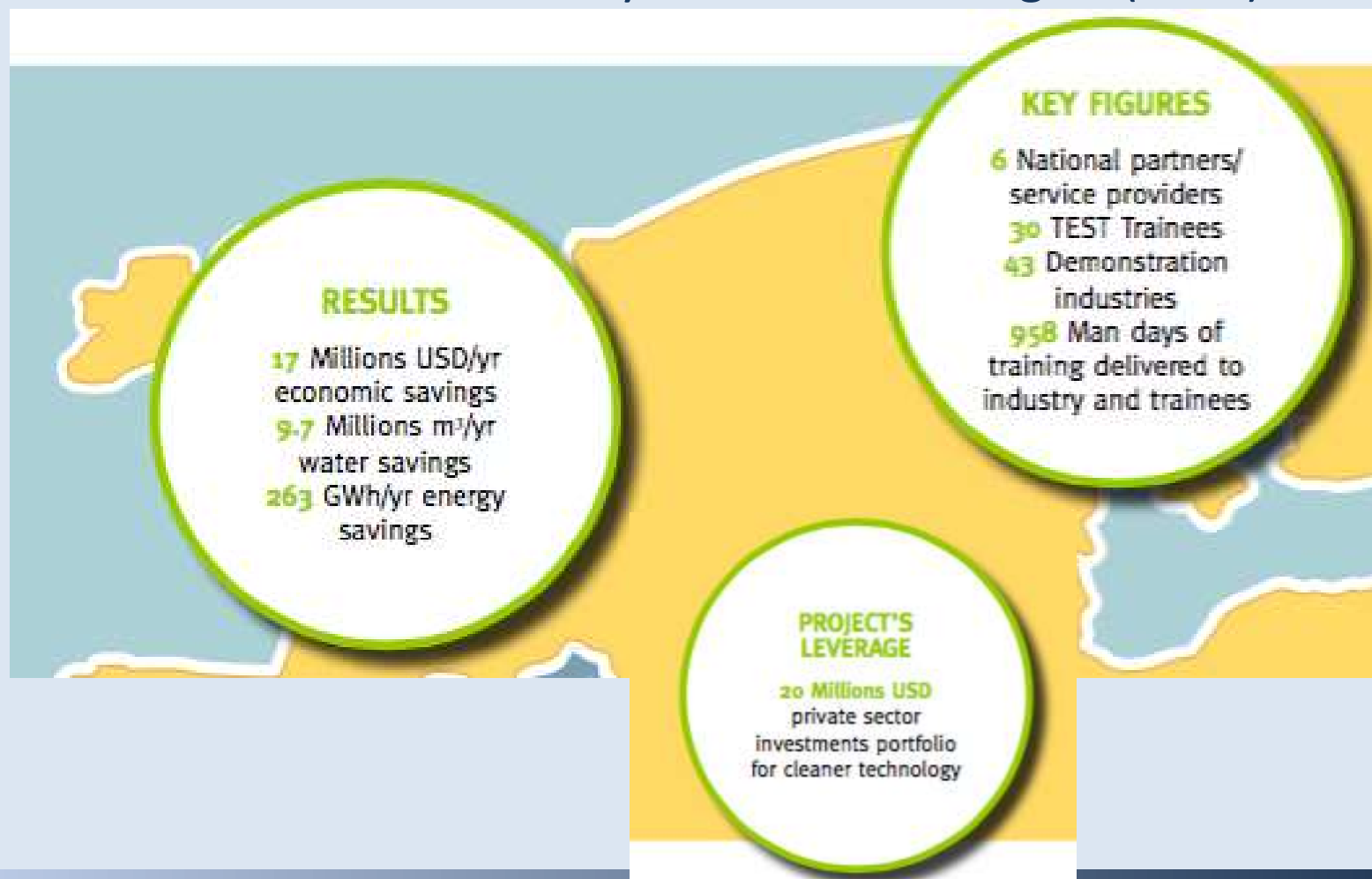
RESPONSE – INSTRUMENTS

Transfer of Environmentally Sound Technologies (TEST)



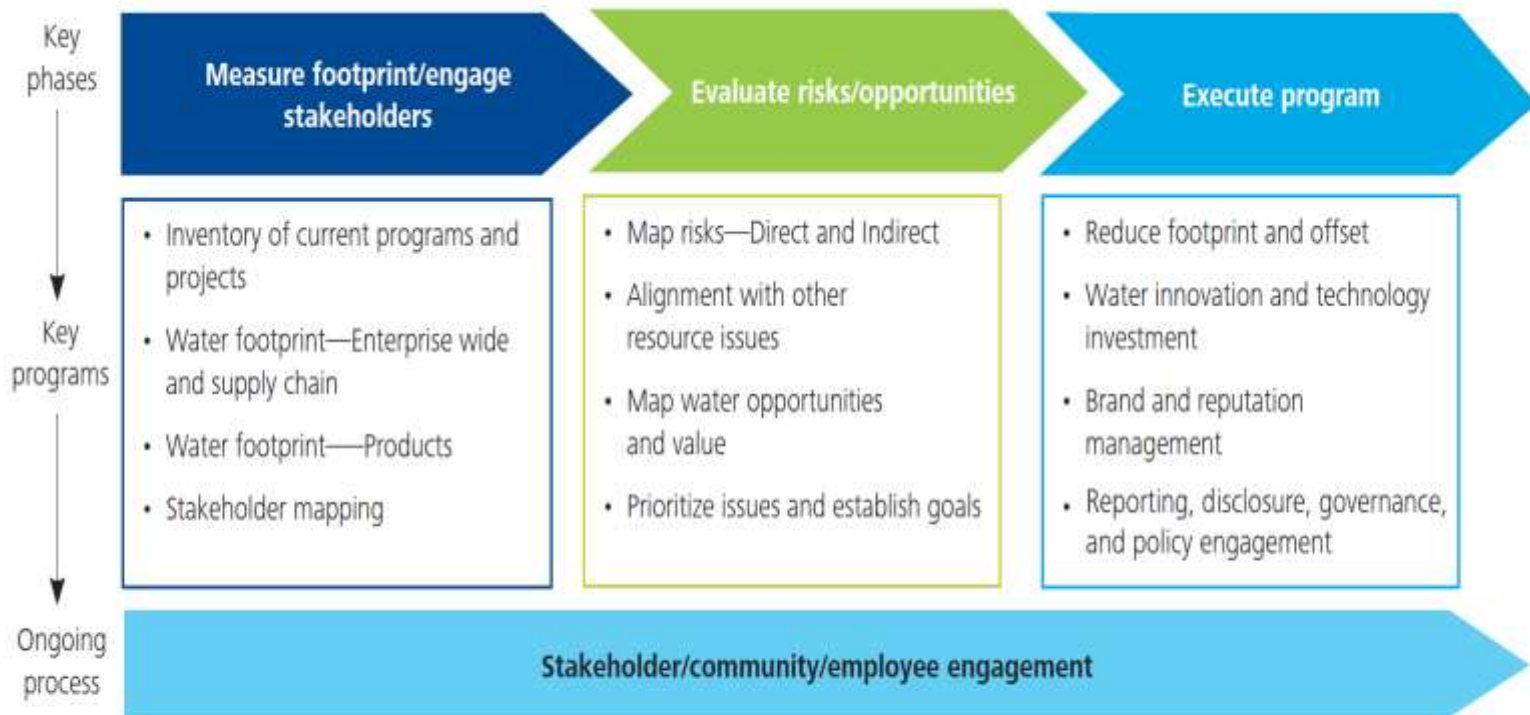
RESPONSE – INSTRUMENTS

Transfer of Environmentally Sound Technologies (TEST)



RESPONSE – INSTRUMENTS

PPP for Water Stewardship



An effective water stewardship strategy has three key phases and programs to support the actions of each phase. It is essential to keep stakeholders, local communities, and employees engaged in the stewardship activities across all phases.

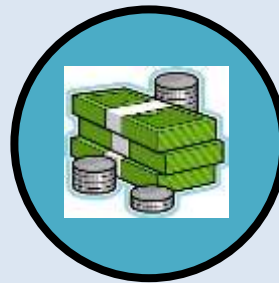
With permission of W. Sarni, 2011

Safeguarding the Environment

- Any progress on poverty eradication will be short-lived if we do not succeed in achieving the necessary economic growth within an environmentally sustainable framework.
- Cleaner and resource-efficient pathways to production need to be promoted, as well as the decoupling of economic growth from environmental degradation.
- Environmentally-sound interventions in manufacturing industries can significantly reduce environmental degradation.
- We must promote “green industries” for the delivery of environmental goods and services.
- Sustainable production patterns also have economic benefits, in terms of reduction of the wastage of costly resources, and contribution to increased competitiveness. Energy efficiency in industrial production equally proves to be an incentive in the form of cost reduction.

INCLUSIVE AND SUSTAINBLE INDUSTRIAL DEVELOPMENT

ECONOMIC

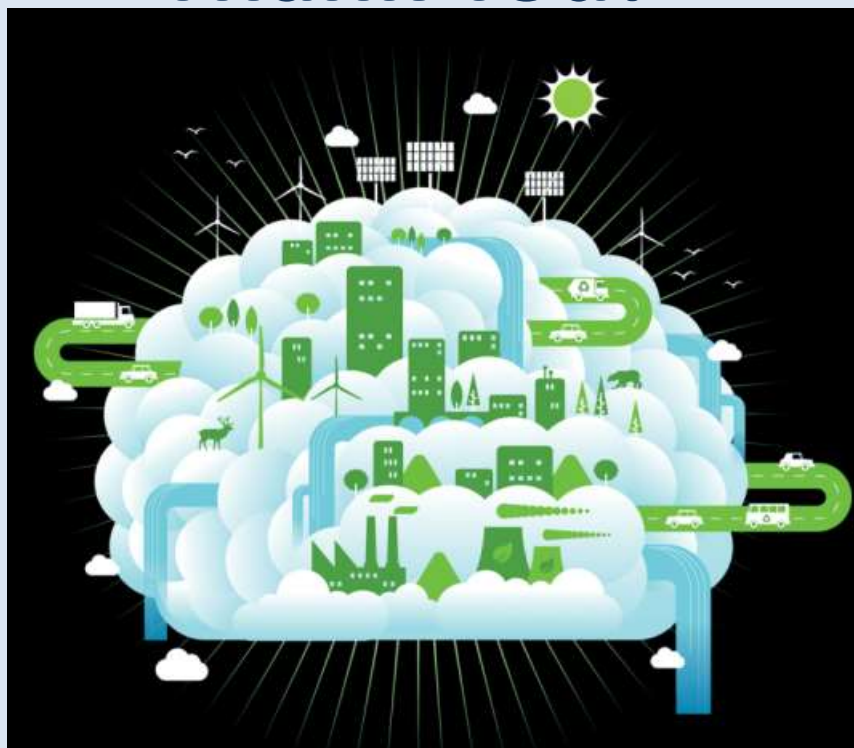


SOCIAL



ENVIRONMENTAL

Thank You!



www.unido.org

C.Susan
UNIDO PTC/ENV/ IRE
c.susan@unido.org