



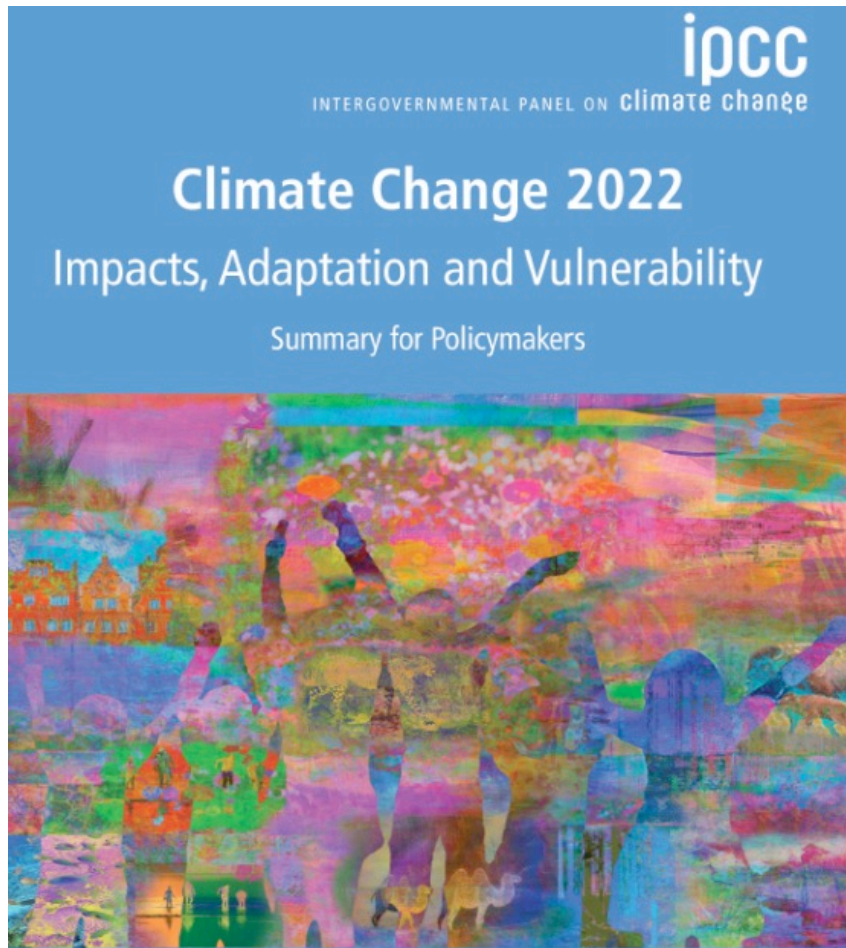
Food and Agriculture  
Organization of the  
United Nations



# FAO inter-Regional Technical Platform on Water Scarcity (iRTP-WS): *Scaling Up Water-Related Action for Food and Climate Security*

Cairo Water Week, 2022

# Water and Climate Change



(b) Observed impacts of climate change on human systems

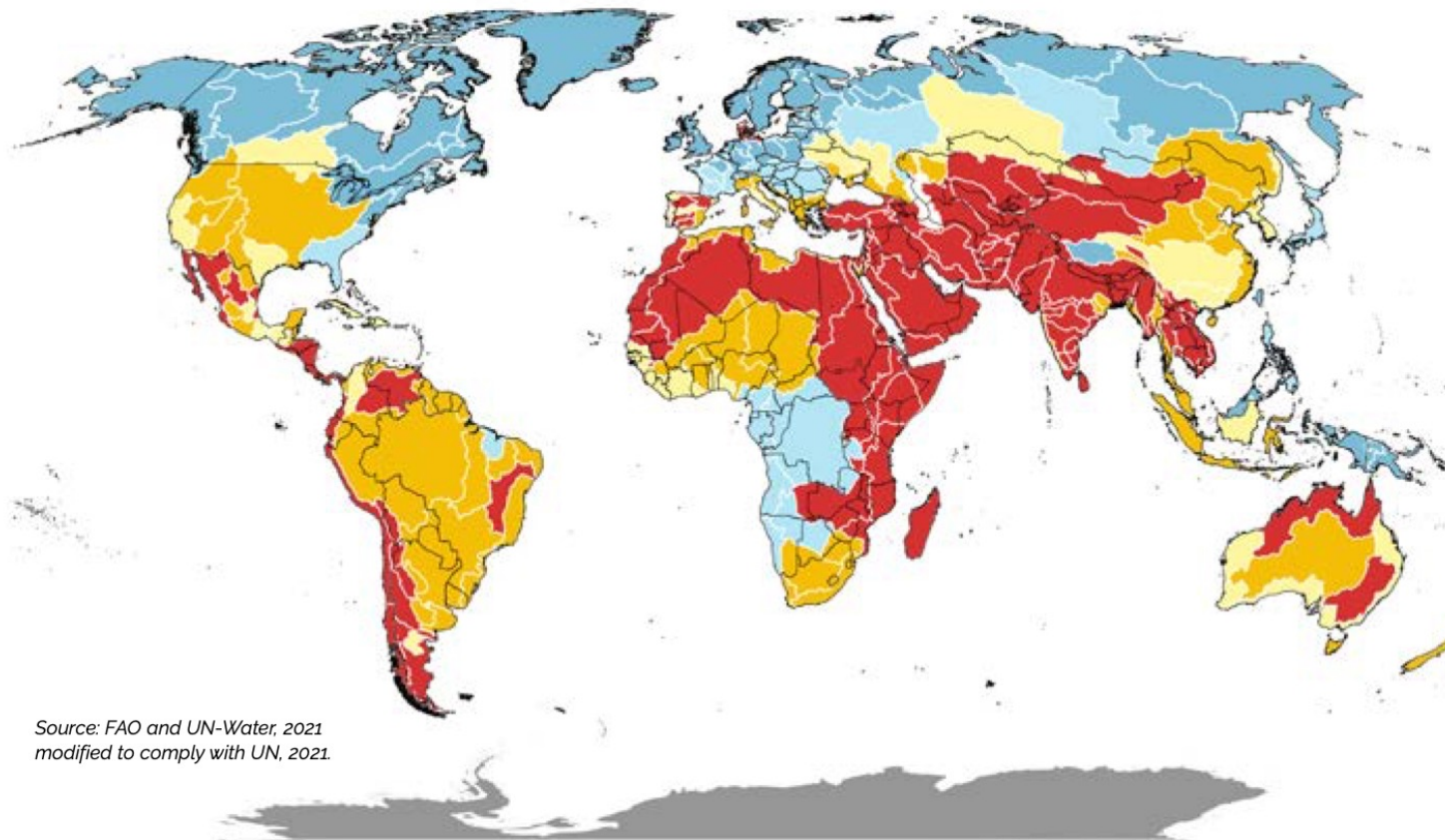
Human systems	Impacts on water scarcity and food production				Impacts on health and wellbeing				Impacts on cities, settlements and infrastructure			
	Water scarcity	Agriculture/crop production	Animal and livestock health and productivity	Fisheries yields and aquaculture production	Infectious diseases	Heat, malnutrition and other	Mental health	Displacement	Inland flooding and associated damages	Flood/storm induced damages in coastal areas	Damages to infrastructure	Damages to key economic sectors
Global	⊖	⊖	○	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Africa	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Asia	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Australasia	⊖	⊖	⊖	⊖	⊖	⊖	not assessed	⊖	⊖	⊖	⊖	⊖
Central and South America	⊖	⊖	⊖	⊖	⊖	⊖	not assessed	⊖	⊖	⊖	⊖	⊖
Europe	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
North America	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Small Islands	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Arctic	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
Cities by the sea	○	○	○	⊖	○	⊖	not assessed	⊖	○	⊖	⊖	⊖
Mediterranean region	⊖	⊖	⊖	⊖	⊖	⊖	not assessed	⊖	⊖	○	○	⊖
Mountain regions	⊖	⊖	⊖	○	⊖	⊖	⊖	⊖	na	⊖	⊖	⊖

*“Roughly ½ of the world population currently experiences severe water scarcity for at least some part of the year due to climatic and non-climatic drivers.”*

# Status of Water and Agriculture

Global water stress levels generated by all sectors

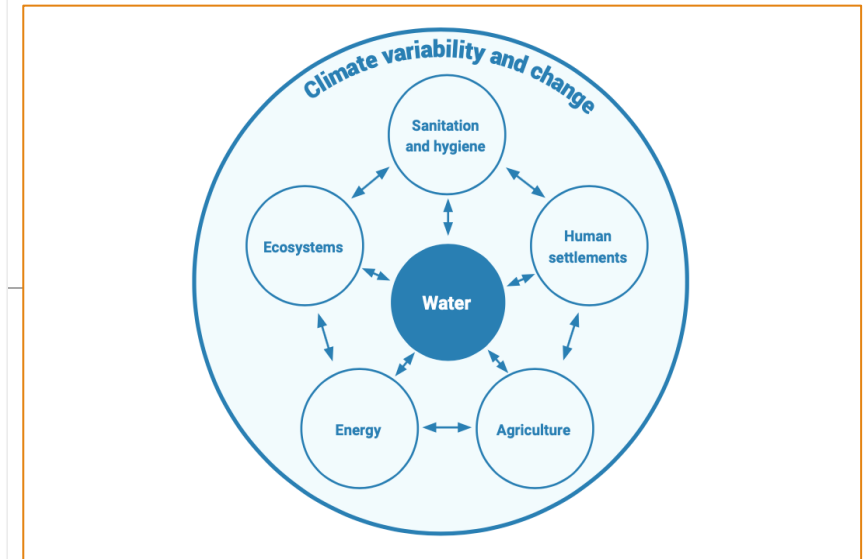
0 - 10%   10% - 25%   25% - 50%   50% - 75%   75% - 100%



Source: FAO and UN-Water, 2021  
modified to comply with UN, 2021.

About 1.2 billion people live in areas where severe water shortages and scarcity challenge agriculture and where there is a high drought frequency in rainfed cropland and pastureland areas or high water stress in irrigated areas.

## SOLAW 2021: SYNTHESIS REPORT

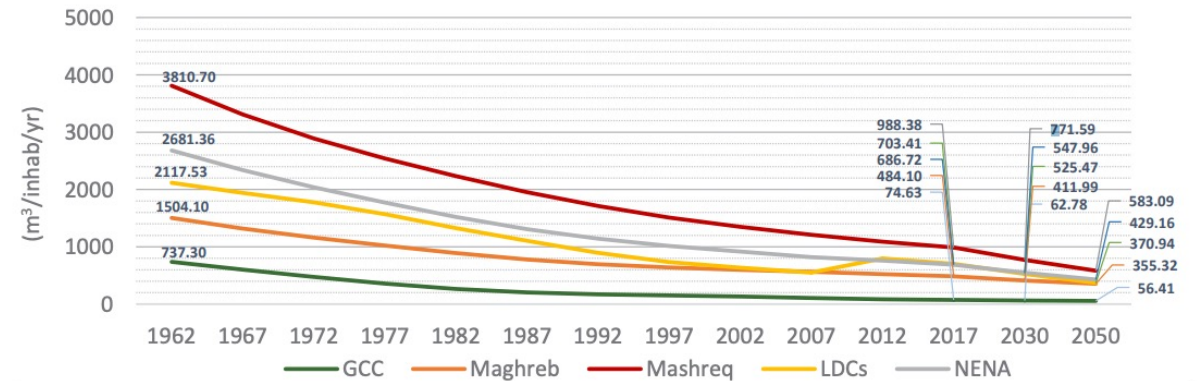


Interactions between water and other major socio-economic sectors affected by climate variability and change (UN-WATER, 2020)

- The interconnected systems of land, soil and water are stretched to the limit.
- Land and water resources have built to the point where productivity of key agricultural systems is compromised and livelihoods are threatened.
- land degradation, soil erosion, salinization and ground- water pollution are not perceived as urgent risks, but they run deep and are persistent.
- Land and water resources need safeguarding from deterioration and depletion

**The complexity and scale of the task should not be underestimated.**

## PAST RECORDS AND FUTURE PROJECTIONS OF RENEWABLE WATER AVAILABILITY PER CAPITA\*



**Source:** United Nations, Department of Economic and Social Affairs (UNDESA) Population Division. 2019. *World Population Prospects 2019, online edition*. [Cited 13 April 2021]. <https://population.un.org/wpp/Download/Probabilistic/Population/>

Note: \*LDC figure increased between 2007 and 2012 due to the inclusion of Sudan data; projections for 2030 and 2050 assume that water availability remains constant and population projects use the median (50 percent) prediction interval of the Probabilistic Projection of UN Population Division.

**SOLAW-NENA 2022: SYNTHESIS REPORT**

# Global Priorities



**Integrated Solutions Planned at all Levels**



**More Inclusive and Adaptive Land and Water Governance**



**Technical and Managerial Innovation targeted to address priorities and Accelerate Transformation**



**Investment Redirected towards Social and Environmental gains derived from land and Water management**

# A call for Collaborative efforts towards **Up Scaling Water-Related Actions**



## *inter-Regional Technical Platform* *Water Scarcity*

*A Gateway to Cope with Water Scarcity*

An *inter-regional* partnership of international organizations, national and local governments, and non-government organizations **working together** across silos in an **action-oriented** and **result-based approach** to overcome the development challenges experienced in the context of **water scarcity & food and climate security in consultation with affected communities.**

*(In support of the Implementation Sustainable Development Goals 2015, 2030 )*

## Lunch of FAO iRTP-WS in June, 2022



*“Beyond the technical responses, collaboration and effective cooperation is critical to build a positive momentum and address the water scarcity challenges in all countries. The inter-Regional technical platform on Water Scarcity has the potential to facilitate information exchange, create synergies, promote joint activities and future collective planning across the regions and beyond FAO”*

**Her Royal Highness Princess Basma bint Ali,  
iRTP-WS Launch, 2022**

# Lunch of FAO iRTP-WS in June, 2022

Agriculture accounts for about 70% of all freshwater withdrawals in the world,

This screenshot shows a Zoom meeting window. The main video displays a man speaking in front of a background featuring the United Nations and FAO logos. A subtitle at the bottom of the video reads: "Agriculture accounts for about 70% of all freshwater withdrawals in the world,". On the right side of the window, a vertical list of participant thumbnails is visible, including names like Ahmed Hassanien, Eugene Rurangwa, Heba Fahmy, Louise Whiting, and Faraj ElAwar.

Archivi, Youth Re...

1/2

This screenshot shows a grid of Zoom meeting thumbnails. The top row includes thumbnails for participants with FAO logos and names like Maya Takagi. The middle row features a thumbnail with the text "Archivi, Youth Re..." and a thumbnail with a play button icon and "1/2". The bottom row shows several more participant thumbnails, some with names like "IS..." and "jacquei@auceg...".

Recording...

This screenshot shows a Zoom meeting window with a speaker at a desk. The speaker is a man in a suit sitting at a desk with a laptop and water bottles. The background features the United Nations and FAO logos. A "Recording..." indicator is visible in the top left corner of the video frame. A list of participant thumbnails is visible at the top of the window, including names like Ahmed Hassanien, Eugene Rurangwa, Heba Fahmy, Louise Whiting, Faraj ElAwar, and Jean-Marc Fabres.

IS...

jacquei@auceg... gihane.hassan...

This screenshot shows a grid of Zoom meeting thumbnails. The top row includes thumbnails for participants with names like "IS..." and "jacquei@auceg...". The middle row features a thumbnail with a play button icon and "1/2", and a thumbnail with the name "gihane.hassan...". The bottom row shows several more participant thumbnails, including one with a name starting with "gihane.hassan...".



# Mission

To **strengthen** knowledge exchange and **support** the development of innovative methods, pilots and tools to **scale-up action** and **address** complex development challenges on water, food security towards speeding the achievements of the SDGs.

With a special focus on **Goals 6 & 2** and considering the interlinkages across other related SDGs.

1

Bridge the gap between and science and policy

2

Promote the use of scientific evidence-based policy-making in integrated development planning processes

3

Advance Capacity Development in Water, Agriculture and Climate-related topics

4

Scale up water-related investments

# “Leaving No One Behind”

**(A) Supporting the International Agenda,** Lead and facilitate discussions on governance reforms, effective nexus frameworks

**(B) Knowledge Management, Technology and Innovation,**  
Pool experiences, Make use of broader exchange and learning fora and promotes the use of digital transformation and advanced tools

**(C) Inclusion & Participation,** Forge strategic alliances and fostering intersectoral collaboration and Partnership

**(D) Capacity Building and Engagement.** Promote joint ventures and Support the development of a common capacity development agenda to promote sound practices

**(E) Scaling up investments and Innovation:** Support Grant-matchmaking, funding alliance and cost-sharing.

*Five Areas of Work  
Embracing Complexity, Inclusion,  
Interconnectedness, and Innovation!*



Responsible Investment in Agriculture



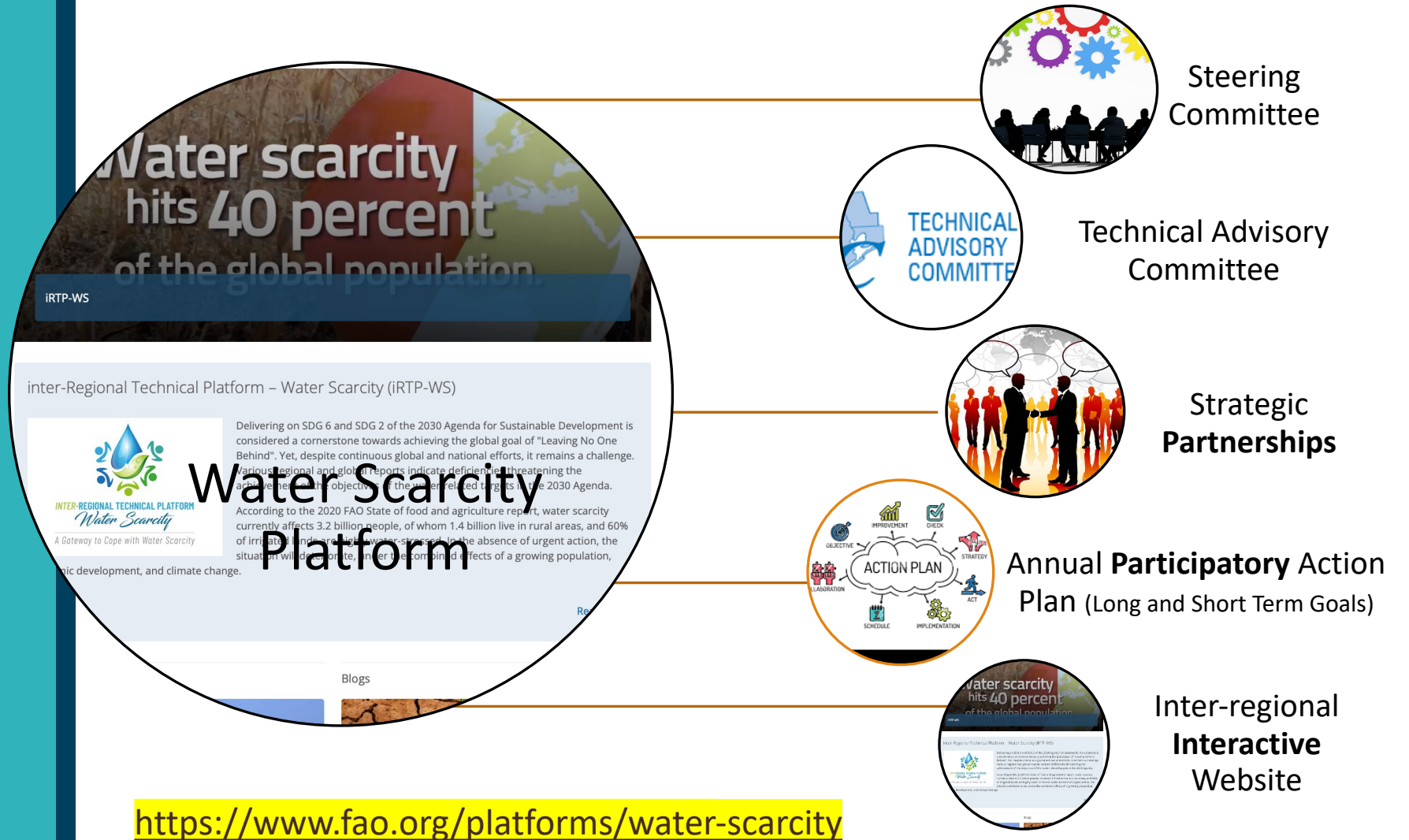
# Overarching Operational Considerations

1. Customizing International approaches and standards.
2. **Advancing the Use of Technology, Innovation, and Digital Transformation**
3. **Maximizing the benefits from indigenous knowledge and experiences.**
4. Fostering coherence between regional, national and local policies,
5. **Prompting on-job trainings, technical webinars best practices & Peer to Peer learning;**
6. Promoting data sharing and information exchange across all levels and actors.
7. **Supporting Inclusion and Gender Equality “A Whole of Society Approach”**
8. **Leveraging Coordination and Mobilizing Partnerships**
9. **Scaling up Investments and resources mobilization to enhance preparedness and Innovation**

## RELATED SDGS



# iRTP-WS Structure and Support- Tools



# Real Transformative Change on the Ground

Joining Hands  
↓  
Consultative and Participatory approach  
↓  
True Ownership

## Levels of Engagement



# Partners

Eol:

<https://www.fao.org/platforms/water-scarcity/Partnership/Expression-of-Interest/en>



Union for the Mediterranean  
Union pour la Méditerranée  
الاتحاد من أجل المتوسط



IOM  
UN MIGRATION



WORLD BANK GROUP



How do we envision the role of Youth and young professional in the iRTP-WS?



**Key  
Elements for  
Effective  
Young  
Professional  
Engagement**

**Connection to Purpose**

**Connection to Other**

**Partner on Engagement**





Food and Agriculture  
Organization of the  
United Nations



**THANK YOU FOR  
YOUR ATTENTION**

