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UN system work on STI for the SDGs

STI Forum Pre-event, 5 May 2022

UNESCO's support to STI for the SDGs

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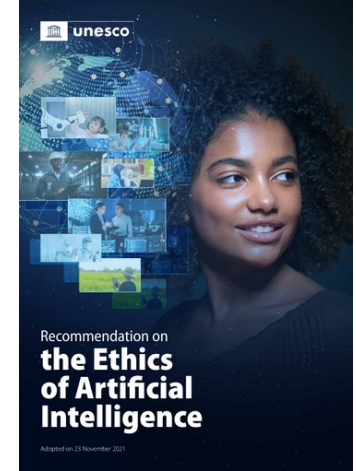
*vision of a world at peace
could not be a world without science*



UNESCO SUPPORT TO MEMBER STATES IN STI

UNESCO's five functions in STI

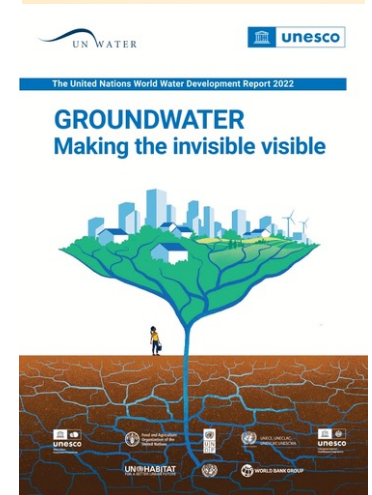
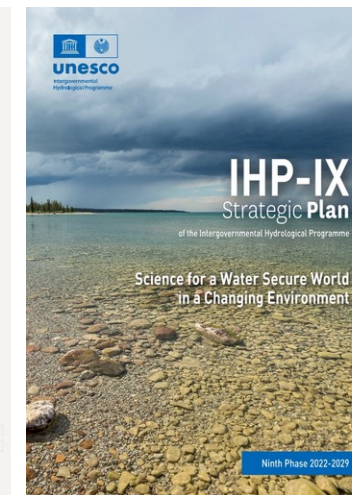
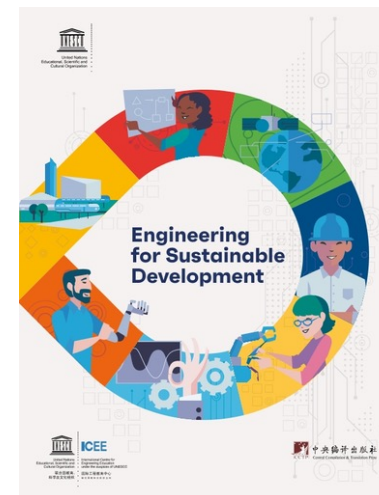
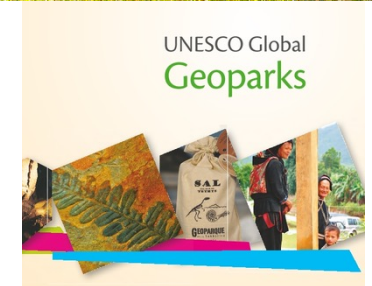
- ❖ **Laboratory of ideas:** generating innovative proposals and policy advice in STI
- ❖ **Clearing house:** developing and reinforcing the global agenda in STI through policy analysis, monitoring and benchmarking, data and statistics
- ❖ **Standard-setter:** setting norms and standards in STI and supporting their implementation
- ❖ **Catalyst and motor for international cooperation:** fostering alliances, intellectual, financial and technical cooperation, knowledge-sharing, operational partnerships in STI
- ❖ **Capacity-builder:** providing advice for STI policy development and implementation, and developing institutional and human capacities



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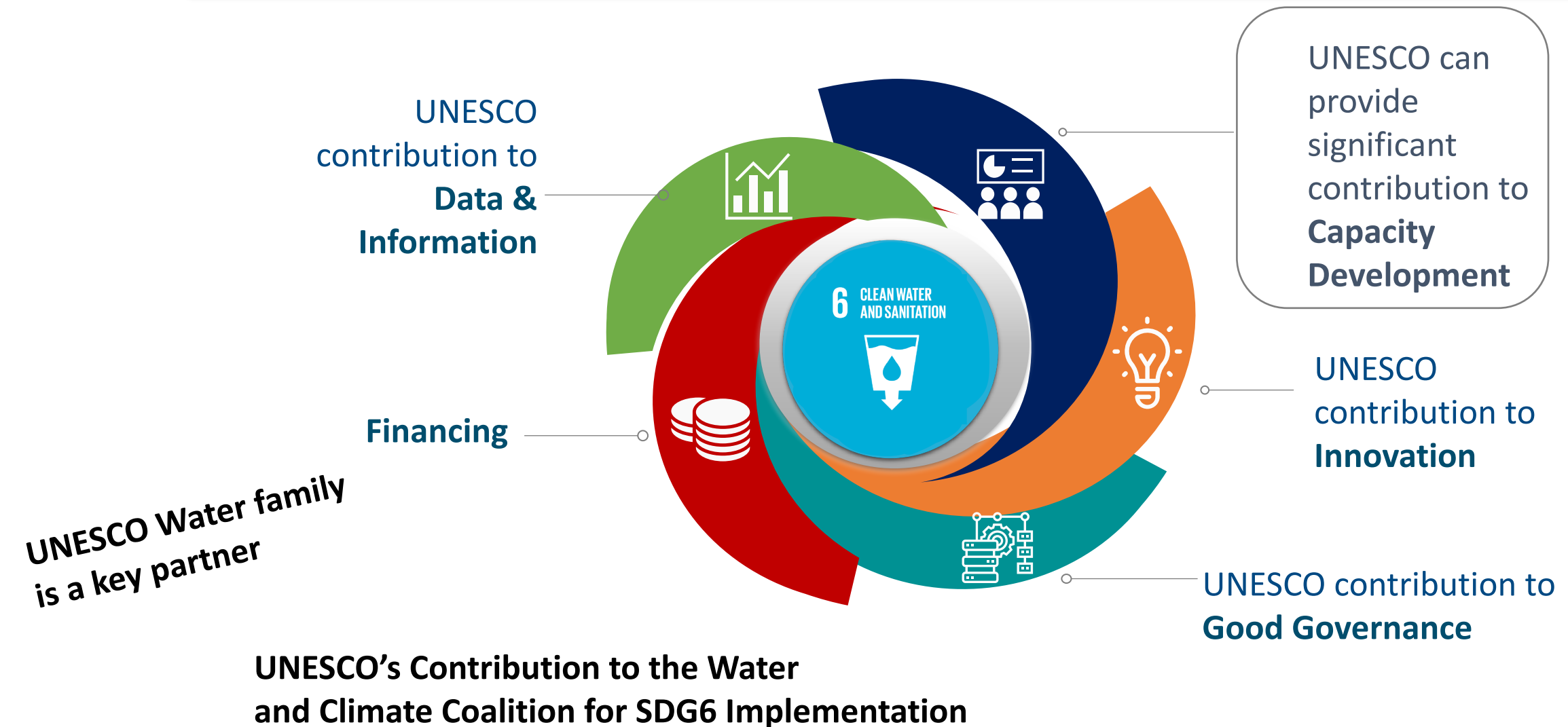
INTERGOVERNMENTAL SCIENTIFIC PROGRAMMES

- Intergovernmental Hydrological Programme (IHP)
- International Geoscience and Geoparks programme (IGGP)
- Local and Indigenous Knowledge Systems (LINKS)
- World Water Assessment Programme (WWAP)
- Man and the Biosphere (MAB) programme
- Small Island Developing States (SIDS)
- International Basic Sciences Programme (IBSP)
- UNESCO Designated Sites
 - UNESCO Global Geoparks
 - World Network of Biosphere Reserves
- Networks
 - Institutes and Centres
 - UNITWIN/UNESCO Chairs Programme
 - Youth networks



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UN SDG6 Global Accelerator Framework (support accelerated country programs)



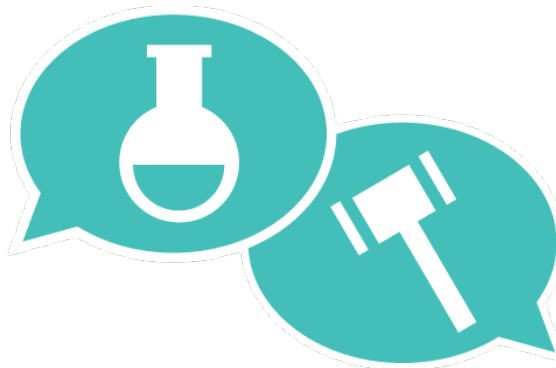
The Intergovernmental Hydrological Programme (IHP): *what is it?*



Mobilize international scientific cooperation to improve knowledge and innovation to address water security challenges



A unique network of more than 3000 experts the 'UNESCO Water Family', coordinated by the Division of Water Sciences of UNESCO



Strengthen the science-policy interface to reach water security at local, national, regional and global levels



Informed decisions on water: help decision makers adapt their policies based on sound scientific evidence

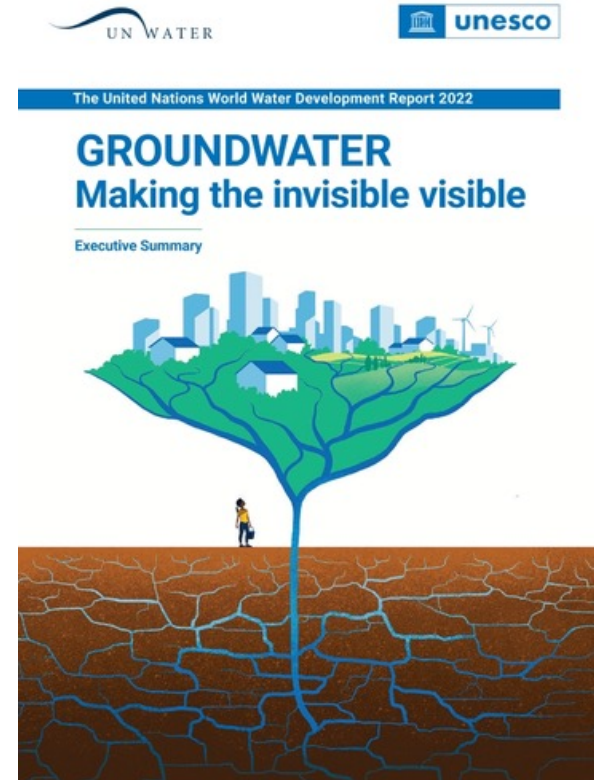
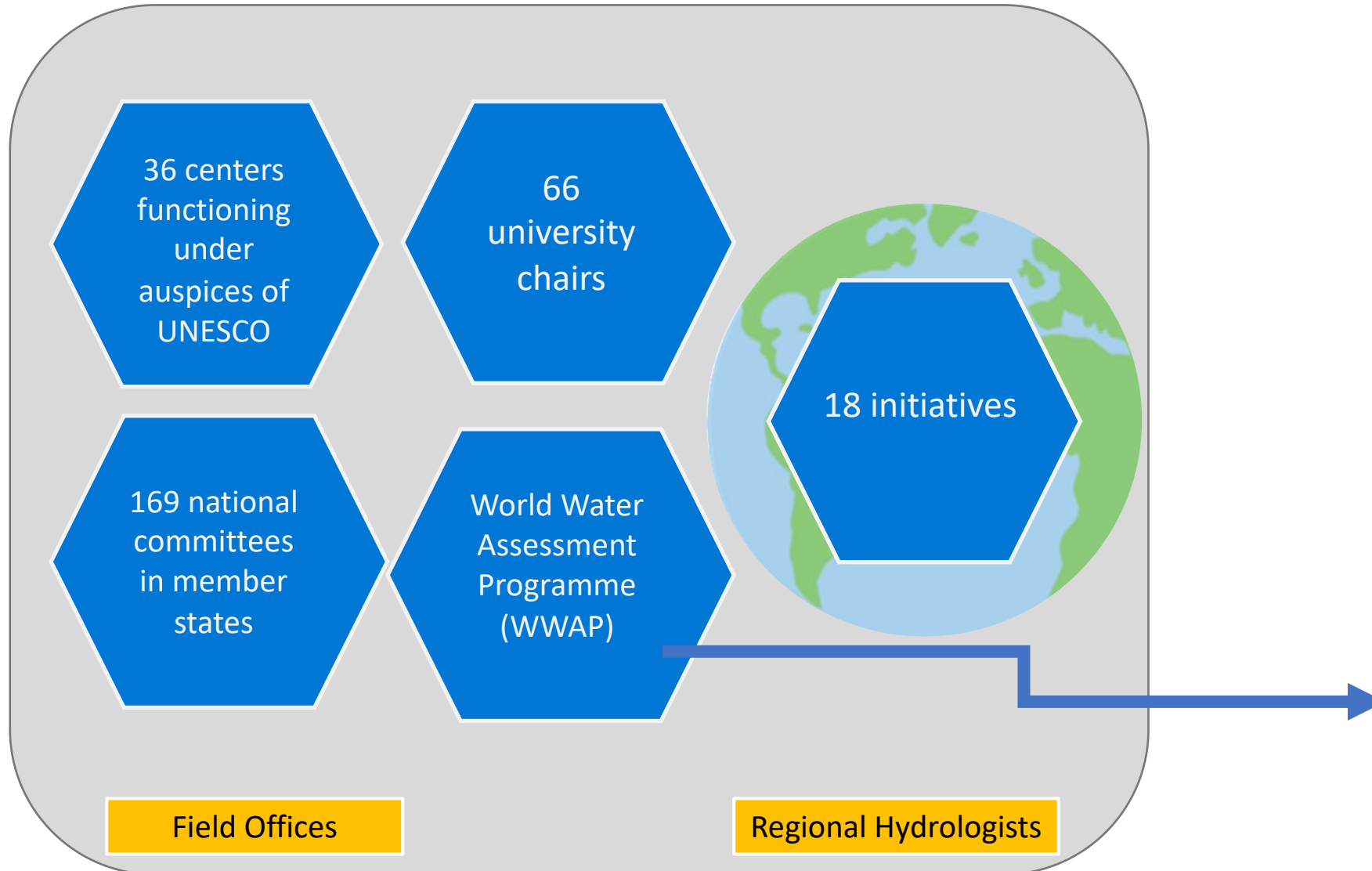


Facilitate education and capacity development in order to enhance water resources management and governance



Capacity enhanced on water-related issues and provides resources and tools at all levels

UNESCO wide water family- hydrological-water sciences for a water secure world



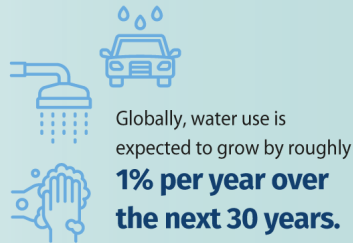
Annual report produced by
World Water Assessment Programme
on different themes

Groundwater: A remedy for water crises?

MAPPING GROUNDWATER



Groundwater
accounts for
99%
of all liquid
freshwater on
Earth.



Globally, water use is
expected to grow by roughly
**1% per year over
the next 30 years.**



**An estimated
4 billion people**
live in areas that suffer
from severe physical
water scarcity for at least
one month per year.



Humans extract about
1,000 km³
of groundwater per year, a
number that appears to have
**been increasing by
about 2% every
year over the past
two decades.**

This corresponds to



25%
of all human
freshwater
withdrawals.



Source: Groundwater: Making the invisible visible, UNESCO on behalf of UN-Water, 2022

Groundwater, which accounts for 99 % of all liquid freshwater on Earth, currently covers a quarter of our needs.

Yet, this natural resource is consequently undervalued, mismanaged and even abused.



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Ecological and Earth Sciences

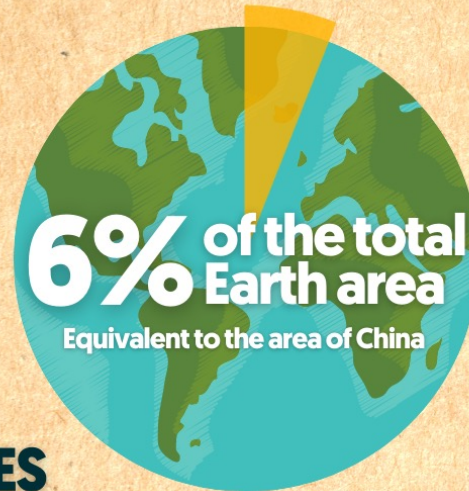


UNESCO unique network of designated sites



1159 WORLD HERITAGE SITES

- 218 natural, 39 mixed
- 42 transboundary



183 GLOBAL GEOPARKS
• 44 countries

727 BIOSPHERE RESERVES

- 131 countries
- 22 transboundary



UNESCO's unique global network of designated sites provide solutions for addressing both climate change and biodiversity crisis simultaneously and for sustainable development in action.



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UNESCO WITHIN THE UN

UN Decade of Ocean Science coordinated by the Intergovernmental Oceanographic Commission of UNESCO

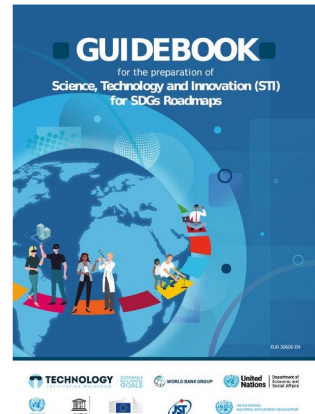


UNESCO in key UN policy forums and mechanisms: IPCC, UNFCCC, IPBES and UNCBD

Other Examples of UN cooperation within MAB, IHP

UNESCO's DRR in the UN system

UNESCO co-leads **two UN-IATT work streams** : STI for SDGs roadmaps and Capacity-building in STI



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Thank you for your attention



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