



UNITED NATIONS
Office for Outer Space Affairs



space4water
P O R T A L

Nina Kickingger
United Nations Office for Outer Space Affairs

[*nina.kickingger@un.org*](mailto:nina.kickingger@un.org)

[*www.space4water.org*](http://www.space4water.org)

[*www.unoosa.org*](http://www.unoosa.org)



Contents

I. The Space4Water Portal & Water Scarcity

- ❑ Vision
- ❑ Background (What, Who & When, Why)
- ❑ Water Scarcity
- ❑ Key actors, features and resources
- ❑ Portal statistics
- ❑ Outlook

VISION

*Enable all stakeholders
in the space & water communities
to access data and knowledge,
to be creative &
to realize their full potential
in contributing to a world
in which the availability and
sustainable management of water and sanitation
for all
has become a reality.*



Background



UNITED NATIONS
Office for Outer Space Affairs



Prince Sultan Bin Abdulaziz
International Prize for Water

Signed agreement on the cooperation



space4water
PORTAL

Project start and launch



New agreement until 2026 – incl. Community building



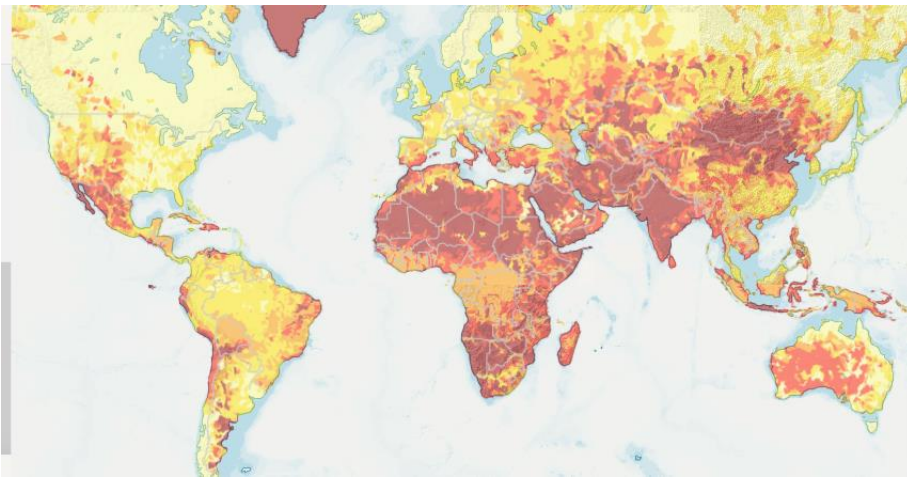
❑ 3 pillars of the Space4Water Project

- ❑ Conference Series
- ❑ Space4Water Portal
- ❑ Community Building

❑ Space4Water Portal

- ❑ A multi-stakeholder platform for interdisciplinary knowledge exchange
- ❑ Making information on space solutions and technologies for water-related topics accessible
- ❑ A capacity-building platform
- ❑ A portal for expert communities, including those from developing countries

Why Space4Water



Over 2 billion people live in countries experiencing high water stress. ([UN, 2018](#))



Actors, Features & Resources



Stakeholders
(61)



Projects & Initiatives
(11)



Software & Tools
(21)



Activities & Opportunities
(25)



Training Material & Webinars
(78)



www.space4water.org



Publications
(72)



Articles & Success Stories
(30)



Meet Professionals
(10)



Meet Young Professionals
(11)



Events
(149)



NEXT GEOSS
Dataset Search



Glossary & Ontologies
(1146)



Local Perspectives & Case Studies
(3)



Partners



61



f in t @ y



About IHE Delft Institute for Water Education

IHE Delft Institute for Water Education is the largest international graduate water education facility in the world and is based in Delft, the Netherlands. Since 1957 the Institute has provided water education and training to 23.000 professionals from over 190 countries, the vast majority from Africa, Asia and Latin America. Also, numerous research and institutional strengthening projects are carried out in partnership to strengthen capacity in the water sector worldwide. Through our overarching work on capacity development, IHE Delft aims to make a tangible contribution to achieving all Sustainable Development Goals in which water is key.

Shared Resources

- Capacity Building and Training Material
- Programming for Geospatial Hydrological Applications
- QGIS et Applications en Hydrologie
- Webinar: Groundwater for Water Security in Africa
- FAO CB4WA: Use of FAO WaPOR Portal
- Water Productivity and Water Accounting using WaPOR
- Introduction to Modflow and Model Use
- Data Sharing for Water Sector Organisations using Spatial Data Infrastructures
- Computational Hydraulics
- Online Course on Remote Sensing for Agricultural Water Management
- Water Quality Assessment
- Water Accounting + Online Training
- Afri Alliance Knowledge Hub
- Data Sharing for Water Sector Organisations using Spatial Data Infrastructures

Vision

IHE Delft Institute for Water Education envisions a world free of poverty and injustice, in which people manage their water and environmental resources sustainably and equitably.

Mission

IHE Delft works in partnership to strengthen capacity in the water sector to achieve global sustainable development.

Ambition

Through our overarching work on capacity development, IHE Delft aims to make a tangible contribution to achieving all Sustainable Development Goals in which water is key.

Education

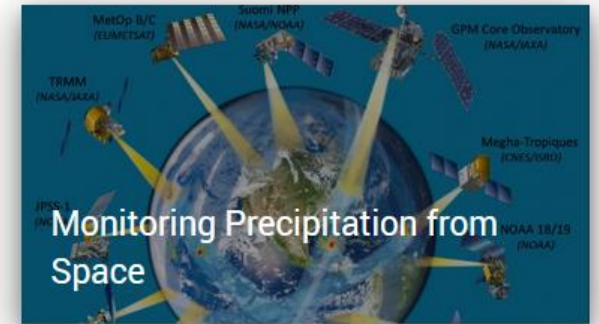
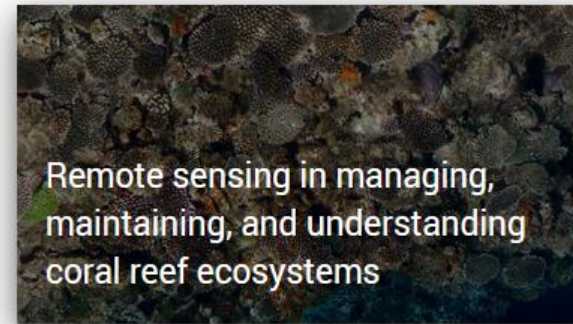
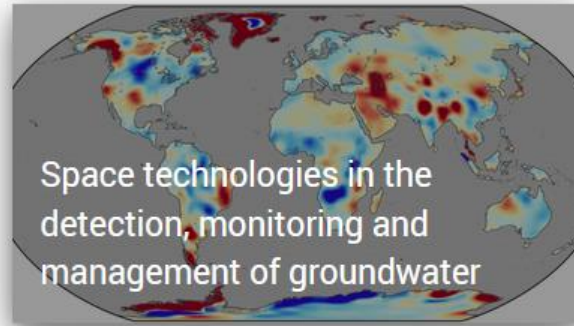
IHE Delft offers a wide range of accredited educational programmes (MSc), tailor-made training & online training courses for engineers, scientist and managers working in the water, environment and infrastructure sectors. IHE Delft is implementing its educational activities with partner institutes.

Research and Innovation

The Institute's research activities focus on and contribute to the knowledge base concerning the water environment, and therefore complement its education and capacity development activities. With

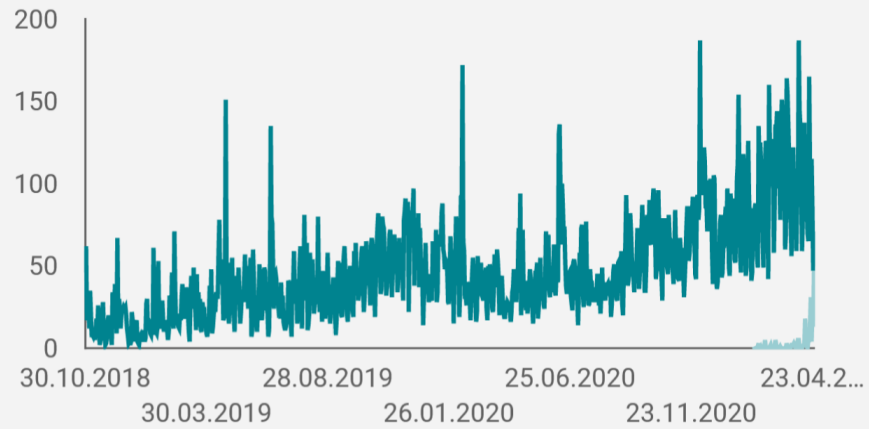


Articles & Success Stories



Statistics

How are site sessions trending?



No. of sessions and users accessing Space4Water grow

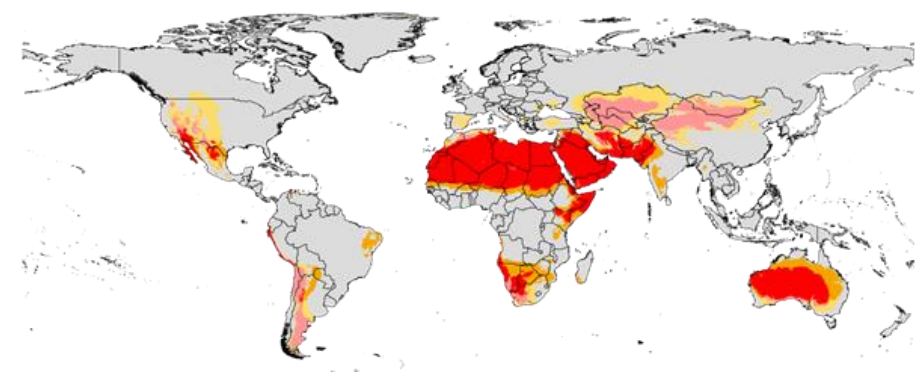
> 30% annually

Access ~ 100 new resources/year

>100 items for 2021 already in April.

| Type of Content / Number of Content published | As at 31 Dec 2018 | As at 31 Dec 2019 | As at 31 Dec 2020 |
|---|-------------------|-------------------|-------------------|
| Stakeholders | 23 | 37 | 48 |
| (Young) Professionals | - | 4 | 11 |
| Articles | 6 | 16 | 22 |
| Interviews | - | 3 | 10 |
| Activities /Opportunities | | 1 | 10 |
| Publications | 10 | 25 | 43 |
| Software | 4 | 15 | 18 |
| Projects | 6 | 6 | 10 |
| Training Material | 6 | 22 | 33 |
| Events | 36 | 79 | 92 |
| TOTAL | 91 | 208 | 297 |

Space4Water Portal Outlook



- ❑ Gaps: Local Perspectives / Case Studies
- ❑ Improved visualisation and filtering for an explorable body of knowledge
 - ❑ e.g. Köppen-Geiger climate map of the world for the regional focus filtering
- ❑ Traversable taxonomy / ontology
- ❑ Linked Data

- ❑ Search for funding sources
- ❑ Member's area for stakeholders and professionals
- ❑ Search for collaborators
- ❑ Vertical integration of solutions to address gaps



Join Space4Water

Register as a stakeholder



Become a featured professional



User Needs



<https://www.menti.com/683kd59kre>



UNITED NATIONS
Office for Outer Space Affairs



Thank you

Nina Kicking
Assoc. Information Systems Officer

nina.kicking@un.org

www.space4water.org

www.unoosa.org

