



UNITED NATIONS  
Office for Outer Space Affairs



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- ❑ Background (Who, What, When, Why)
- ❑ Water as a Food Resource
- ❑ Key actors, features and resources
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# 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  
P O R T A L

Project start and launch



New agreement until 2026 – incl. Community building





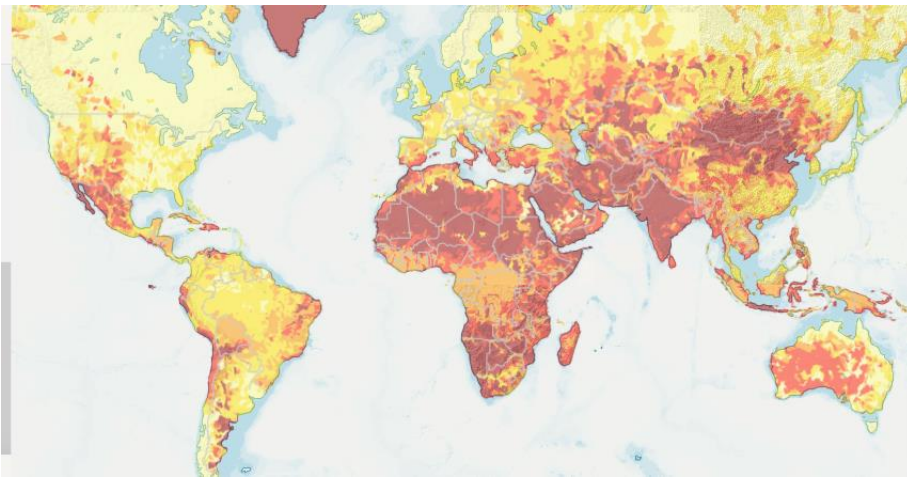
## ❑ 3 pillars of the Space4Water Project

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

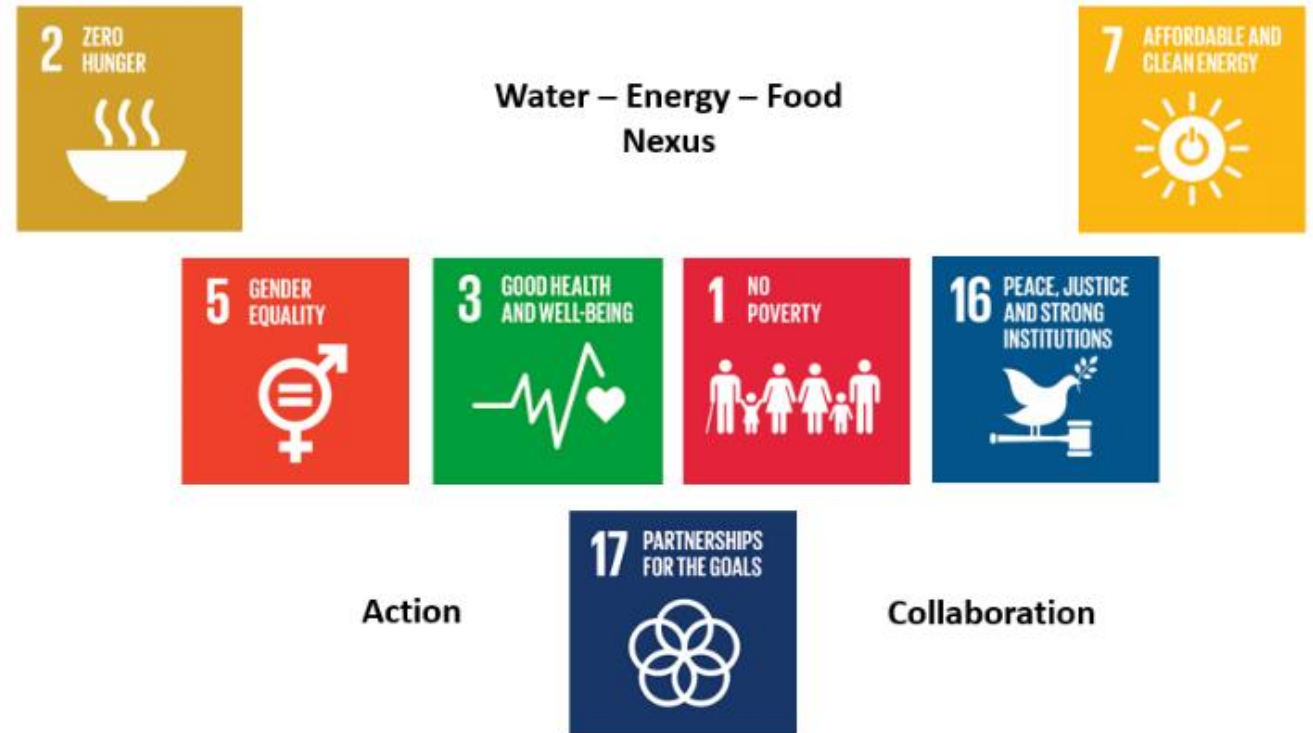
## ❑ Space4Water Portal

- ❑ 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



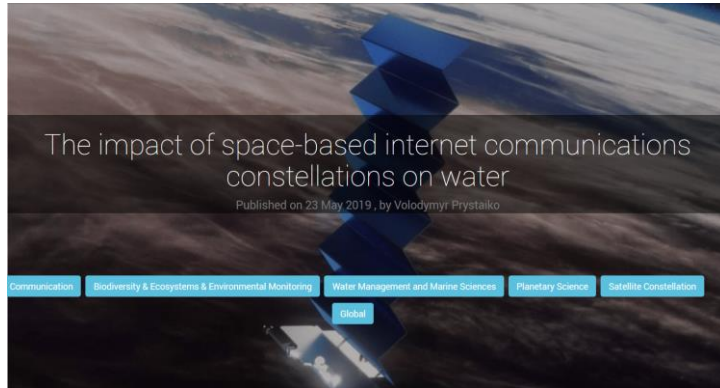
*Over 2 billion people live in countries experiencing high water stress. ([UN, 2018](#))*



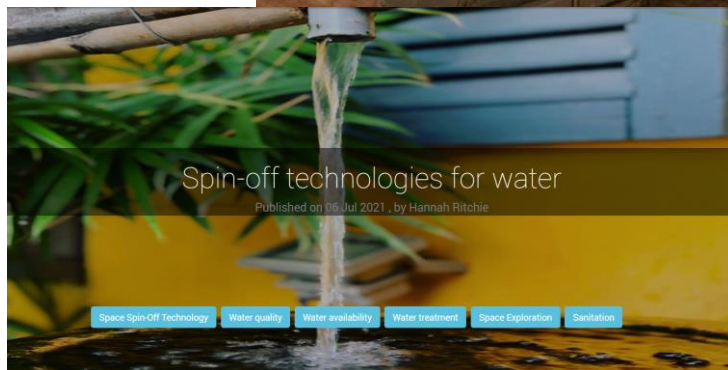
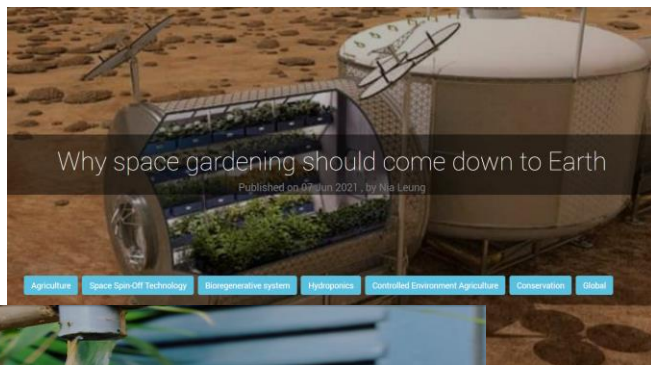
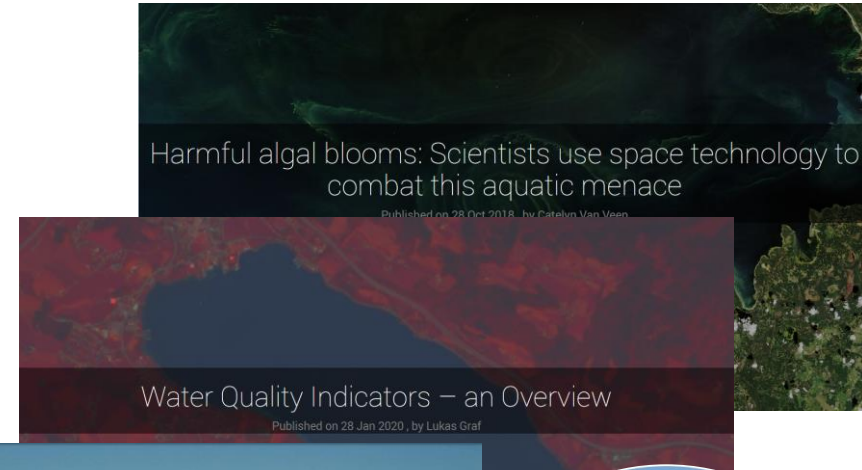




Satellite  
Communications



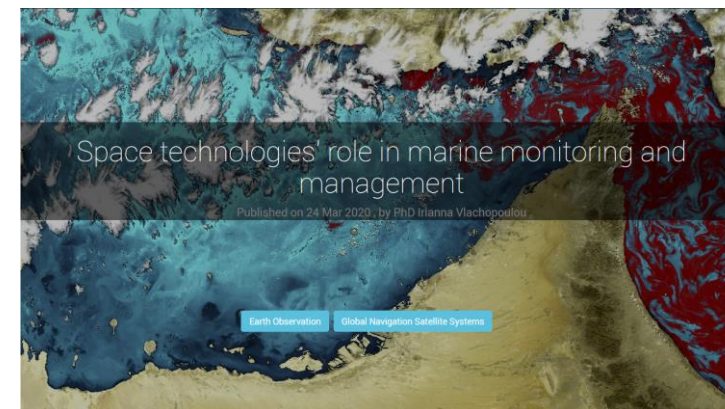
Earth  
Observation



Satellite  
Navigation



Satellite  
AIS



# Actors, Features & Resources



Stakeholders  
(62)



Projects &  
Initiatives  
(13)



Software & Tools  
(21)



Activities &  
Opportunities  
(25)



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



Publications  
(77)



Articles & Success  
Stories  
(35)



Meet  
Professionals  
(12)



Meet Young  
Professionals  
(12)



Training Material &  
Webinars  
(79)



Events  
(155)



NEXT GEOSS  
Dataset Search



Glossary &  
Ontologies  
(1146)



Local Perspectives &  
Case Studies  
(3)



Partners





Stakeholders

67



## 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

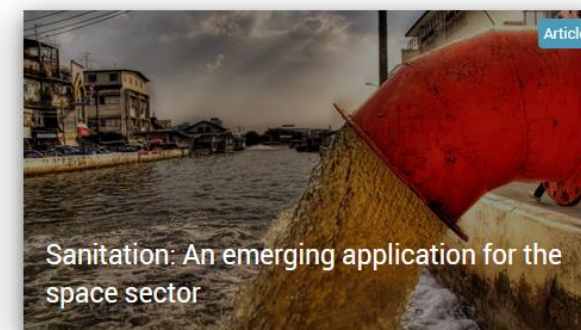
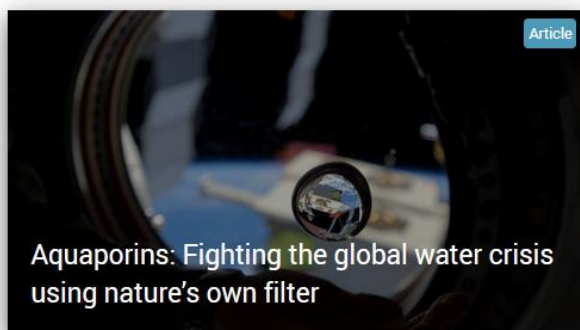
IHE Delft offers a wide range of accredited educational programmes (MSc), tailor-made training & online training courses for engineers, scientist and managers working in the water, environment and infrastructure sectors. IHE Delft is implementing its educational activities with partner institutes.

## 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



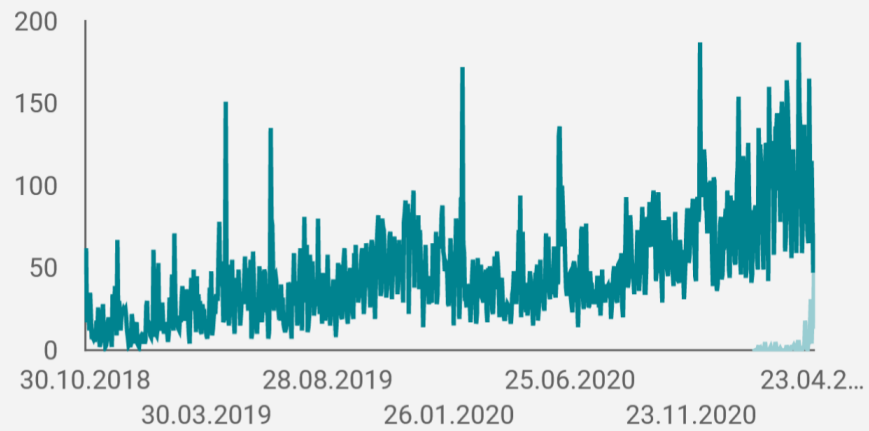
## Articles & Success Stories





# Statistics

How are site sessions trending?



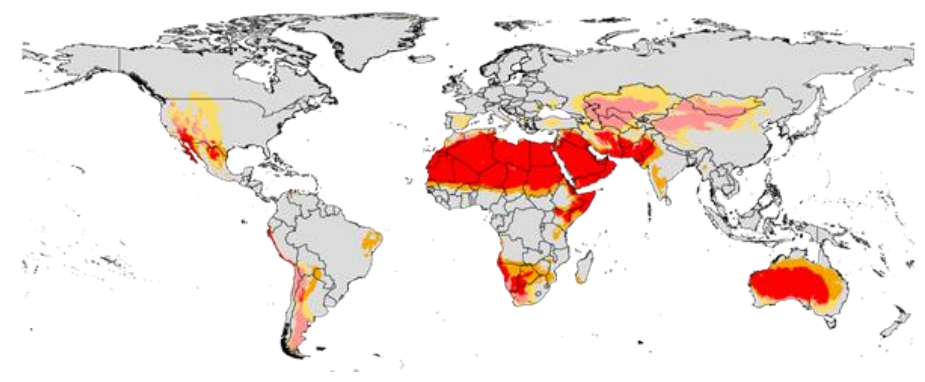
No. of sessions and users accessing  
Space4Water grow

**> 150% in 2021**

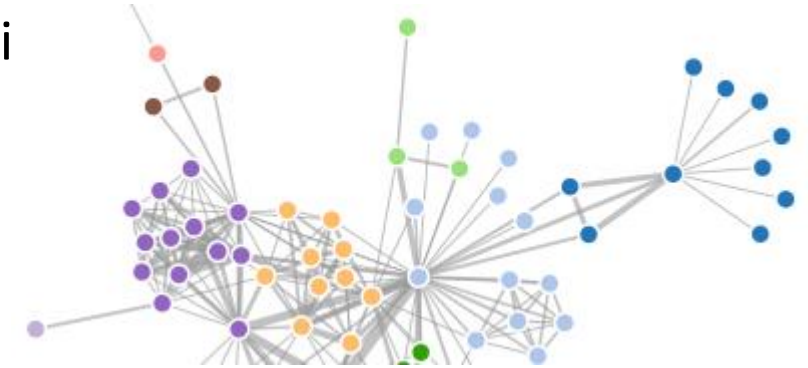
**Access > 100 new  
resources/year**

Type of Content / Number of Content published	As at 31 Dec 2018	As at 31 Dec 2019	As at 31 Dec 2020	As at 31 Dec 2021
Stakeholders	23	37	48	62
(Young) Professionals	-	4	11	24
Articles	6	16	22	35
Interviews	-	3	10	23
Activities /Opportunities		1	10	25
Publications	10	25	43	77
Software	4	15	18	21
Projects	6	6	10	12
Training Material	6	22	33	79
Events	36	79	92	155
TOTAL	91	208	297	513

# Space4Water Portal Outlook



- ❑ French version of the Portal (most important resources)
- ❑ 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 regi
- ❑ 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>





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# Thank you

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