

Flemish Royal Academy of Belgium for Science and the Arts  
(Brussels)

21 October 2022

# UNESCO-IHP Open Science Day

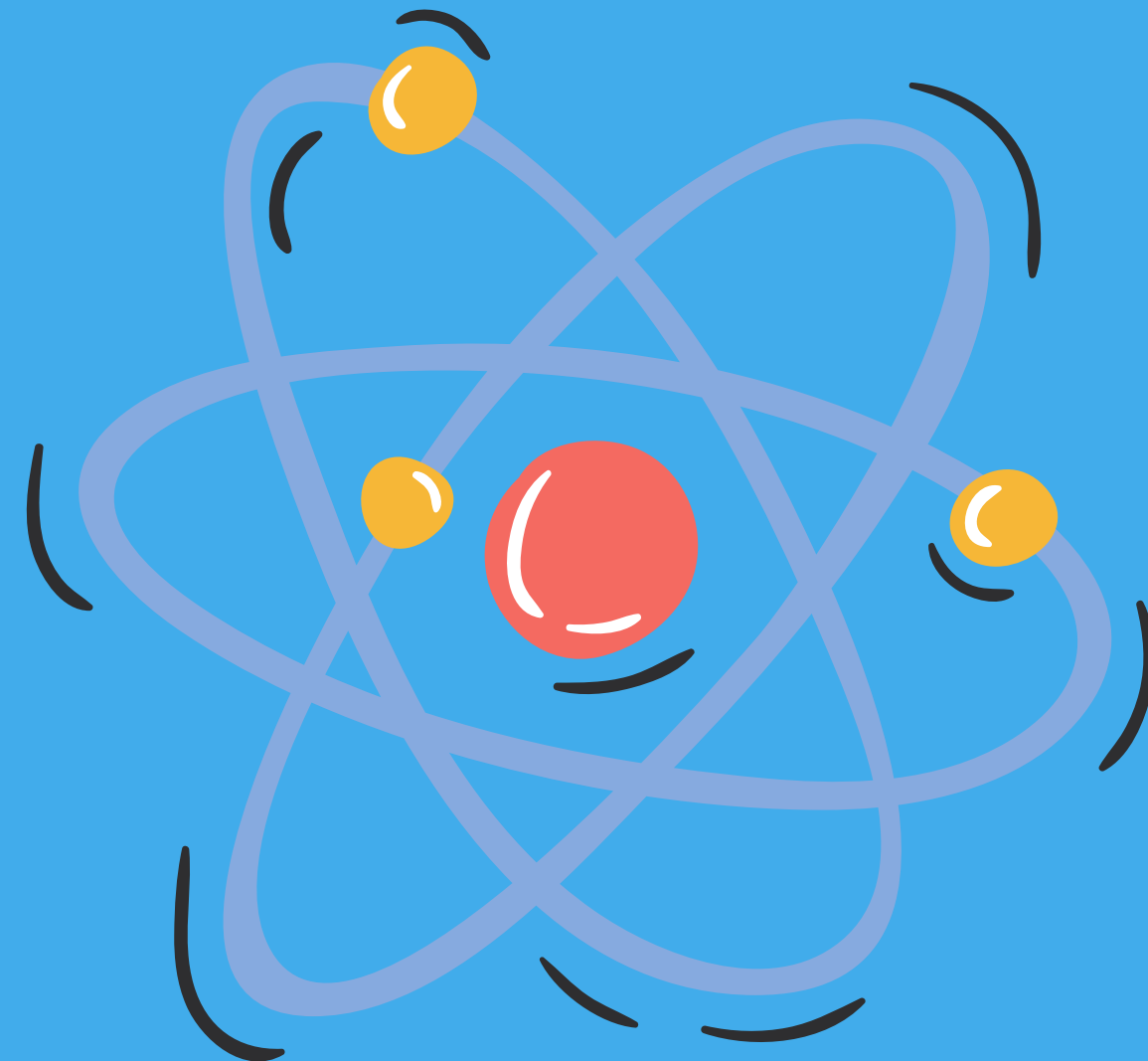
Join us from 9:30 to 17:00  
Either in place or online!

To participate through  
Zoom register at  
<https://bit.ly/3MFfjeB>



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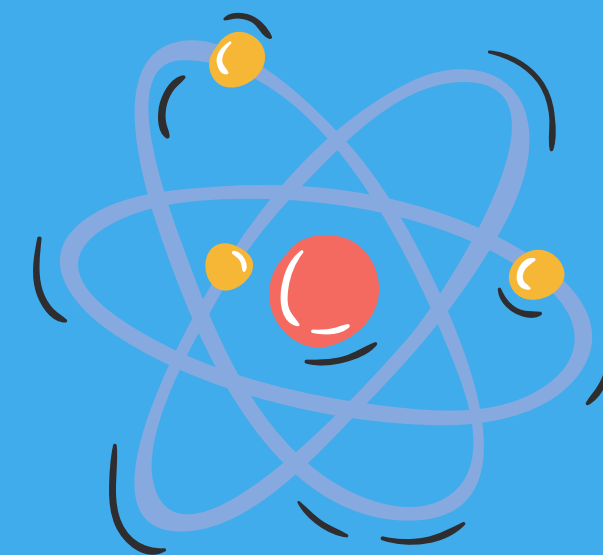
Intergovernmental  
Hydrological Programme



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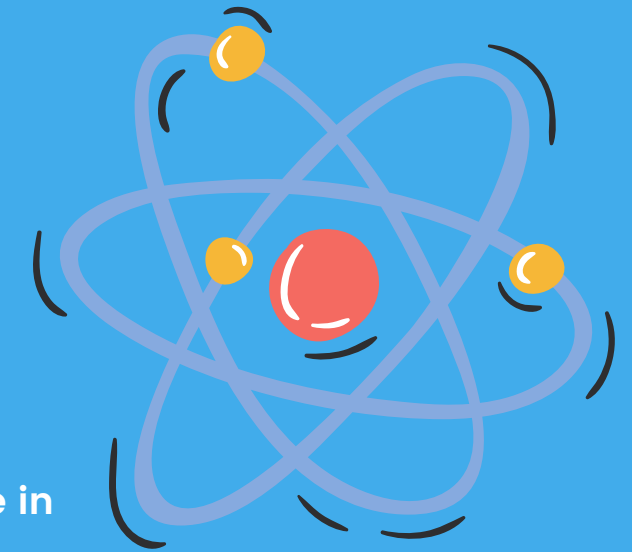


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|-------|--|
| 9:30  | Registration   |
| 10:00 | Welcoming (Ann van Griensven and Gert Verreet)   |
| 10:20 | Water Secure World in a Changing Environment – UNESCO IHPs work on Citizen and Open Science (Koen Verbist, UNESCO Paris)                       |
| 10:40 | Be-Resilient: Citizen Science applications in UNESCOs Biosphere Reserves, South Africa (Prudentia Zikalala, UNESCO Johannesburg)               |
| 11:00 | Levering new technologies for community-based hydrological monitoring. Experiences from Peru and Nepal (Wouter Buytaert, Imperial College, UK) |
| 11:20 | Platform for Sustainable Urban Development (Nahad Helmi, VUB)  |
| 11:40 | Exploring the potential of low-cost rain sensors and citizen observations in an urban context (Boud Verbeiren, HYDRIA/VUB)                     |
| 12:00 | Earth observation satellite data in support of hydrological research: an introduction to the Terrascope platform (Lisa Landuyt, VITO)          |

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12:20

Lunch break

13:20

Innovative real-time sensing of flow dynamics in groundwater and sediments for drought resilience in the Romboutswerve (Stephen Andersen, iFLUX)

13:40

A long term, low-cost, water-quality monitoring system Green Infrastructure Mapping and Monitoring SaaS (Quentin Quevy, VUB)

14:00

Application of Open data science and Cloud computing in water management (Ivan Rocabado, HAEDS)

14:20

Building a river digital twin by combining the strenghts of IoT and modelling (Sacha Gobeyn, FLUVES)

14:40

Integration of local and indigenous knowledge for climate-resilient water resources management: lessons learned from the Bolivian Altiplano (Magali Garcia, Universidad Mayor de San Andrés)

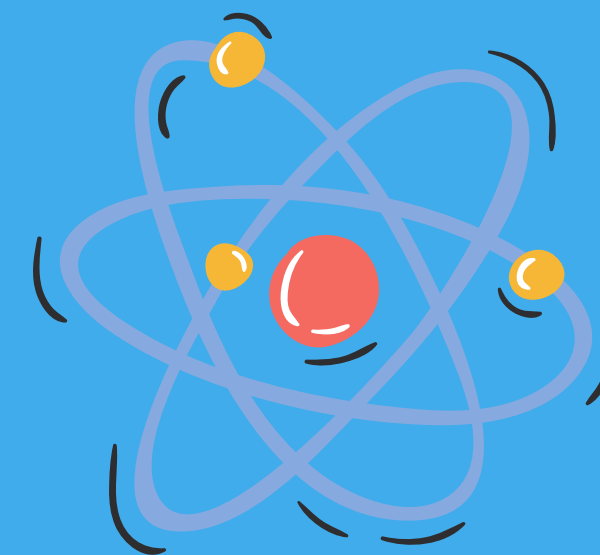
15:00

Importance and Challenges of protecting les Tourbières in collaboration with Belgium (Jean-Jacques Bambuta, coordinateur de l'université de Gestion des Tourbières (UTG) au ministère de l'Environnement de Congo)

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# UNESCO-IHP Open Science Day



15:20

Coffee

16:00

UNESCO-IHP Belgian committee meeting (Chairs: Ann van Griensven and Marnik Vanclooster)

16:00

UNESCO Chair of Open Water Science and Education (Ann van Griensven, VUB),  
Platforms of the Open Water Network (James Chawanda, VUB)

16:30

Belgian contributions to UNESCO-IHP IX programme "Science for a Water Secure World in a Changing  
Environmen": Wrap-up session (Gert Verreet, EWI)



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