

World Water Day 2022

Realising the benefits of Scotland's waters

Hybrid event 22nd March 2022: Our Dynamic earth (Edinburgh) & Live Stream



What have Scotland's waters ever done for us? ...what can we do for Scotland's waters?

This event will bring together Scotland's water sector and water users in their various forms to understand the benefits of Scotland's water as a resource and the key issues in its management. In aid of Scotland's vision to be the world's first Hydro Nation, and meeting commitments following COP26, it will ask: what can we as individuals and communities of practice do to protect this precious resource, and how should Scotland's water community effectively communicate and engage with wider society? These questions will be answered through a series of thematic sessions that will explore this topic through unique insights from policy, research, practise, and personal experience.

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1. General information

In person at Our Dynamic Earth

Registration on the day

Registration will be open from 9:30h with the event commencing in the Biosphere suite at 10:00h. At the registration desk we will ask you your name and organisation, please have this email to hand should we need to verify your registration. Feel free to enjoy the refreshments provided during registration.

Dietary Requirements for catering

The venue will cater for all dietary requirements on the day as standard but it would be helpful if you could communicate any specific requests/allergies at the earliest opportunity to Jonathan.fletcher@hutton.ac.uk.

COVID-19 guidance

Please can all attendees:

1. Use a face covering when at the event unless eating, drinking, or presenting (unless you are exempt)
2. Voluntarily take a lateral flow COVID-19 test within 24h before the event.
3. Use the hand sanitation stations at the event and generally observe good hand hygiene throughout the day

Getting here

Please see [here](#) for further information on how to get to Our Dynamic Earth and parking/charge points.

Contact

Should you have any questions about the event please direct them to the following email:

Jonathan.Fletcher@hutton.ac.uk

Submission of questions to speakers

Following each presentation there will be an opportunity for the audience to ask any points of clarification but we also ask in-person participants to submit questions to the Vevox App during the event using your mobile device. Please see 'Interactivity' section below.

Venue Wi-fi

Network: DELEGATES | Password: D3L3GATE

Online at home

Live stream

World water day will be broadcast via live stream for online attendees. The live stream can be found here:

www.hnic.scot/world-water-day/2022

Interactivity

Questions and comments can be provided through the online Vevox App accessed here:

<https://vevox.app/#/m/112003976>. Note the session ID: 112-003-976. Submissions through this software will be monitored and moderated throughout the day providing a means for the online audience to engage with the in-person event.

2. Programme

Welcome to world Water Day 2022

09:30 **Registration & Refreshments**

10:00 **Welcome**

Professor Bob Ferrier, Director of Scotland's Centre of Expertise for Waters, & the Hydro Nation International Centre, James Hutton Institute.

10:05 **Opening Address**

Barry Greig, Head of Water Industry Policy, Water Policy & DECC Operations, Scottish Government

Mairi McAllan MSP, Minister for Environment and Land Reform

1. Thematic Presentations & Roundtable from Scotland's Water Community

Chaired by Dr. Rowan Ellis, Senior Policy Officer, Hydro Nation International Centre, James Hutton Institute

10:20h **Health & Wellbeing of People & The Water Environment in Scotland's communities**

Improving Wellbeing, Improving Urban Waters

Karen Dee, Wastewater service strategy general manager, Scottish Water

There is a strong connection between wellbeing and blue green spaces. What are the steps that we are taking to improve community access through creating blue green spaces in urban environments, and improving our rivers to make it easier to create that connection and encourage people to enjoy these spaces and the resultant benefits?

Transforming Scotland's Waters

Roy Richardson, River Basin Management Planning Manager, Scottish Environment Protection Agency

People have valued their local water environment more than ever during the pandemic. Scotland's latest River Basin Management Plan builds on progress and prioritises action to

improve urban and rural waters, whilst addressing the challenges of our changing climate. Systemic progress requires partnerships which is why across the next period, we'll work closely with Scottish Government, Scottish councils, Scottish Water, environment and community groups and others, as together we take the next steps to deliver an even better water environment for our nation.

10:50

The Hidden Value of Water in Scotland

Delivering a sustainable water service in Scotland

Dr Mark Williams, Sustainability and Climate Change Manager, Scottish Water

Water and wastewater services can be resource intense – in the materials to build and maintain the infrastructure, the energy to treat and supply water and wastewater services, and in the use of water resources. But there is also significant value in the recovery and use of energy and resources and management of our land and water catchments. To achieve net zero emissions we must minimise resource intensity across the managed water cycle and maximise the sustainable value of our assets, services and landholdings.

A low carbon, circular economy water sector – value for all

Amanda Lake, Water Process Lead (Europe), Jacobs

Transitioning to a circular economy offers us an exciting opportunity to realise, retain and recover value from water. We benefit every day from the water cycle – what we enjoy from the tap through the wellbeing benefits of a walk on the canal to the renewable energy, nutrients and more we recover from our recycled water. A Circular Economy water sector would see us do more and support our transition to net zero, providing best value for us all with wider benefits for society and the biosphere. Amanda will showcase hidden benefits and key challenges as we navigate the urban water cycle, summarising recent water industry work on circular economy and resource recovery and highlighting why thinking differently about water, and thinking beyond water is key to safeguarding our precious resource and providing a climate safe future for current and future generations.

11:20

Working With Water & Communities For Better Water Infrastructure

Blue-green solutions - Why engagement with communities matters and some key principles for carrying it out

Emma Ash, Senior Policy Officer (water), Citizens Advice Scotland

The benefits of engaging communities in the development of blue-green projects will be underlined and why engagement should aim to deliver wider societal benefits from blue-green solutions. We will highlight some of the challenges when using water sector language

with members of the public, and the need for simplification. Finally, we will hear from a community who will describe their local blue-green project and how they feel about being involved in its design and delivery.

Scotland's canals in the twenty-first century: tackling the climate crisis and health inequalities through innovation

Catherine Topley, CEO, Scottish Canals

Scotland is leading the way in managing water innovatively to address the climate crisis and improve people's lives – but we need to do more. The regeneration of North Glasgow shows that canals can be used to mitigate flood risk and tackle health inequalities through effective partnership working, and long-term visioning to that puts people and planet at the heart of regeneration. The question now is: how do we make sure the rest of Scotland learn from this success and export this knowledge internationally to not only improve the lives of millions of people, but contribute to widespread use of canals as a nature-based solution to climate change?

12:10h

Roundtable Discussion With Speakers

This discussion will centre on the question of how Scotland's water community can better inform and engage with wider society. The aim, through a facilitated discussion and questions from the audience, is to consider principles for enhancing communication with the public about Scotland's water management while stimulating positive engagement for sustaining our water resources.

Facilitated by Dr. Rowan Ellis, Senior Policy Officer, Hydro Nation International Centre, James Hutton Institute

Online questions moderated by Hydro Nation Scholars

13:00

Lunchbreak (Networking & Exhibitions)

In-person attendees at our Dynamic Earth

'Groundwater – Home and Abroad' Exhibition

British Geological Survey

The Hydro Nation Chair Research & Innovation Programme- Bringing Scotland's Water Sector Together Towards Net Zero & Beyond

Hydro Nation Chair Team

Forth Environmental Resilience Array (Forth-ERA)

University of Stirling

Water Words: Communicating the water cycle

SEFARI Gateway's Responsive Opportunity Scheme

Online attendees

World Water Day 2022 virtual exhibitions

These virtual tours highlight how Scotland, as an aspiring Hydro Nation, is working across the water sector to respond to the challenges such as climate change. Please explore this rich resource [here](#). Many of tours link with the Hydro Nation Virtual Water Pavilion launched at COP26.

2. Youth Roundtable & Scotland the Hydro Nation at home and internationally

Chaired by Professor Lorna Dawson, Principal Scientist & SEFARI Gateway Knowledge Exchange Lead for Environment, James Hutton Institute

14:00h Roundtable: How to engage youth in our shared water challenges?

This roundtable will include several budding advocates and early career professionals in the water sector. It will explore perspectives about communicating the current and future water challenges and seek to establish a starting point for intergenerational dialog about how we value Scotland's waters.

Session co-facilitators:

Julze Alejandro, Hydro Nation scholar and CREW policy fellow, health promotion specialist, Glasgow Caledonian University

Rita Noelle Moussa, Hydro Nation Scholar and PhD researcher at the University of Aberdeen

Video introduction provided by Laura Young, [Zero Waste Advocate](#)

Panellists:

Marissa Wong, Biologist & engagement/education, Clyde River Foundation

Logan Stewart, Specialist Graduate in Corporate Affairs, Scottish Water

Gabrielle Guevara, Development worker & environmental planner, current MSc student in Sustainable Cities, Kings College London

Andrew Baillie, Process Engineer, Jacobs

14:50h Re-Discovering Groundwater: A Collaborative Journey Towards A Sustainable Water Future in Malawi (video presentation)

Introduce by Muthi Nhlema (BASEflow), on behalf of the Malawi-Scotland Regulatory Partnership collaborators

15:00h Water Wall in Motion (see the full water wall [here](#))

Presented by Rachel Helliwell, CREW Manager, Scotland's Centre of Expertise for Waters. Awards for video competition to be announced during refreshment break.

15:10h Refreshments & Networking

15:40h Hydro Nation Chair –Bringing Scotland’s Water Sector Together Towards Net Zero & Beyond

Professor Andrew Tyler, Hydro Nation Chair, University of Stirling

16:00-16:10h Summary & Close of Main World Water Day 2022 Event

Jon Rathjen, Deputy Director, Water Policy & Directorate of Energy and Climate Change Operations, Scottish Government

Evening Event: Scotland's Centre of Expertise for Waters Annual Lecture 2022

****Separate registration is required for this event and can be found [here](#)****

Water Science Supporting Policy- Reflections and Future Challenges

Professor Alan Jenkins, Deputy Director and Science Director, UK Centre for Ecology & Hydrology

16:30h Reception with Refreshments & Networking

18:00h CREW Lecture by Professor Alan Jenkins (Live stream will re-commence)

Chaired by Professor Bob Ferrier, Director of Scotland's Centre of Expertise for Waters, & the Hydro Nation International Centre, James Hutton Institute.

19:00h Event Close



3. Contributing organisations (click the logos for more info.)



Scottish Water
Trusted to serve Scotland

UNIVERSITY of
STIRLING



Net Zero - Scottish Water Sector



Jacobs



Scottish Canals



British Geological Survey

SEFARI



CREW CENTRE OF EXPERTISE FOR WATERS

CLYDE RIVER FOUNDATION



Scottish Government gov.scot

Hydro Nation Scholars Programme



The James Hutton Institute