

HNSP Review: 2017



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Training Programme

We provide specialised training programmes to help our scholars deliver objective & robust research to support the development & implementation of water policy in Scotland. This year's programme of events included:

- Visiting Scottish Parliament
- Introductions to WiCS, SHN, SEPA and Scottish Water's remits and operations

Conferences

Hydro Nation Scholars benefit from attending a wide range of national and international conferences, which this year included:

British Ecological Society; 23rd International Sustainable Development Research Society; SETAC Europe, 27th Annual Meeting; International Conference on Amphibious Architecture, Design and Engineering; Geomicrobiology Network Research Meeting; 18th European Meeting on Environmental Chemistry...

Alumni

Congratulations to our first Hydro Nation Scholar; Christopher Schultz who has successfully defended his VIVA on 29/06/2017. Thesis entitled: The Value Base of Water Governance in the Upper Paraguay River Basin, Mato Grosso, Brazil.



Welcome to the 2017 cohort

Welcome to Sughayshinie Samba Sibam (Shugi) and Lucille Groult who have recently joined the Programme. Shugi and Lucille presented their research plans at a Hydro Nation welcome event in November.



HNSP Welcome Event 2017

The HNSP 2017 Welcome Event was held on 15th November 2017, the event involves the scholars, supervisors and stakeholders; SEPA, Scottish Water, WICS, SNH and of course the funders – The Scottish Government.



New Publications by Hydro Nation Scholars

- Using Spatial-Stream-Network Models and Long Term Data to Understand and Predict Dynamics of Faecal Contamination in a Mixed Land-Use Catchment – Aaron Neill et al.
- Hydraulic Modelling of the Spatial and Temporal Variability in Atlantic Salmon Parr Habitat Availability in an Upland Stream - Bas Buddendorf et al
- Spatio-Temporal Effects of River Regulation on Habitat Quality for Atlantic Salmon Fry - Bas Buddendorf et al
- Metrics to Assess How Longitudinal Channel Network Connectivity and In-Stream Atlantic Salmon Habitats are Impacted by Hydropower Regulation - Bas Buddendorf et al
- Managing Multiple Catchment Demands for Sustainable Water Use and Ecosystem Service Provision – Kathleen Stosch et al
- Micro-and Nanoplastic Pollution of Freshwater and Wastewater Treatment Systems – Maricela Blair et al
- Taking Stock of Community-Based Flood Risk Management in Malawi: Different Stakeholders, Different Perspectives – Robert Trogrlic et al
- Science and Technology Networks: A Helping Hand to Boost Implementation of the Sendai Framework for Disaster Risk Reduction 2015-2016 – Robert Trogrlic et al

2018 Programme

There are 9 new projects open for Scholar applications:

- **The Role of Scotland's Inland Waters in Promoting the Blue-Health of Rural Communities**
- **Determining the Effect of Urbanisation on the Prevalence of Antimicrobial Resistance in Aquatic Environments**
- **The Scottish Water Landscape and its Resilience to Change: An Assessment to Support Future Policy**
- **The Multiple Benefits of Low-Cost, Decentralized Solutions for Water Treatment and Supply in Rural India**
- **Nutrient and Precious Metal Recovery from Wastewater Systems**
- **Optimising Microbial Communities for Removal of Priority Chemicals from Water**
- **Using Ragworms and Chitosan to Bioremediate Aquaculture and Freshwater Treatment Waste for the Recovery of Clean Water and Biomass Fishfeed and Fishmeal**
- **Development of Inexpensive, Fast and Manifold Assays for the Quantification of Micro- Pollutants**
- **Water Purification in Rural India Using Sunlight and Low-Cost Materials**

Click [here](#) for more details