

# 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 15<sup>th</sup> 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