

Temporary Rivers & Streams Meeting

Tuesday 23 June 2020

0930 **Make yourself a cuppa**

0950 Welcome to the meeting

CHAIRS: JUDY ENGLAND & RACHEL STUBBINGTON

Session 1: Ecohydrology: models to mesocosms

1000 **Michael Eastman** (Centre for Ecology & Hydrology)

Statistical modelling of chalk stream intermittence

1015 **George Bunting** (Nottingham Trent University)

Aquatic and terrestrial invertebrate community responses to drying in chalk streams

1030 **Chloe Hayes** (Nottingham Trent University)

Plant community responses to varying human pressures in chalk winterbournes

1045 **Catie Gutmann-Roberts** (Bournemouth University)

How fish adapt to drying rivers: recolonising intermittent tributaries with barriers to migration

1100 **Tory Milner** (University of Huddersfield)

Impacts of a supra-seasonal drought on benthic invertebrate communities in bedrock-alluvial headwaters

Poster **Cath Sefton** (Centre for Ecology & Hydrology) et al.

Monitoring of temporary rivers in the UK using the CrowdWater app

1115 **Chat (convener Cath Sefton)**

1145 **Break**

Session 2: biotic indices in temporary streams

1200 **Richard Chadd** (Environment Agency)

An overview of indices to characterize communities in temporary streams.

1215 **Gemma Burgazzi** (University of Parma)

Beyond borders: DELHI and MIS index performance in Italian braided rivers

1230 **Chris Westwood** (independent)

The Plant Flow Index: a tool to characterize aquatic-terrestrial responses to intermittence

1245 **Marek Polášek** (Masaryk University, Czech Republic)

Standard indices identify community responses to pollution in perennial and temporary streams

1300 **Rachel Stubbington** (Nottingham Trent University)

Disentangling responses to intermittence and impacts: a European-scale analysis

1315 **Alex Laini** (University of Parma)

biomonitor: adaptable software to calculate existing and emerging indices

Poster **Maria Soria et al.** Metrics to detect anthropogenic impacts in intermittent rivers: towards better bioassessment

1330 **Chat (convener Richard Chadd)**

1400 **Break**

Session 3: wider perspectives

- 1420** **Chris Mainstone** (Natural England)
Towards better representation of temporary streams within our biodiversity and water protection frameworks
- 1450** **Martin Wilkes** (Coventry University)
Increasing flow intermittence has deterministic effects on stream communities, especially in temperate systems
- 1505** **Tim Sykes** (Environment Agency)
Engaging with people to promote understanding of drying in chalkstreams
- 1520** **Judy England** (Environment Agency)
The 'SMIRES' handbook: an online resource to guide temporary stream management
- Poster** **Kieran Gething** (Nottingham Trent University) et al.
Riparian habitats influence terrestrial beetle assemblages in dry streams
- 1535** **Chat (conveners Judy England)**
- 1600** **Close**

Organizer contact details

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