

IMMERSE

Transnational Estuary Exchange Lab

March 22-23, 2023 - DoubleTree by Hilton Hull

Wednesday March 22

8:30 - 9:00 **Arrival & Registration**

9:00 - 10:30 **Plenary session I: Welcome & Setting the Scene**

With keynote presentations;

- Sediment-bound pollutants in the North Sea Region - posing a threat to estuarine functions (**Prof. Jeanette Rotchell, University of Hull**)
- Preventing Plastics pollution (**Kim Goonesekera, UK Environment Agency**)

10:30 - 11:00 **Morning break**

11:00 - 13:00 **Breakout Session I**

Participants can choose the parallel session they want to attend;



1. Mapping and managing sediment-bound pollutants in estuaries and coastal waters
2. Building on the overview of microplastic occurrences in NSR estuaries

13:00 - 14:00 **Lunch**

14:00 - 15:30 **Breakout Session II**

Participants can choose the parallel session they want to attend;



1. Understanding the interactions between biota and pollutants
2. Designing and testing solutions tackling microplastics from source to estuary

15:30 - 16:00 **Afternoon break**

16:00 - 17:30 **Plenary session II**

Round-up and conclusions from the breakout sessions

Introduction to the site visit - Managed realignment sites - acting as sinks for emerging pollutants? (**Andrew Gee, UK Environment Agency**)

18:00 - 19:00 **Optional visits**

University of Hull's Total Environment Simulator &

Tour of the Frontage Scheme - flood defences on the banks of the Humber

19:00 - 22:00 **Networking Dinner** (hosted by IMMERSE)

Thursday March 23

8:00 - 14:00 **Site Visit to Skeffling & Paull Holme**

Strays managed realignment sites

Lunch is included

Interreg
North Sea Region
IMMERSE

European Regional Development Fund



EUROPEAN UNION

IMMERSE

Transnational Estuary Exchange Lab

March 22-23, 2023 - DoubleTree by Hilton Hull

The **breakout sessions** will cover the topics of the day in more depth. Presentations will present new knowledge and designs for solutions preventing or mitigating pressures. Followed by interactive discussions to promote the exchange of knowledge and experiences between participants.

Participants can choose the parallel session they want to attend for each session.

Breakout Session I

1. Mapping and managing sediment-bound pollutants in estuaries and coastal waters

- State of knowledge and mapping of sediment-bound pollutants in the Elbe estuary (**Victoria Ortiz, German Federal Waterways Engineering and Research Institute & Pascal Richtarski, Helmholtz-Zentrum Hereon**)
- Legacy wastes in the coastal zone: environmental risks and management futures (**Prof. William Mayes, University of Hull**)
- Monitoring and managing sediment-bound pollutants – a practical case for the Scheldt estuary (**Jürgen Suffis, Flemish Department of Mobility and Public Works**)

2. Building on the overview of microplastic occurrences in NSR estuaries

- State of knowledge of the effects and distribution of microplastics in estuarine environments (**Julie Hope, St. Andrews University**)
- Microplastic analysis and distribution in the Scheldt estuary (**Mathilde Falcou-Préfol, University of Antwerpen**)
- Ecotoxicology of microplastics (**TBC**)

Breakout Session II

1. Understanding the interactions between biota and pollutants

- Use of biological agents to filter microplastics (**Felicitas ten Brink, University of Hull**)
- Growing native oyster in the Tees estuary (**Ben Lamb & Henry Short, Tees Rivers Trust**)

2. Designing and testing solutions tackling microplastics from source to estuary

- Innovative raingardens to filter microplastics from stormwater (**Prof. Karin Karlfeldt Fedje, Chalmers University of Technology & Renova AB**)
- Plastic types and how to manage them (**Clare Collins, University of Hull**)

Interreg
North Sea Region
IMMERSE

European Regional Development Fund



EUROPEAN UNION