

# From source to sea: how to tackle pollution and waste transfers?

## Session Internationale

11h15 – 13h15



# From source to sea: how to tackle pollution and waste transfers?

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1

The EU Regulatory Context  
& International Plastic Treaty Negotiations

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2

Microplastics Are Pervasive!  
*Research perspective*

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3

Water quality hot topics in Europe  
*Insights from the European Water Association*

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4

The experience of Brazil  
Integrated and Sustainable Sanitation: Social Technologies and Local Actions in an Isolated Island Village

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# Part 1

## Focus on Europe Relevant Water Legislations

Guischet Arthur – European Water Association (EWA)

# The European Water Association

## General Introduction

Independent non-governmental and non-profit organisation dealing with the management and improvement of the water environment.

Members from nearly all European Countries : National Members (ASTE for France), Corporate Members and Research Members.

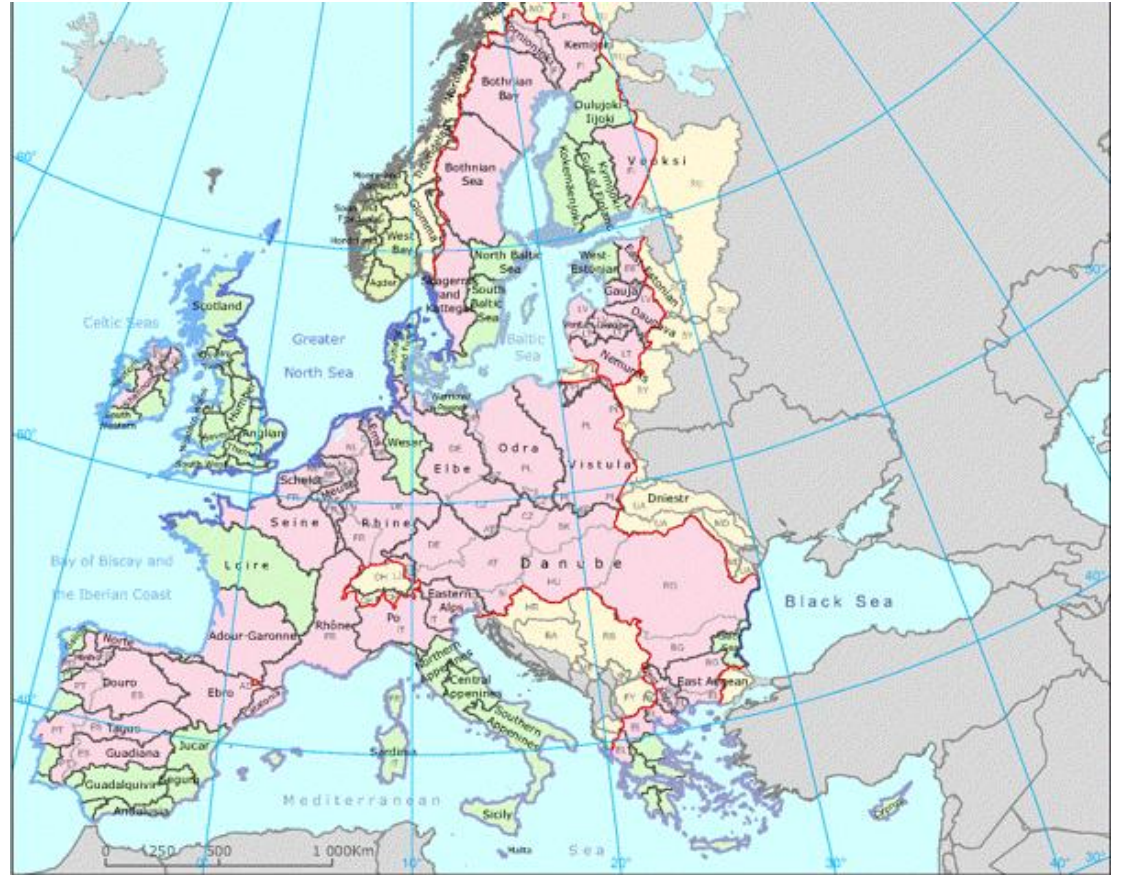
Provide a forum for the discussion of key technical and policy issues in Europe.

Promote the advancement and adoption of integrated water management

# From source to sea: how to tackle pollution and waste transfers?

Focus on Europe and Relevant Water Legislations

**Need for cross border cooperation**  
**Each country has its own situation**



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## Water Resilience Strategy

### **3 objectives of the Water Resilience Strategy:**

- **Restoring and protecting the water cycle**
- **Building a water-smart economy**
- **Securing clean and affordable water for all**

### **5 actions areas:**

- **Governance and implementation to boost change**
- **Finance, investments and infrastructure to achieve a stable supply**
- **Digitalisation and Artificial Intelligence to accelerate and simplify sound water management**
- **Innovation, water industry and skills to strengthen competitiveness**
- **Security and innovation to boost collective resilience**

### **For EWA:**

- **Water must be a top priority for the European Union**
- **Need for a better and more integrated water management approach to protect human health and the environment, meet the requirements of the public and ensure economic development and competitiveness in Europe**
- **EU Water Academy on life long learning, capacity building but also pilot testing site for new technologies**

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Urban Wastewater Treatment Directive Recast: Quaternary treatment requirements and Extended Producer Responsibility (EPR)

## Picture Quaternary treatment

**EPR only for medicinal products for human use and cosmetic products,.**

**Implementation is currently complicated on EPR.**

**Current law case on that topic:**

- **Poland vs. EU Parliament and Council of the European Union**
- **European Federation of Pharmaceutical Industries and Associations – Cosmetics Europe – various members of Medicines for Europe – all vs EU Commission**

**Under the Water Resilience Strategy Report from the EU Parliament:**

**Approved amendment to redo the Impact Assessment on the EPR.**

# Part 1

## Focus on Europe Waste Directives

**History & challenges, recent developments, future perspectives**

Alexandre Camilo – Université Le Mans & Rostock



# Part 1

## European Position International Plastic Treaty Negotiations

Hugo Lequertier – French Ministry of Foreign Affairs



# From source to sea: how to tackle pollution and waste transfers?

## Part 1 Q&A



## Part 2

# Microplastics Are Pervasive!

Gael LE ROUX, Research Director at CNRS



## Part 3

# Europe hot topics for practitioners

Guischet Arthur – European Water Association (EWA)

# From source to sea: how to tackle pollution and waste transfers?

Project Stormland in Luxembourg and CopenPay in Copenhagen

visit copenhagen

## Stormland: Grass

FACULTY OF SCIENCE, TECHNOLOGY AND MY MEDICINE

LSC 360

ENR Luxembourg National Research Fund

UNIVERSITÉ DU LUXEMBOURG

My Trip

FILT

EVERYTHING IS NUMBERED IN CLOCKWISE MANNER

Inlet 2 (TDX)

Lab group (LG)

Tridimix (TDX)

CW-E3

CW-E2

CW-E1

Inlet 1 (OZ)

Gardi zoo (OZ)

Inlet 3 (LG)

Final effluent (FE) from pond

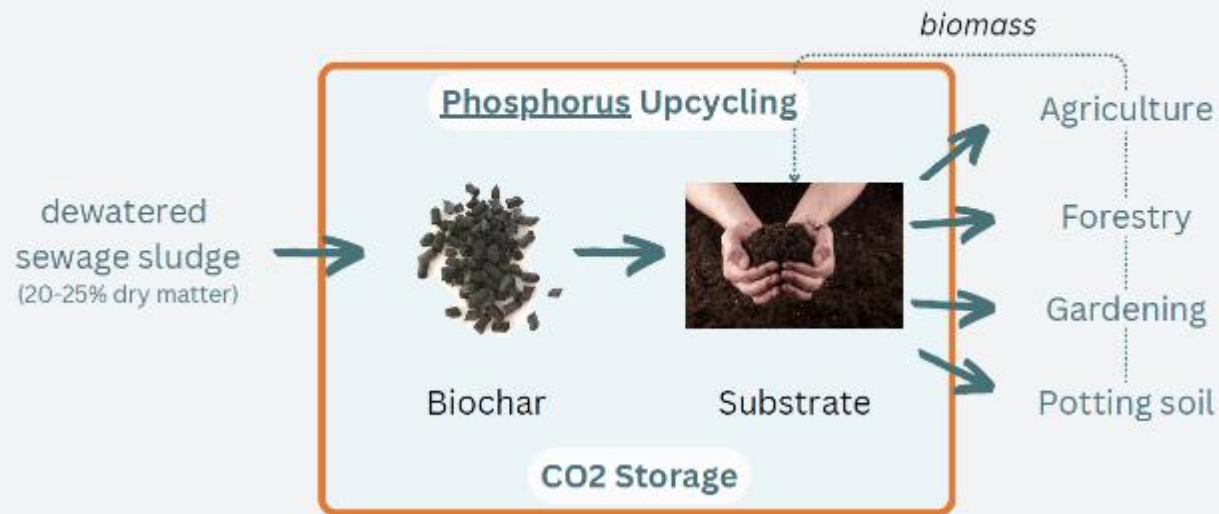
- 10 years old: stormwater from the roof and streets

CopenPay: <https://www.visitcopenhagen.com/copenpay>

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Sewage sludge pyrolysis before agricultural use

L-RECYCLING SOIL SYSTEM



## Part 4

# The experience of Brazil

### Integrated and Sustainable Sanitation: Social Technologies and Local Actions in an Isolated Island Village

Guischet Arthur – European Water Association (EWA)



astee  
120 ANS

Suivez-nous sur  

*#Astee2025*

Merci  
Pour votre attention