



EU GREEN DEAL

**MAKE IT
REAL**

PARTNER EVENT
#EU GREEN WEEK
30 MAY – 5 JUNE 2022



**Energy and materials
recovery from Water:
principles and
application within the
IWA cluster**

3 JUNE 2022

**NEXT
GEN
EU**



UNIVERSITÀ
POLITECNICA
DELLE MARCHE

ULTIMATE



ZerO²PM



PROMISCES



Why RR from Water cluster?

- ✓ The ambition of governments to transition to the circular economy has been firmly anchored in various policies and guidelines
- ✓ The Circular Economy is a key strategic pillar of the IWA
- ✓ Plenty of Resources can be recovered from water
 - Profitable: financially, environmental impact*
- ✓ The future of the water sector: climate change, resource scarcity, diversification activities
 - Mitigating risks, taking chances*
- ✓ Inspiration
 - The water sector as an innovating and trend setting sector*



UNIVERSITÀ
POLITECNICA
DELLE MARCHE



European
Commission



Why RR from Water cluster?

- ✓ IWA-connection

The theme of RR from Water transcends various SG's →

The cluster as connector between the different sectors SGs

- ✓ External connection

Cluster as a global networker, connector, binder, lubricant



UNIVERSITÀ
POLITECNICA
DELLE MARCHE



European
Commission

ULTIMATE

ZeroOPM

PROMISCES

Overall goals and objectives

Goals

- ✓ Promoting economically and environmentally attractive concepts of resource recovery
- ✓ Bring together leading-edge science & technology, water companies and other economic sectors relevant to establishing new (value) chains
- ✓ To enable a bigger impact from the work of relevant SGs on resource recovery

Objectives

- ✓ Network on innovations in RR
- ✓ Network and cooperate with relevant SG's
- ✓ Bring in non-technological and non-science aspects
- ✓ Bring in the theme of resource recovery to company boardrooms
- ✓ Strengthen links with complementary organizations, e.g. Professional Institutions
- ✓ Identify good examples of RR, and create widespread awareness in the water sector
- ✓ Inspire and educate the next generation of water professionals
- ✓ Outline possible routes for RR
- ✓ Address technical and financial constraints

Global connector - what works and what does not work?



WHY REINVENT THE
WHEEL WHEN YOU
DON'T HAVE TO?



UNIVERSITÀ
POLITECNICA
DELLE MARCHE



European
Commission

ULTIMATE

ZeroPM

PROMISCES

Activities of the IWA Cluster for Resource Recovery from Water

✓ Education



<https://www.iwapublishing.com/books/9781789060317/resource-recovery-water-principles-and-application>



UNIVERSITÀ
POLITECNICA
DELLE MARCHE



ULTIMATE

ZeroPM

PROMISCES

Activities of the IWA Cluster for Resource Recovery from Water

✓ Connect



IWA Circular Economy: Tapping the Power of Wastewater

Free

Target Audience

Circular Economy: Tapping the Power of Wastewater

IWA WEBINAR 23 February 2021 | 10:00 GMT
iwa.iwaworld.org/webinar

Virtual Event: 4th IWA Resource Recovery Conference 2021

Opening Schedule



UNIVERSITÀ
POLITECNICA
DELLE MARCHE



European
Commission



Activities of the IWA Cluster for Resource Recovery from Water

- ✓ celebrate success stories

Bi-annual Industry Best Practice Award – IWA Resource Recovery Cluster

Selection criteria:

- Innovative character of the best practice in resource recovery;
- Replication potential;
- Positive environmental impact;
- Active cooperation with all stakeholders within the value chain of the recovered resource;
- Positive business case.



UNIVERSITÀ
POLITECNICA
DELLE MARCHE

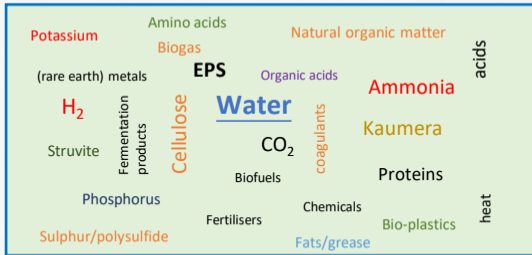


ULTIMATE

ZeroPM



What are the main resources we can valorize from the water cycle?



UNIVERSITÀ
POLITECNICA
DELLE MARCHE



European
Commission

ULTIMATE

ZeroOPM

PROMISCES

IWA cluster: What's next?



Let's Connect!

Ilje Pikaar: i.pikaar@uq.uq.edu.au

Olaf van der Kolk: vanderkolk@aquaminerals.com

Francesco Fatone: f.fatone@staff.univpm.it



UNIVERSITÀ
POLITECNICA
DELLE MARCHE



ULTIMATE

ZeroPM

PROMISCES