



COHESION
ITALY 21-27

ALTO ADIGE SÜDTIROL



Co-funded by
the European Union



AUTONOME
PROVINZ
BOZEN
SÜDTIROL



PROVINCIA
AUTONOMA
DI BOLZANO
ALTO ADIGE

PROVINCIA AUTONOMA DE BULSAN
SÜDTIROL

FROM SLUDGE TO RESOURCES: TECHNOLOGIES AND STRATEGIES FOR THE FUTURE

01.12.2025 | 13:30 – 17:30

NOI TECHPARK BOZEN, SEMINAR 1

Sewage and industrial sludge treatment is at a turning point. New EU requirements and mounting pressure to advance the circular economy are driving innovative approaches and rapid technological progress – opening up practical pathways from disposal to valorisation.

This event centres on the ERDF project “Recupero di nutrienti dal processo HTC” (recovery of nutrients from the HTC process), carried out jointly by the biotechnology company HBI and the Free University of Bozen-Bolzano. We will discuss how hydrothermal carbonisation (HTC) serves as an innovative technical solution for nutrient recovery and examine the potential to extract critical raw materials (CRMs) from ash.



TECHPARK SÜDTIROL / ALTO ADIGE

PROGRAMME

- 13:30 **Registration**
- 14:00 **Official welcome and opening**
NOI Techpark
Deputy Minister Hon. Vannia Gava, Ministry of Environment and Energy Security
- 14:15 **EU Directive 2024/3019 on Municipal and Industrial Wastewater: Obligations, Deadlines and Opportunities.**
Elena Mauro, Utilitalia
- 14:35 **Civil and Industrial Sewage Sludge: Treatment Methods and Strategic Guidelines**
Daniele Renzi, Bioreal Srl
- 14:55 **HTC and Gasification: an Integrated Solution for Sewage Sludge Recovery**
Matteo Pecchi, HBI
- 15:15 **The Potential for Recovering Critical Raw Materials from Gasification Ash: the ERDF Project “RFD”**
Francesco Patuzzi und Alessandro Cascioli, Free University of Bozen-Bolzano
- 15:35 **Recovery of Critical Raw Materials in Local Supply Chains: Challenge or Utopia?**
Alessandro Spagni, ENEA – Circular Economy Department
- 15:55 **Closing and Optimising the Sewage Sludge Cycle: the Operator's Point of View**
Marco Palmitano, eco center
- 16:15 **Recovery of Critical Raw Materials for Fertiliser Production: Industry Outlook**
TBC
- 16:35 **Conclusion**
- 16:45 **Aperitif and Networking**

The event is free to attend and will mainly be held in Italian, with simultaneous German interpretation provided.

Attendance at the event is eligible for continuing education credits from the Chamber of Engineers (2 CFP).

REGISTRATION

Register [here](#) until 28.11.2025

CONTACT

Elisa Bonadio

+39 +39 0471 066 692

e.bonadio@noi.bz.it

This event is funded by the European Fund of Regional Development EFRE in the project “Nutrient recovery from the HTC process”.



**Co-funded by
the European Union**



Acronym IMPACT
Funding EFRE 2021- 2027 - Projektcode EFRE1048
CUP J57H23000640009

Partner

