



Renewable Energies for Water Treatment and REuse in Mining Industries

The overall aim of REMIND is to **develop an innovative framework of interplay between Renewable Energy Sources (RES) and innovative Water Treatment Technologies** in the logic of a sustainable growth for mining industries.

The novel paradigms explored are expected to **drastically reduce the environmental impact due to extensive water and energy consumption, and to release of untreated wastewater during the production cycle of copper and gold.**

The bi-directional knowledge transfer activities implemented in REMIND aim to:

- i) **implement a rational use of water resources** in the logic of circular economy;
- ii) **promote a carbon-free technological approach** (water-energy nexus) for reducing conventional energy resources requirements,
- iii) **mitigate health environmental risk** in two demonstration sites
- iv) **exploit the intersectorial cooperation between academia and industry** by setting best practices for knowledge transfer in analogous contexts.

REMIND brings together 8 leading High Education Institutions and Large Companies from 4 Countries (**Italy, Spain, Chile and Ecuador**), and implements a multisectorial and transdisciplinary network that generates 64 secondments and 73 Knowledge Transfer Activities.



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PROJECT DURATION

48 months
(from 01/11/2018 to 31/10/2022
extended to 30/04/2024)

WEBSITE E SOCIAL MEDIA

www.remindproject.eu

PARTNERS

- Università della Calabria (Coordinator - IT)
- Politecnico di Torino (DIATI - IT)
- Universidad de Sevilla (ES)
- RINA-C – Rina Consulting S.p.A. (IT) (technical partner)
- ABB Chile (RCH) (technical partner)
- Cámara de Comercio Italiana de Chile A.G. (RCH) (technical partner)
- Escuela Superior Politécnica de Chimborazo (ECU)
- UNIVERSIDAD ADOLFO IBÁÑEZ (RCH)

FUNDING INSTRUMENT

H2020-MSCA-RISE-2018

BUDGET

Total funding: **1.329.400,00 €** (377.200,00 € allocated to DIATI)

POLITO and DIATI's role:

Politecnico di Torino – DIATI is a member of the Consortium, under the scientific responsibility of

Prof. Mariachiara Zanetti