Horizon Europe -Marie Skłodowska-Curie Actions
Doctoral Networks (HORIZON – MSCA – 2021 – DN)

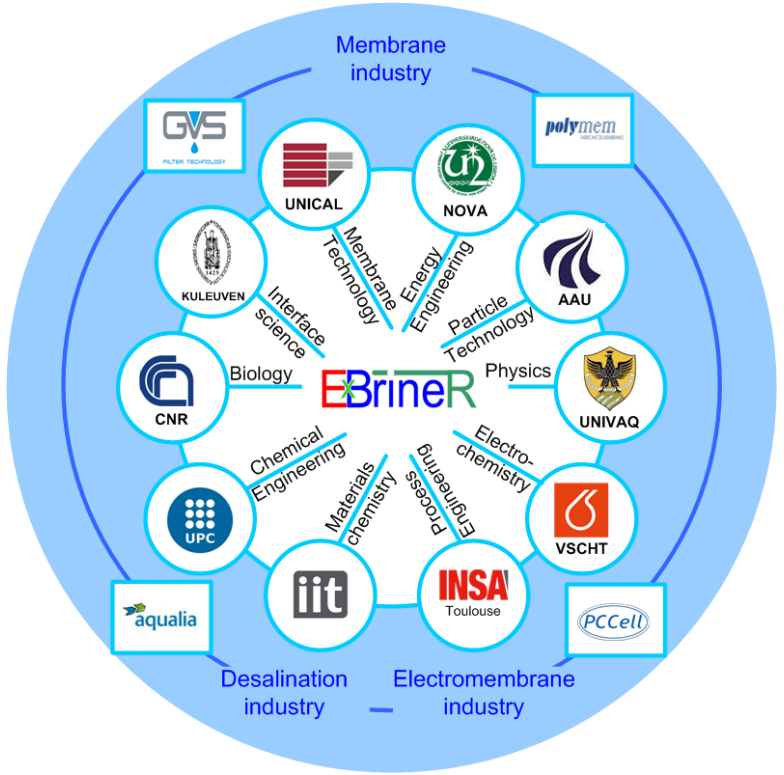
Next-generation membrane technologies for sustainable exploitation of seawater brine resources: transition towards a circular blue industry

EXBRINER project is built on three main pillars:

1) Design next-generation functional membrane materials for hypersaline brine treatment;
2) Implement membrane-based crystallization techniques for recovery of minerals;
3) Develop innovative electrochemical membrane processes for brine valorization and energy generation.

The **ambition** is:

- to provide high level training to a talented cohort of 10 skilled Early Stage Researchers (ESRs), who will work in a multi-disciplinary and cross-sectorial environment with the aim to develop next-generation membrane technologies for sustainable exploitation of desalination brine resources, thus accelerating the transition towards a Circular Blue Industry;
- to establish multi-lateral knowledge exchanges between participants belonging to different sectors and with complementary expertise, as to enable a synergic cross-fertilisation of inter-sectoral competences.



Call: HORIZON-MSCA-2021-DN-01
Type of Action: HORIZON TMA MSCA Doctoral Networks
Acronym: EXBRINER
Duration: 48 months
Start Date: 01-10-2022
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Contact: Prof. Efrem Curcio (e.curcio@unical.it)

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