

# SEA4 VALUE

Mining value from brines

## NOVEL TECHNOLOGIES IN SEAWATER DESALINATION PLANTS TO EXTRACT MINERALS AND METALS FROM SEAWATER BRINES

Sea4value will design and implement technologies for recovering minerals and metals from seawater desalination brines. The aim is to make desalination plants the third source of valuable raw materials in the European Union. More specifically, a multiminerall and modular process will be developed, which will be the first industrially viable brine mining method.

### APPLYING A CIRCULAR SUPPLY MODEL

Seawater brines as a resource of raw materials recovery



#### PARTNERS



# 10

EXTRACTED MINERALS / METALS \*

12 24.305 Mg Magnesium	21 44.956 Sc Scandium	23 50.942 V Vanadium	31 69.723 Ga Gallium	5 10.81 B Boron
49 114.82 In Indium	3 6.941 Li Lithium	42 95.94 Mo Molybdenum	37 85.468 Rb Rubidium	20 40.08 Ca Calcium

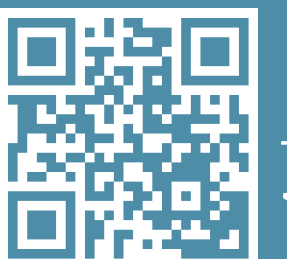
\* Color scale based on the availability of critical raw materials listed by the European Commission.

START DATE: 01 june 2020

DURATION: 48 month

ESTIMATED PROJECT COSTS: € 6 995 736.25

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