Balearic Islands

SOCLIMPACT

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Estimations of increased costs of keeping ports' operability under different scenarios of SLR caused by climate change until 2100

MEAN SEA LEVEL RISE **SLR**

	2046-2065	2081-2100
Low emissions scenario RCP2.6	12 *cm* €/year 0.993 *mill.*	25 *cm* 2.068 *mill.*
High emissions scenario RCP8.5	33 *cm* €/year 2.730 *mill.*	66 *cm* 5.549 *mill.*

year (2046-2065 → 2081-2100)

The costs have been estimated with reference to1meter; this is, the investment needed to increase the infrastructures' height by 1 meter. There is not necessarily a strict correspondence between the SLR and the required elevation of port infrastructures, which also depend on the coastal hydrodynamic and the shape of dikes of each port. By experts' recommendation, we have assumed that 1 m increase in port height is required to cope with the SLR under RCP 8.5 scenario of emissions. Extrapolation for other RCP scenarios is then conducted based on proportionality.