Aims to identify and assess the most-cost effective infrastructure that is able to serve the West Mediterranean area, considering the time and spatial aspects of possible developments over time on the energy sector and industrial park of Spain, Portugal and Morocco. Special attention will be given to the costs and benefits of constructing a CCS network as part of an international cooperation agreement.
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- design of the inter-country trades and interfaces among the three models (regarding electricity and CO2 trade, among other) with the aim to link the three national models,
- improvement of the existing information on CCS in the Portuguese and Spanish TIMES models and its implementation in the Moroccan model, considering the modeling of CO2 capture in power and industrial sectors, transport pipelines and storage facilities and including possible spatial disaggregating of national CO2 sources, possibly using the MIP (Mixed Integer Programming);
- Identification of the cost-effective CCS potential and the most cost effective source-sink combination between the three countries in several scenario