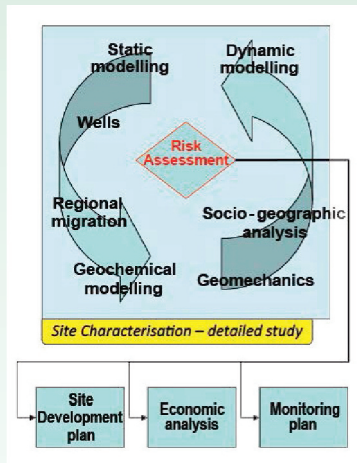


## Sitechar Workflow

A methodology for site characterization, validated through insight from research on the SiteChar sites portfolio, to guide the implementation of the EC CO<sub>2</sub> Storage Directive and OSPAR regulation in Member States.



Coordinated and led by IFP Energies nouvelles, SiteChar partners are from research, industry, and the consultancy sector from ten EU countries: AGH, BGS, ECN, ENEL, GEUS, GFZ, IMPERIAL, OGS, PGNiG, SINTEF-PR, Statoil, TNO, UfU, UniRoma1-CERI, Vattenfall and the Scottish Government. SiteChar is also supported by Gassnova and Veolia Environnement.

In 2013 SiteChar will organise workshops and webinars dedicated to regulators, industry and researchers to share its results on workflow, dry-run permits and public engagement activities. Contact us to register for our invitation list: [florence.delprat-jannaud@ifpen.fr](mailto:florence.delprat-jannaud@ifpen.fr)



Coordination:

IFPEN

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SiteChar

A EU research project  
dedicated to the  
characterisation of  
European CO<sub>2</sub>  
storage sites



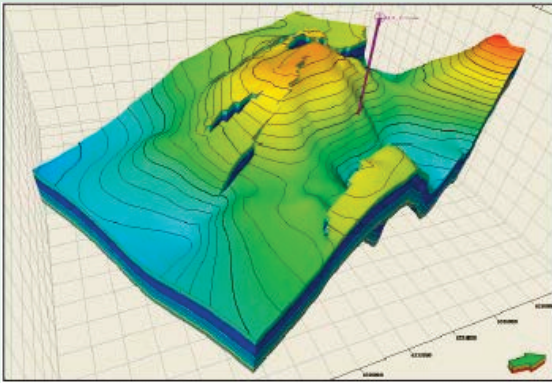
[www.sitechar-co2.eu](http://www.sitechar-co2.eu)



[www.sitechar-co2.eu](http://www.sitechar-co2.eu)



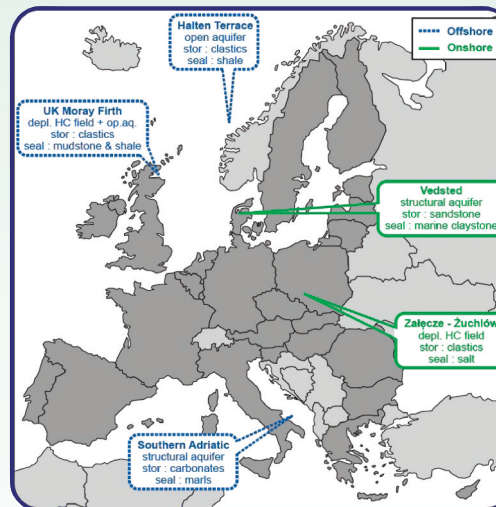
## How SiteChar is contributing to effective CO<sub>2</sub> storage implementation in Europe



Making informed decisions when selecting a geological site for CO<sub>2</sub> storage is the fundamental requirement for efficient storage operations and for the short and long-term security of the site.

SiteChar research is contributing knowledge and recommendations to regulators and operators for storage site development. From theory to practice, SiteChar is developing a methodology for the preparation of storage permit applications accounting for all the technical and economic data, as well as the social dimension.

Five sites are being studied, both onshore and offshore, within saline aquifers and depleted hydrocarbon reservoirs that are representative of geological settings and located across Europe. Two sites are developing exemplar storage permits and three sites are focusing on overcoming barriers related to site characterisation.



SiteChar is investigating the relationship between a producing hydrocarbon field and a host saline aquifer, the behaviour of reservoir rock and caprock and the design of a monitoring program for assuring the best risk management. It is also performing simulation of CO<sub>2</sub> and fluid flow along faults and of the geomechanical and dynamic behaviour of fractured formations.

SiteChar tests a format in which operators, authorities and local public could enhance their cooperation on CCS projects. Techniques for social site characterisation and public participation are proposed and tested. Social site characterisation runs as a parallel activity to technical site characterisation.

SiteChar will demonstrate the level of geological characterisation and the assessment of long-term storage complex behaviour in accordance with the regulatory requirements of the European Directive on the geological storage of CO<sub>2</sub>.

