



Interreg



UNION
EUROPÉENNE

MARITTIMO-IT FR-MARITIME

Fonds européen de développement régional

 **SEDI
TERRA**



« Guidelines for a sustainable treatment of Marittimo Area dredging sediments »

« Lignes directrices pour le traitement durable des sédiments de dragage de l'Aire Marittimo »

« Linee Guida per il trattamento sostenibile dei sedimenti di dragaggio dell'area Marittimo »

2017 – 2020

Partnership :



PROVINCIA DI PISA



REGIONE AUTONOMA DE SARDIGNA
REGIONE AUTONOMA DELLA SARDEGNA



Scientific and Institutional Partners

Project Coordinator

Technical Coordinator

Global Budget : ~1,8 millions €
Duration : 36 months (2017 – 2020)

SEDNET

The main objectives of SEDITERRA Project :

- Extend to the Marittimo Territory (Italy/France) the reflexions :
 - on the terrestrial management of contaminated dredged sediments (France)
 - on the marine management of dredged sediments (assessment of marine ecotoxicity) (Italy)
- Test and execute treatment solutions on dredged sediments
- Promote the production of eco-materials with dredged sediment and thus to follow the objectives defined in the Europe 2020 strategy
- Extend a common capitalization process with the creation of an Italian version of the French capitalization website "Cap-sediments" (www.cap-sediments.fr)
- Harmonize the management of dredged sediments on a cross-border scale
- Create a public research and development center in Toulon (French Mediterranean Coast)
- Develop the guidelines for a sustainable treatment of Marittimo Area dredging sediments

The key actions of the project will be :

- A comparative regulatory and governance review associated in both countries
- Review of the initial state of each partner country
- State-of-the-art of European sediment treatment and reuse projects
- Inventory of characterization methods implemented in each partner country
- Study of existing treatment processes and management schemes available in the project area
- Specific focus on the management of high-fiber (Posidonia) dredged sediments
- Implementation of pre-treatment and treatment pilots on the dredged sediments (Particle size separation techniques ; sediment washing ; Dewatering using geosynthetics ; Remediation using fungi ; Calcination tests)
- Implementation and long-term monitoring of valorization pilots (Road engineering and Concrete)
- Data analysis and drafting of the guidelines

6 investigated sediments sampled in different marine locations :



3 representative sediment samples from each locations have been sent to ISPRA, INSA and Geological Institute of Cagliari to be characterized :

INSA & ISPRA : Physico-Chemical characterizations ; **CAGLIARI** : Geotechnical characterization

Analysis of the results will determine the most adapted sampling area in each marine location for more consequent sampling (10 tons) for pre-treatment/treatment and valorization pilots.

Pre-treatment in ISPRA : Hydrocyclone and sediment washing



Treatment in PISA (Navicelli Canal) : dewatering



Treatment in GENOVA (DISTAV) : Fungi Remediation



R&D Center in TOULON : Implementation and long-term monitoring of valorization



Treatment in INSA (PROVADEMSE) : Calcination Tests



Welcome to Political Kick Off & Technical workshop in TOULON : 19 – 20 september 2017

Thanks for your attention

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