

# EUROPE

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## RENEWABLE ENERGIES, ASSOCIATED PROCESSES AND MATERIALS

### PROMES

- SFERA : Solar Facilities for the European Research Area.
- CSP2 : Concentrated Solar Power in Particles.
- OPTS : Optimization of a thermal energy Storage system with integrated steam generator.
- EU-SOLARIS : European Solar Research Infrastructure for Concentrated Solar Power.
- EUROSUNMED : Euro-mediterranean cooperation on research and training in sun based renewable energies.
- STAGE-STE : Scientific and technological alliance for guaranteeing the European excellence in concentrating solar thermal energy.
- RAPID : Reactive atmospheric plasma processing, education network
- INPATH-TES : Innovation Pathways for TES

## HOW LIVING ORGANISMS FUNCTION AND ECOLOGY

### CRIOBE

- COCONET (EU FP7, partenaire, PI : Ferdinando Boero) : Towards coast to coast networks of marine protected areas coupled with sea-based wind energy potential.
- CORAIL (EU BEST partenaire, PI : Tamatoa Bambridge) : Ecosystemic services from coral reefs (Public policy tools for decision-making in New Caledonia and French Polynesia.
- BUFFER (ERA-Net, ANR, coordinateur) : Partially protected areas as buffers to increase the linked social-ecological resilience.

## DYNAMICS OF THE ENVIRONMENT AND OF ANTHROSYSTEMS

### BAE

- BIOFOS : Micro ring resonator based biophotonic system for food analysis.
- ELENA : Encapsulation et libération contrôlée d'antioxydants pour un usage agro-alimentaire.

### CEFREM

- SUBLIMO LIFE+ : Analyser, suivre et restaurer la biodiversité marine.
- PERSEUS : Protecting european seas and borders through the intelligent use of surveillance

### IMAGES-ESPACE DEV

- MEDSEA : Mediterranean sea acidification in a changing climate.

## THEORY, COMPLEX SYSTEMS, MODELLING

### LAMPS

- DMH : Non linear dynamic hysteresis of nanomagnetic particles with application to data storage and medical hyperthermia.
- CONTACT : Non linear inclusions, hemivariational inequalities with applications to contact mechanics.
- PHC POLONIUM 2014-2015 : Analyse mathématique et numérique de problèmes de contact avec frottement

### DALI-LIRMM

- MONTBLANC : European approach towards energy efficient high performance

[ART-DEV](#)

- LIFE+ LAG'NATURE

[CRESEM](#)

- FADNTOL : Integrating econometric and mathematical programming models into an amendable policy and market analysis tool using FADN database.
- PAT TEIN : Transfrontier euro-institut network

[HNHP](#)

- PREHSEA : Managing prehistoric heritage in southeast asia

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