

ICSS 2013

Topic #1 : Sustainable management of natural resources

Abstract of the topic (proposal)

The aim of this topic is to review how sustainable sciences can contribute to the management of natural resources, for the preservation of soils (agriculture practices), for the landscape management (compatibility between the objectives of preservation in National and Regional parks and the economic activities) and oceans resources (evaluation, preservation and management of biomass resources in the oceans). Three particular subjects could illustrate this topic:

- How solving the conflicts of land use between the objectives of the preservation of a natural heritage, maintain of cultural practices and economical development in a national park such the “Parc national des Calanques de Marseille”?
- Towards a sustainable fishery, evaluation of fishes populations, impacts of human activities (littoral pollutions, over fishery, maritime transport, offshore oil and gas extraction ...), equilibrium between the preservation of ocean resources and the maintain of fishing activities, aqua-farming, impact of global warming.
- New agriculture practices (no-till seeding, organics production ...) in the context of a global reduction in the chemical treatments (pesticides, fertilizers) of soils, fruits and vegetables. Interaction soils properties / products (terroir) ... Valorisation of agriculture wastes (production of energy ...) to reduce their impact on the environment.

List of speakers (proposal)

- **Professor Thierry TATONI** (Thierry.tatoni@univ-amu.fr): Professor at Aix-Marseille University and specialist in ecology of Mediterranean regions and vulnerability of ecosystems, he has participated to the creation (as a scientific expert) of the National Park “Calanques de Marseille”.
His personal web page: <http://www.imep-cnrs.com/fiches/tatoni/tatoni.htm>
- **Doctor Jean Marc FROMENTIN** (Jean.Marc.Fromentin@ifremer.fr): Searcher in a IFREMER laboratory (French Scientific Institute for the Management of Ocean Ressources), specialist of halieutic (biomass) resources, he has participate to various scientific committees concerning the management of fishing resources in Mediterranean sea and Atlantic Ocean. Personal web page: <http://annuaire.ifremer.fr/cv/16053/>
- **Professor Daniel PAULY** (d.pauly@fisheries.ubc.ca) Professor at University of British Columbia Vancouver, specialist in the impact of human activities (including global change) upon ocean resources and global fisheries.
Personal web site: <http://www.fisheries.ubc.ca/faculty-staff/daniel-pauly>
- **Other speakers to be defined ...**