



Tuesday, October 20, 2015

08:30 - 10:15 Coffee and registration

09:00 - 10:00 **Press conference -**

10:00 - 10:25 **Press conference** – Instruments exhibitions - Interviews -

10:30 - 11:00 **Opening** : Welcome words from Patrick crezé, CEO AVITEM
MISTRALS at mid-term, Etienne Ruellan Directeur adjoint CNRS, directeur scientifique MISTRALS France

11:00 - 13:00 **MERMeX Programme**

Results (11h-12h00)

- R. Semperé, Overview of the MERMEX activities and indicators
- P. Conan, Impact of hydrodynamic changes on biogeochemical budgets
- F. Carlotti, Ecological processes: biogeochemistry and food web interactions
- C. Rabouille, Land-sea interaction including extreme events
- E. Pulido-Villena, Natural and anthropogenic air-sea interactions
- J.O. Irisson, Marine regionalisation planning
- Discussion

Prospects (12h00-13h00)

- I. Pairaud, Modeling and identified needs in terms of knowledge and data
- F. d'Ortenzio, Fonctionning of Mediterranean pelagic ecosystems - Impacts of atmospheric deposition and dense water formation
- C. Garnier, Functioning of coastal pelagic and benthic ecosystems - Transfer and impact of contaminants
- Discussion

13:00 - 14:30 Lunch and posters session

14:30 - 16:30 **ChArMEx Programme**

- F. Dulac (LSCE-Gif-Sur-Yvette, France) and the ChArMEx community, A brief overview of the Chemistry-Aerosol Mediterranean Experiment (ChArMEx).
- K. Sellegri et al., Nucleation : an unexpected source of aerosols over the Mediterranean.
- V. Gros et al., Importance of emissions and chemistry of biogenic volatile organic compounds in the Mediterranean area.
- J. Sciare et al., Original results on source apportionment and properties of organic compounds in the Mediterranean atmosphere.
- P. Durand* et al. (présentation par F. Dulac), Overview of ballon-borne ozone and aerosol measurements during ChArMEx campaigns.
- P. Ricaud et al., Intercontinental summer transport converging over the Mediterranean: impact on chemical species and aerosols.
- K. Sartelet et al., Improving aerosol forecast in air quality models by assimilation of lidar data: a demonstrator during ChArMEx.
- B. Laurent et al., Unprecedented monitoring and model validation of mineral dust deposition in the Mediterranean region.
- C. Denjean et al., New understanding of dust plume evolution during transport, based on airborne measurements in the Mediterranean.
- P. Nabat et al., The significant impact of aerosols on the radiative budget and regional climate over the Mediterranean..

16:30 - 16:45 **Coffee break**

16:45 - 18:45 **TERMEX Programme**

- Christian Gorini: Introduction and Implications 2015-2020 of thematic “Solid earth” French teams in the Mediterranean. Towards Termex 2016-2020.
- Karim Yelles, Jacques Déverchère and the Spiral team: The Algerian-French Spiral Project: New insights on the deep structure of the Algerian margin and its reactivation.
- Mustapha Meghraoui, Matthieu Ferry et Jugurtha Kariche: The major continental faults and associated earthquakes in the Mediterranean: a research program on the seismic slip deficit.
- Benedetti L., J. Tesson, S. Robert, T. Lechemia, A. Valentini, B. Pace, J. Fleury, O. Bellier, M. Ghilardi, M. Rizza, V. Mouslopoulou, F. Visini. Better constraining the chronology of past large earthquakes in the Mediterranean and associated risk susceptibility.
- Jean-Louis Bodinier et Carlos Garrido: Le projet FP7-PEOPLE-IRSES « MEDYNA »: Maghreb-EU Research Staff Exchange on GeoDynamics, Geohazards, and Applied Geology in North West Africa.
- Estelle Leroux: Sismic Atlas of the Mediterranean: Basins Evolution since Oligocene opening of the Provencal Basin
- Marina Rabineau et équipes d’Action Marges et de Gold: Bilan 2010-2015 du programme Action Marges Total-CNRS-Universités- BRGM- : Volet Méditerranée- et prospective 2016-2020 (besoin de soutien communautaire et industriel pour sauver le forage Gold, besoin d’internationalisation du groupe marges
- Christian Gorini et équipe du GRI Méditerranée: Bilan 2010-2015 du GRI Méditerranée Total-CNRS-Universités et prospective 2016-2020 pour Termex-Méditerranée occidentale
- Fadi Nader et équipe Levant: Bilan 2010-2015 du réseau international de thèses/IFPEN/universités-UPMC-Aachen/Liban-Chypre/industrie sur le Levant et prospective 2016-2020 pour Termex-Méditerranée orientale

09 :00 – 9 :15 **Introduction** : Jean-Paul Moatti, CEO of IRD

09:15 - 11:15 **HyMeX Programme**

- 5-y program overview - V. Ducrocq (Météo-France/CNRM, Toulouse, France)
- Science review
 - Water budget - S. Somot (Météo-France/CNRM, Toulouse, France)
 - Hydrological continental cycle - P. Quintana-Segui (Ebro Observatory, Tarragona, Spain)
 - Heavy Precipitation - S. Davolio (CNR/ISAC, Bologna, Italy)
 - Flash-flood - I. Braud (IRSTEA/HHLY Lyon, France)
 - Intense air-sea exchanges and dense water formation - C. Estournel (CNRS/LA, Toulouse, France)
 - Vulnerabilities and adaptation capacity - O. Petrucci (CNR/IRPI, Corenza, Italy)
- HyMeX and international partnership - S. Gualdi (INGV/CMCC, Lecce, Italy)
- 5-y future orientations - P. Drobinski (CNRS/IPSL, Palaiseau, France)
- questions and discussion

11:15 - 11:30 Coffee break

11:30 - 13:30 **PaleoMex Programme**

- M.A. Sicre, Overview and prospects of PaleoMex
- Fabrizio Lirer, Nexdata Project
- D. Genty, V. Daux, B. Vanni re, Paleoclimatic and hydro continental climate reconstructions of the Mediterranean from natural archives.
- L. Dezileau, Extreme climate events in the last millennia in the Western Mediterranean
- P. Montagna, Coral geochemistry as a new tool to reconstruct climate variability in the Mediterranean Sea
- A. Blondeau, Modelling in PaleoMex
- C. Kuzucuoglu, Demonstration of relationships and interactions between climate, environment and human societies in the Mediterranean, from Neolithic societies to the Bronze Age.

13:30 - 14:45 Lunch and posters session

14:45 - 16:45 **SICMed Programme**

- Objectives and challenges of SICMed, Marc Voltz
- Presentation of thematic actions
 - Fr d ric Jacob, Management of cultivated landscapes and hydrological flow surface
 - St phane Ruy, Anthropization and evolution of groundwater resources
 - Gilles Boulet, Observation systems and integrated approaches for water resources management
 - Jeanne Riaux et Sylvain Massuel, Interdisciplinary approach Anthro-Eco-Systems (AES)
- Present and future evolutions of SICMed, Sami Bouarfa
 - New scientific actions,
 - Observatories activities,
 - Development de l'interdisciplinarit ,
 - Interactions between Sciences and Societies,

16:45 – 17 :05 **SocMed Programme**
P. Marty, The future of Humanities in MISTRALS

17:05 - 17:20 Pause café

17:20 - 19:20 **BioDivMEX Programme**

Results :

- Virginie Baldy : general overview of the programme activities (20 min)
- Remarkable results (7 min each) :

Thierry Gauquelin : *Biodiversity and functioning of Mediterranean forests: towards an experimental station network.*

Catherine Fernandez : *A workshop to analyse the role of allelopathic processes for understanding Mediterranean biodiversity.*

Maia Fourt : *French Mediterranean submarine canyons: baseline knowledge to obtain a better picture of a poorly known and vulnerable biodiversity*

Charles François Boudouresque : *Warming versus biological invasions: Pay attention, a train can hide another one !.*

- Discussion and questions (10 min)

Prospects:

- Yildiz Thomas : Overview, perspectives BIODIVMEX 2015-2019 (20 min)
 - Two cross-cutting themes: 1) unknown and unexplored Mediterranean Biodiversity; 2) Biodiversity of social-ecological systems (SES) in the Mediterranean;
 - To improve our understanding of terrestrial-marine ecosystems relations;
 - Four interdisciplinary working groups on key topics: WG1 insularities, connectivity and fragmentation - WG2 ecosystems, vulnerability, ecological and socio-ecological resilience - WG3 habitats, and conservation values - WG4 historical context and domestication;
 - Creation and animation of a new trans-disciplinary network
- Discussion (15 min)
- Illustrations of some ideas and key actions (20 min) :

Magda Bou Dagher : *Fragmentation, insularity and endemism: eg Lebanon*

Jamila Ben Souissi/Françoise Denis : *Role of DELIRE network in the study of Non Native Species and processes related to their expansion and acclimatization*

- Questions (5 min)

19:45 - 22:15 Cocktail, **Results of the photo contest MEDITERRANEANSCOPY**

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09:00 - 10:30	Inter-programmes actions Cécile Guieu et Karine Desboeufs : PEACETIME CEMBAI
10:30 - 10:45	Coffee break
10:45 - 11:30	Inter-programmes actions W. Cramer : Mediterranean climate assessment, MEDECC
11:30 - 12:30	Workshop Modelling Animators : Samuel Somot, Laurent Menut, Thomas Arsouze, Marc Mallet, Fabien Solmon, Y. Tramblay 1. Coupled process modelling in the Mediterranean 2. Integrated Mediterranean Oceanographic Modelling: Simed 3. Coupled Regional Climate Modelling in the Mediterranean: Med-CORDEX 4. Modelling of climate change impacts on the environment and human activities in the Mediterranean 5. Integrated modeling of the continental water cycle (resources, agricultural practices, uses) in the Mediterranean
12 :30 – 14 :00	Lunch and posters session
14 :00 – 14 :45	Workshop Observatories and Observations Animators : Patrick Raimbaud et Laurent Mortier
14 :45 – 15 :30	Workshop Seashore, Towns and Territories
15 :30 – 16 :15	Atelier Bases de données et systèmes d'information - Laurence Fleury: MISTRALS Information system: data and tools overview - Sandrine Anquetin: OLES : Online Laboratory for Environmental Sciences - Karim Ramage: Prospective of the « Mistrals Information System and databases » working group
16 :15 - -16 :30	Coffee break
16 :30 - -17 :00	General discussion
17 :00 - -17 :15	Closing session
