

OT-Med progress meeting, Carry-le-Rouet, 27-28 November 2014



OT-Med : several reading grids



science

International

Network

training

Equipment

Expertise

employment

budget

Leverage effect

OT-Med : recommendations of the scientific committee



RECOMMENDED

Science

Links across time and spatial scales

Favour research on natural risks

Link between individual/local studies and OT-Med priorities

Reinforce the human dimension (social sciences)

Strategy

orientate scientific questions (more top-down)

Define common products for the TWP's

Support clearly identified interdisciplinary products

Improve activity of WP's

Networking

Involve partners from South

Early involvement of stakeholders for society questions

Science

16 projects funded in 2014 on 29 submitted

discipline	Post-doc	PhD	NP	area
1) Atmosphere-sea interactions		1		WMed, FR
2) Water resources	1	1		Chad, Alg
3) Paleoecology, - climatology		1	2	FR
4) Earthquakes			1	GR, TU
5) Natural risk	1			TU
6) Carbon cycle	1			Med
7) Ecosystem functioning		2	1	FR
8) Past adaptation to climate stress	1			Med
9) Climate change perception			2	FR
10) Biodiversity conservation and ecosystem management		1		FR
11) Marine food web	1			TU, FR
12) Forest fires	1			PT, FR

Links across time (3, 8) and spatial (1, 11, 12) scales

Favour research on natural risks (4, 5)

Link between individual/local studies and OT-Med priorities (all)

Reinforce the human dimension (social sciences) (2, 5, 8, 9, 10)

Science

International

- Two theme days on risk related on (1) seisms, (2) fires
- Projects by WP: WP1 (9), WP2 (3), WP3 (5), TWP1 (1), TWP2 (2)
- Projects involving social sciences: 7
- International Conferences: 5
- International publications: 2013 (5), 2014 (13)
- Visiting scientists: A. Matmon (Isr), E. Reinhardt (Ca), P. Fule (USA), R. Axtell (USA), A. Mashouhi (Tu), M. Zhou (USA), W. Oeschel (USA)
- Exchange of master students with San Diego University
- Proposition of a session for the Paris conference on climatic change in July 2015: « The Mediterranean Basin in a warmer and drier world »
- Grantham Institute: I.C. Prentice (2015)

Involve partners
from South

Network

- ✓ 10 labs + 1 network (ECCOREV, 38 labs)
- ✓ All the disciplines of the environment sciences are represented
- ✓ A new member (LPED) to reinforce the interaction between natural and social sciences
- ✓ Institute of Research for Development (IRD) present in 4 labs

Involve partners from South

Reinforce the human dimension (social sciences)

Partenaire	Discipline scientifique
Centre Européen de Recherche et d'Enseignement en Géosciences de l'Environnement (CEREGE) 	Géosciences terrestres, marines: (paléo)climatologie, géomorphologie, aleva sismique, hydro(géo)logie
Ecosystèmes Continentaux et Risques Environnementaux (ECCOREV) 	Toutes les disciplines environnementales
Groupe de Recherche en Economie Quantitative d'Aix-Marseille (GREQAM) 	Économie de l'environnement
Mediterranean Institute of Oceanology (MIO) 	Géosciences marines: physique, biogéochimie, écologie, ressources
Institut Méditerranéen de Biodiversité et d'Ecologie marine et continentale (IMBE) 	Écologie, biodiversité terrestre et marine, services écosystémiques, paléoécologie
Droit public comparé, Droit international et Droit européen (DPCDIDE), équipe CERIC 	Droit international, droit de l'environnement
Géochimie des Sols et des Eaux (GSE) 	Biogéochimie des sols
UMR ESPACE, équipe DESMID 	Sociologie, géographie, ressources en eau
REAX (Risques et Environnement Aix) 	Risques, hydraulique, forêts, hydrologie
Ecodéveloppement (ECODEV) 	Économie, agronomie
Laboratoire Population – Environnement Développement (LPED) 	Ecologie, sociologie, démographie, anthropologie, géographie

- **Med-net:** Mediterranean Network of environmental training sites supporting OSU Institut Pytheas master's degrees and international academic partnerships, funded by AMIDEX (see talk end of day)
 - Hydro and geosciences in arid regions (Cameroun)
 - French-Tunisian field school in ecology
 - Valorisation of biodiversity, Tunisia, Morocco
- Annual summer school: climate, biodiversity, geomorphology, risk → extension by collaboration with other labex (IPSL, BASC)
- 14 ongoing PhD theses, masters



Visit of the French Ministre of Research to the group of young scientists of OT-Med

Early involvement
of stakeholders for
society questions

Involve partners
from South

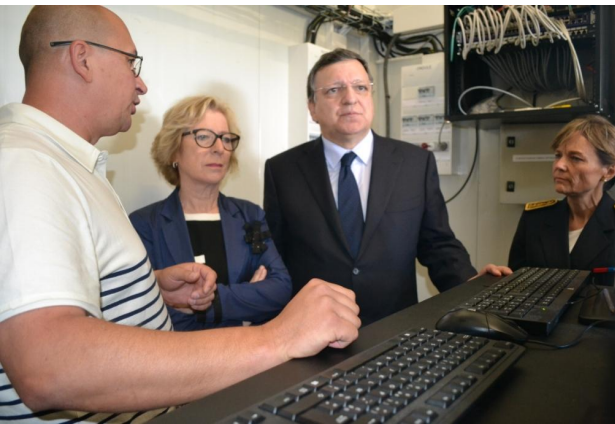
- A committee involving local government (Marseille city, region PACA), associations (AVITEM, Pole Risk, Plan Bleu, AIR-Climat), enterprises (Acterra Consult, CDC Biodiversity)
- A white book destined for end-users on Big cities and sustainable development (in progress, see talk in TWP1), in connection with policy makers
- A web site for public: <http://climat-risque.otmed.fr>, questions/answers on climate and natural risk, news on IPCC
- Popularization effort (conferences, sciences days, Sillage ...)
- Masters in common with enterprises (Acterra, Tec-Conseil)
- Regional group of experts on climatic change, region PACA
- IMERA Residence about communication on climatic change and art (Tara dePorte)

Early involvement
of stakeholders for
society questions

Equipment

Support to platforms

- O3HP to study impact of climatic change on mediterranean forest (2 PhD)
- ICOS to study carbon cycle at the regional scale (inauguration July 2014)
- Moose : Mediterranean Ocean Observing System for the Environment (1 post-doc)
- Mistrals (Mermex, Paleomex, Hymex), support to workshops, modelling ... (2 PhD, 1 PD)
- Support to environmental databases



Personnal

A virtual company of 29 eq. full-time p.

- 2 engineers (GIS, modelling)
- 1 scientific manager
- 2 administratives (half-time)
- 14 PhD students (2 co-funded)
- 11 post-docs (2 co-funded)
- *(2 post-docs ended)*

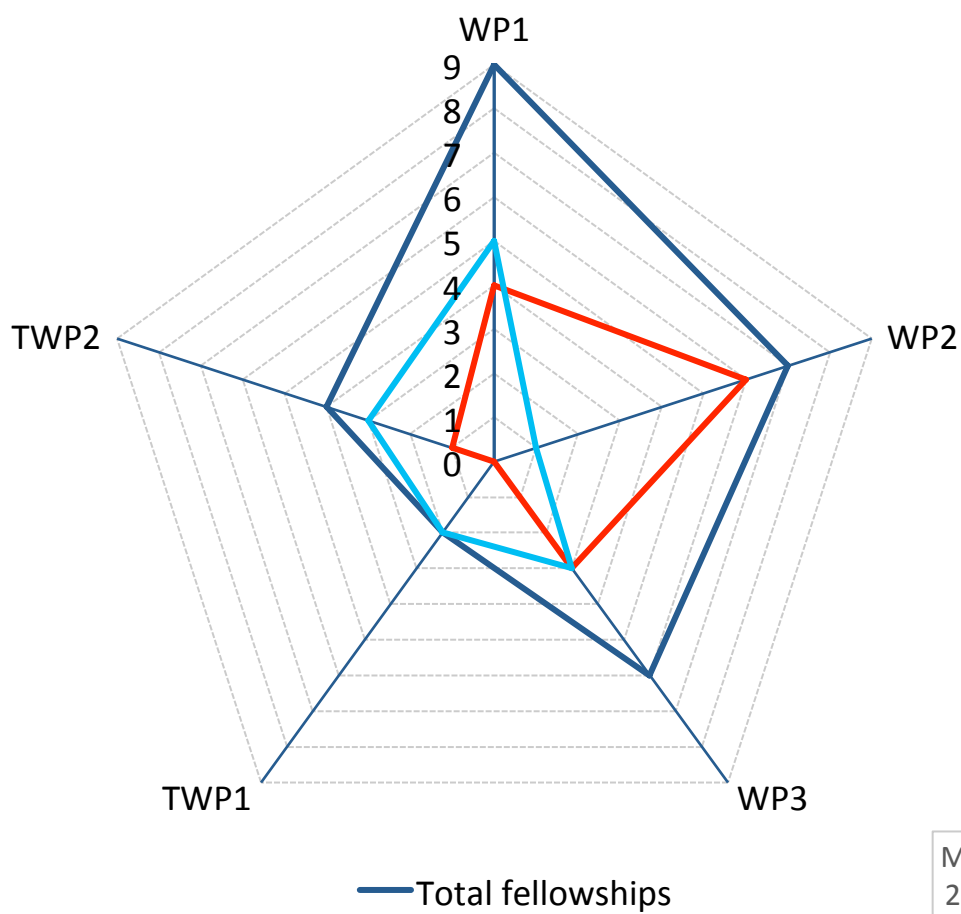
Budget

Dispatching by heading

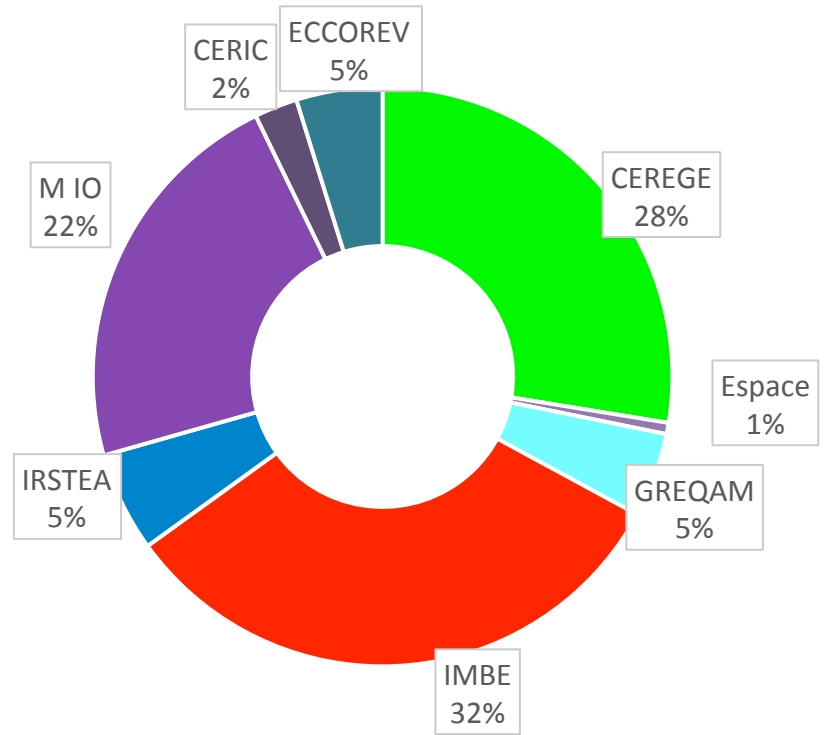
Items	Total	Committed	Remaining
Engineers	1 064	271	793
PhD fellowships	1 824	1 129	695
Post Doc	1 470	713	757
Braudel / IMERA	50	30	20
Research Projects (excl. Personnel)	1 126	359	767
Valorisation	250	64	186
Training	120	30	90
Fonctionning	601	177	424
Sub-total	6 505	2 773	3 722
Management costs	495	210	285
Total	7 000	2 983	4 007

- Reduction of 4%/year → we have cancelled three PhD fellowships

Budget



Distribution by Lab



Distribution by WP

Leverage effect

Towards larger projects

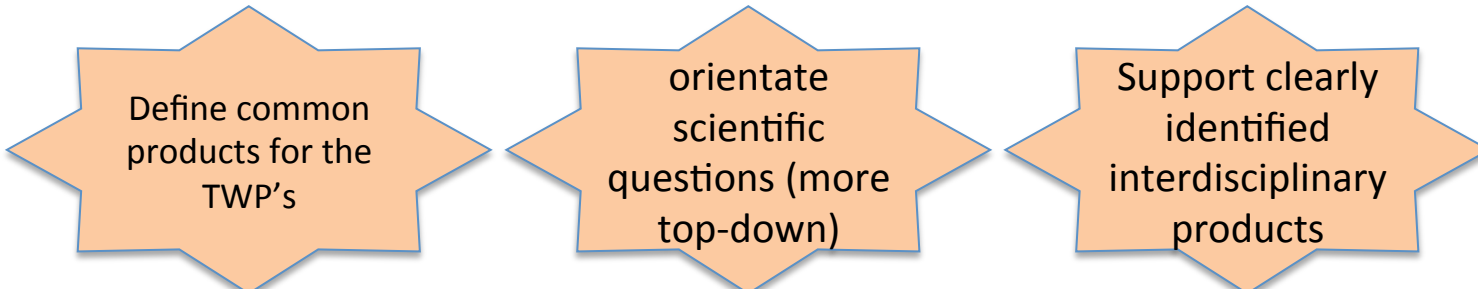
- EU Cofund Program : 4 post-docs cofunded, 40k€
- Two PhD theses cofunded: region PACA, IRSTEA, 100 k€
- MedNet project AMIDEX, 50 k€
- IMERA Residence, 10 k€
- Cofunding of various projects (call 2014): 430 k€
- An ERC project on International law and global governance, CERIC (V. Richard)
- Contribution of OT-Med to two FP7 projects on ecosystem services (OPERAs, LUC4C)
- MC3-Network: A mediterranean network on urbanism and Climate change, AMIDEX, 350k€, H. Mazurek
- SynTerCalM: Synergy on the Marseille Calanques territory, AMIDEX, 374k€, I. Laffont-Schwob
- Mistral's metaprogram on Mediterranean sustainable development A H2020 project on earthquakes (incl. society aspects) to be submitted in 2015 (L. Benedetti)
- A project submitted to H2020 on ecosystem services : BRAVE (W. Cramer)

Summary: what's new for this meeting?

- New lab (LPED): to reinforce social sciences and collaboration with South
- An integrated call for proposals based on round tables by WP last year, but still need to be improved
- Each WP has met to define common projects and key words for next call: we are converging to a better integration
- Presentation of science in this meeting will be better coordinated (!)
- Social sciences better integrated in the projects
- A committee for transfer of knowledge to end-users and public has been set up

Future directions

- To favour model coupling : favour 1-yr projects where post-doc modellers could work together as extension of their present post-doc fellowship (?)
- Next call for proposals will be based (exclusively?) on keywords proposed by WP meetings, favouring integrated projects
- Set up the basis an Earth Institute for Mediterranean as a major project of the Labex (AMIDEX could bring support)
- Develop common projects with local labex (AMSE, Labex-Med)
- Summer school in collaboration with other labex at the national level (BASC, IPSL)



Define common products for the TWP's

orientate scientific questions (more top-down)

Support clearly identified interdisciplinary products

Coming Dates: 2015 the « climate year »

- December 2015: Next call for proposals
- Sept 2014-Dec 2015: monthly conferences on climatic change organised with IMERA
- 12-13 Feb 2015: Conference AMU on the Mediterranean, a session on climate and biodiversity
- 7-10 July 2015: Conference « Our common future under climate Change », Paris, session on Mediterranean (proposed by OT-Med)
- End 2015: mid-term report for ANR

Zoom sur le disponible phd et postdoc

Méthodologie de valorisation des phd et postdoc: chiffres du vademecum RH du 1^{er} T 2014

Doctorants	Total période	Total engagé au 31/12/2014 (*)	Total disponible
Doctorants en K€	1 824K€	1 129K€	695K€
Doctorant en « quantité »	21 postes de 36 mois	14 postes de 36 mois dont 2 postes co-financés	8 postes de 36 mois (*)

PostDoc	Total période	Total engagé au 31/12/2014	Total disponible
Doctorants en K€	1 470K€	713K€	757K€
Doctorant en « quantité »	15 bourses de 24 mois ou 30 bourses de 12 mois	173 mois consommés (4 bourses de 24 mois, 6 bourses de 12 mois)	15 postes de 12 mois ou 6 postes de 24 mois)

17 (*) Dernières embauches: oct 2016