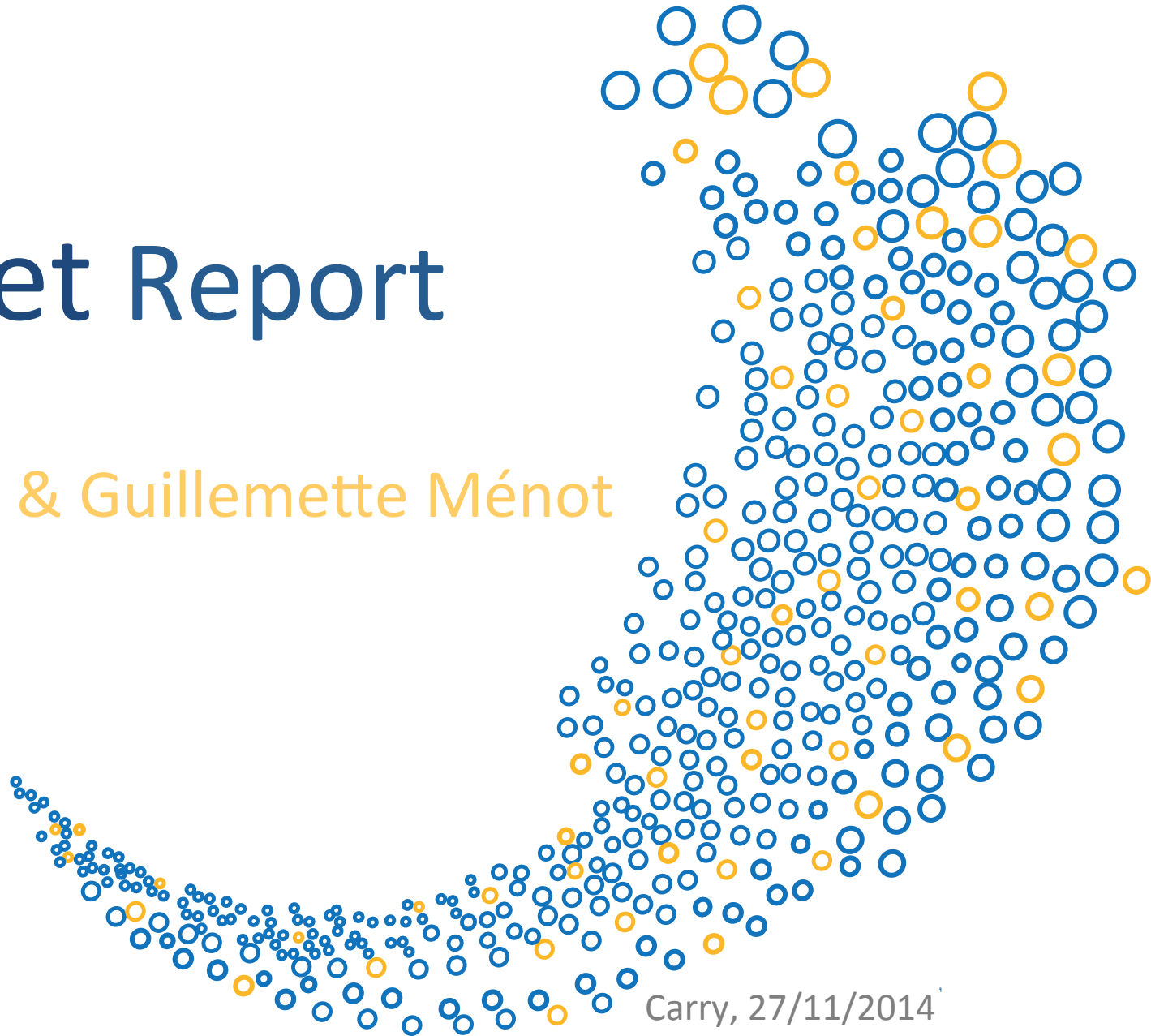


# MedNet Report

Franck Torre & Guillemette Ménot



# Links between OTMED and MEDNET



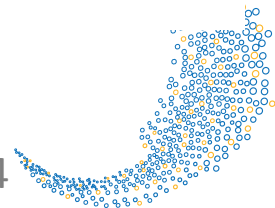
1. First in 2012, OTMED : seed-money for 2 field schools, in Cameroon & Tunisia.

⇒ Implementation of a full network of field schools in an A\*MIDEX proposal : MEDNET, 2013-2016



2. Financial support to these two schools since then, as well as common investments in audiovisual equipments.

3. Combined MEDNET-OTMED actions planned in 2014/2015.



# An open international network of practical environmental schools MEDNET



Editions in

☑ 2013/14 done !

☑ 2014/15 on the way !

☐ 2015/16 inch'allah !



*French Alps  
Research*

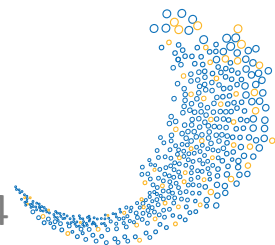
*Corsica  
Research*

*Cameroon  
Research*

*Morocco & Provence  
& Tunisia  
Industry*



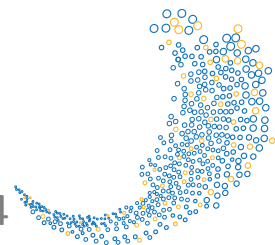
Carry, 27/11/2014



# The approach developed

- ✓ **A METHODOLOGY** A learning by doing approach of environmental issues concerning natural hazards, geodynamics, biodiversity management and promotion as well as climate change
- ✓ **FINANCIAL & LOGISTIC RESSOURCES** International practical schools proposed to nearly 120 master's students
- ✓ **PEDAGOGICAL OBJECTIVES** Decompartmentalization of teaching units, knowledge appropriation, scientific promotion
- ✓ **SOCIAL EVENTS** Collaborative actions, cultural mixity, change of scenery

=> *A NETWORK IN DEVENIR !!!*



# 1/5 - Action "Ecoles de Terrain"

« French Alps » - Biodiversity group

FROM 29/09 TO 03/10/2014

FOR  
- AMU MASTER SCIENCES DE  
L'ENVIRONNEMENT TERRESTRE,  
- SFAX MASTER BIODIVERSITÉ  
ET DYNAMIQUE DES  
ECOSYSTEMES

50 STUDENTS + 15 TEACHERS



Deliverables (student to work at)

- ✓ 6 SET Research Master degree reports on Effect of altitude on soil conditions - flora/fauna composition – demographical dynamics in the context of the presence of *Prunus* species
- ✓ a 12' video relating the event



# 1/5\* - Action "Ecoles de Terrain"

« French Alps » - Paleo group

(\*) NEW 2014/2015

FROM 29/09 TO 03/10/2014



FOR

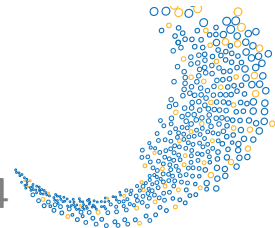
- AMU MASTER SCIENCES DE L'ENVIRONNEMENT TERRESTRE,
- FOREIGN MASTER & PH.-D. STUDENTS.

19 STUDENTS + 6-8 TEACHERS.

- ✓ Characterization of the modern biodiversity of an alpine lake and its surroundings
- ✓ Lacustrine sedimentary archives : its past history.



Carry, 27/11/2014



# 1/5 - Action “Ecoles de Terrain”

« French Alps » - Biodiv & Paleo groups

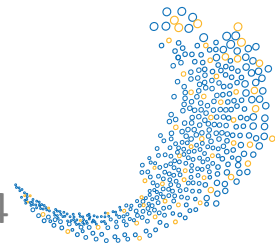
FROM 29/09 TO 03/10/2014

**IN SHORT : What does a MEDNET field school look like ?**

*THE MOVIE*



Carry, 27/11/2014



# 2/5 - Action "Ecoles de Terrain"

« Tunisia and Provence - Biodiversity »

2ND EDITION : 2-8/11/2014

AMU STUDENTS - MASTER SCIENCES DE L'ENVIRONNEMENT TERRESTRE, BIODIVERSITY

9 STUDENTS + 4 PROF.



Conservatoire Botanique National



**Deliverables (student to work at)**

- ✓ a 5' video relating the event
- ✓ three Research Master degree reports on :
  - ✓ Plant diversity and dynamics at Piana Island
  - ✓ Insect diversity at Cavallo Island
  - ✓ Demographical survey of a rare plant species *Armeria pungens*





# 3/5 - Action "Ecoles de Terrain"

## « HYDRARIDE »

POSTPONED TO EARLY 2015, IF ONLY ...



**Cameroun**



### Working groups (2 days):

- Hydrogeology & hydrogeochemistry
- Teledetection & Landscapes
- Sedimentary archives
- « Wrap up » days
- 20 students, 10 "North" (4 AMU) & 10 "South"
- 10 teachers (6 "North" et 4 "South")
- 14 days including 10 days of fieldwork
- A budget of 30 k€

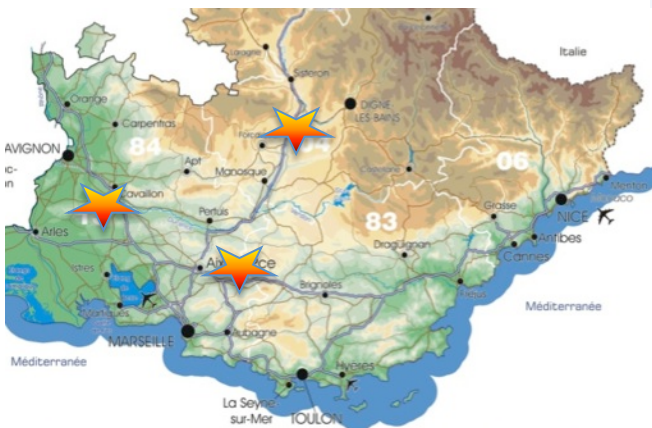
[www.hydraride.fr](http://www.hydraride.fr)



AMU FUNDINGS :

# 4/5 - Action "Ecoles de Terrain"

« Morocco, Tunisia & Provence – Biotechnology » 2<sup>ND</sup> EDITION : 20-24/10/2014



FOR :

-AMU STUDENTS IN BIOTECHNOLOGY (MASTER SCIENCES DE L'ENVIRONNEMENT TERRESTRE - VABB) – AMU PROFESSORS

- AGADIR UNIVERSITY PROF. (MASTER OF BIOTECHNOLOGY BVRV)

10 STUDENTS + 6 TEACHERS



**Deliverables (student to work at)**

- ✓ two 12' videos relating the event
- ✓ two Pro Master degree reports on :
  - ✓ Valorisation of Aromatic Mediterranean Plants
  - ✓ Olive-oil industry
- ✓ Either new environment friendly process
- ✓ Either a start up business project

**ieS LABO**  
Au cœur de la Provence

**Florame**



**Tunisia trip cancelled  
Plan B was Provence**

# 5/5\* - Action "Ecoles de Terrain"

« Autumn School in Geochemistry & Geophysics »

(\*) NEW 2014/2015

**For Master and Ph.-D. students**

**This year :**

Univ. des sciences et technologie Houari Boumediene, **Algeria**

Univ. de Yaoundé I, **Cameroon**

Univ. de Dschang, **Cameroon**

Univ. Felix Houphouët Boigny Abidjan, **Ivory Coast**

Univ. d'Antananarivo, **Madagascar**



**Week 1 – From 29/09 to 03/10 - Field work in Seolane, Barcelonnette**

Environmental changes & sedimentary archives – Sagnes Lake (Ubaye Valley).

**Week 2 – From 06/10 to 10/10 – Water geochemistry**

Isotopic tracers and groundwater dating.

**Week 3 - From 13/10 to 17/10 – Cosmogenic nucleides**

Presentation of Cosmogenic nucleides – Practical classes in-situ Be-10, cosmo. Be-10 & Cl-36.

**Week 4 - From 13/10 to 17/10 – Strontium isotopes**

Strontium isotopes as provenance tracers : from sampling to analyses by MC-ICPMS & TIMS.



Carry, 27/11/2014



# Action “Spring school”

08/06 – 12/06/2015

(MASTER SET + STUDENTS FROM ABROAD)

PRELIMINARY PROGRAM

**J0 – Welcome day – visit of our labs**

Cerege & Imbe presentations

**J1 – Next century climate change scenarii**

Joël Guiot & Camille Contoux

**J2 – Mediterranean marine biodiversity in the context of climate change**

Thibault de Garidel & XX (to be determined)

**J3 – Biodiversity and coastal research in Tunisia and Indonesia**

Mohamed Chaieb & Agung Dhamar Syakti

**J4 – Seismicity in the Mediterranean region**

Lucilla Benedetti & Olivier Bellier

& an evening session on decision making

International top-level group of speakers

Foreign delegation are invited (i.e. 4-5 students, based on merit + 1 teacher):

Algeria, Morocco (2 are expected), Egypt, Indonesia, Tunisia , Turkey.



# MEDNET : Some quantitative results




## MEDNET FIRST EDITION CONCERNED

- 120 master's degree students and 20 professors
- 50 incoming students/professor mobilities (ie. Individual initiatives)
- 15 outgoing student/professor mobilities
- 16 month mobility grants for students
- A growing network of 11+2 partners from the French speaking area and elsewhere
- 2 new partners to join the network : Egypt and Turkey
- The funding of 1 joint degree Sfax/AMU





# MEDNET : Some qualitative results

## Student trajectories of « MedNet babies »

	MEDNET Action	Perspectives	
	<b>Barhoum Kharbouch</b> Univ. Agadir Egypte	Invitations at the Spring School in 2013/2014 & at the Biotechnology Field school in 2014/2015	Applying for a doctoral program linked to the Marrocco-French projet « VemOlive »
	<b>Kevin Mbusum</b> Univ. de Yaoundé I Cameroon	Invitation at the Autumn School in 2014/2015	MAE grant to fund a joint PhD France/Cameroon
	<b>Abdallah Mahamat</b> Univ. Ndjaména Tchad	A two-month mobility at CEREGE in 2013/2014	MAE grant to fund his Master SET (M2R SET/Hydro in 2014/15)

# MEDNET : Some qualitative results

## Student trajectories of « MedNet babies »

	MEDNET Action	Perspectives
 <p><b>Chloé Poulin</b> Univ. Montpellier</p>	MEDNET-OTMED Field School HYDRARIDE 2013-2014	OTMED Ph.-D. grant 2014 - 2017
 <p><b>Meryem Mahjoub</b> Univ. Manouba, Tunisia</p>	Invitations at the Spring School in 2013/2014 & at the Biotechnology Field school in 2014/2015 A six-month mobility at IMBE	Looking for a grant to fund a joint PhD France/Tunisia

# Concluding remarks

- Geopolitical & disease contexts – *B-plans to become A-plans but still Excellence is at rendez-vous and initial international partnership is kept in mind*
- *A lot of work for the training team of our master's degree program, but a lot of skill achievements, international exchanges and social experiences for students*

www.mednet.fr

As highlighted by  
MedNet logo  
signature ...

An opening on  
the  
Mediterranean  
Region

Thank you for your attention !

A space of cooperation and exchange  
for academic and non-academic  
partners



Terrains d'Excellence  
An integrated  
pedagogical  
program

A learning  
by doing  
approach

An acquisition of  
knowledge and  
practice using up-  
to-date scientific  
and pedagogical  
tools

Carry, 27/11/2014

