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


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 developped

✓ **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 RESOURCES** International practical schools proposed to nearly 120 master’s students

✓ **PEDAGOGICAL OBJECTIVES** Decompartamentalization of teaching units, knowledge appropriation, scientific promotion

✓ **SOCIAL EVENTS** Collaborative actions, cultural mixity, change of scenery

=> **A NETWORK IN DEVENIR !!!**
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
Characterization of the modern biodiversity of an alpine lake and its surroundings

Lacustrine sedimentary archives: its past history.
IN SHORT: What does a MEDNET field school look like?

THE MOVIE
« Tunisia and Provence - Biodiversity »

AMU students - Master Sciences de l’Environnement Terrestre, Biodiversity

9 students + 4 prof.

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

Tunisia trip cancelled
Plan B was Corsica
3/5 - Action “Ecoles de Terrain”

« HYDRARIDE »

- POSTPONED TO EARLY 2015, IF ONLY …

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

AMU FUNDINGS:
4/5 - Action “Ecoles de Terrain”


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

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”

(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 First Edition Concerned**

- 120 master’s degree students and 20 professors
- 50 incoming students/professor mobilities (i.e., 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

![Map of MEDNET partners](attachment:image.png)

**Statistics**

- 7 from Maghreb
- 3 from Cameroon/Chad
- 1 from Asia
### MEDNET : Some qualitative results

#### Student trajectories of « MedNet babies »

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

### Student trajectories of « MedNet babies »

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

Thank you for your attention!

As highlighted by MedNet logo signature ...

- An opening on the Mediterranean Region
- An integrated pedagogical program
- A learning by doing approach
- An acquisition of knowledge and practice using up-to-date scientific and pedagogical tools

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