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1. Context and Purpose

Internationalization and multi-polarization of research opens a critical avenue to 'observatories' that describe the many aspects of global challenges, which need to be address with interdisciplinary teams and a long-term vision. The Mediterranean Observatories are now sufficiently numerous to create a diversified and heterogeneous institutional landscape. These differences need to be respected, and complementarities highlighted. They are both the result of thematic focus and institutional history.

In order to meet the demand of giving support to the Observatories in the Mediterranean region, one of the aims of MEDSPRING is to explore and facilitate the creation of « a dialogue/cooperation Platform » of Euro-Mediterranean observatories linking, describing and analyzing the research and innovation potential in the region, to support monitoring policy development and cooperation in areas of mutual interests and needs, with emphasis on the societal challenges addressed by MedSpring "Resource Efficiency", High Quality Affordable Food", "Energy" as well as other related challenges and cross-cutting issues.

2. Objectives of the Networking

The First Networking Meeting of Euro-Mediterranean Observatories was organized on **the 19th of December in Paris**, to: support the development of collaborative links between Observatories of both sides of the Mediterranean; to develop a shared vision necessary in order to build a "platform" of Euro-Mediterranean Observatories; to pave the way for future networking activities.

This first networking meeting focused on the following **specific objectives**:

- To discuss on the preliminary results of a survey circulated to observatories, in view of defining the best categorization of the observatories and to find common aspects,
- To exchange on the regional cooperation issues and to plan a networking event with a large audience.
- To discuss the main analytical dimensions for the follow-up of the analysis (thematic choices, pilot actions, "best practices" to be discussed).
- To create a small group of persons that would work in order to provide a comprehensive analysis, mapping of the observatories and elaborate some scenarios and trends as well as opportunities for synergies and more stable collaboration.

This meeting gathered **24 participants from** Euro-Mediterranean Observatories and research entities from **9 different countries**: France, Italy, Malta, Belgium, Tunisia, Morocco, Turkey, Lebanon, and Jordan (**See Annex I – List of Participants**).

3. Meeting Minutes

(See Annex II - Programme of the Networking Meeting)

3.1. Introductory Session

Opening the meeting, **Dr. Rigas Arvanitis** (Sociologist, Senior researcher, IRD), **Dr. Claudio Bogliotti**, (Coordinator of MEDSPRING, IAM-Bari) and **Ms. Rula Atweh** (CNRS-L Programme Officer) welcomed all participants and briefed them about the main objectives of the meeting.

Dr. Bogliotti introduced the project to the participants addressing:

- The Euro-Mediterranean Agora
- The Euro-Mediterranean Expert Group EMEG
- The next EMEG meeting on Policy dialogue

- The Indicators to be addressed for the coming 5 years

Moreover, he stressed the importance of the meeting for the whole MEDSPRING project, highlighting that:

- ✓ WP8 will feed WP2 (societal challenges), WP4 (Agora), WP6 (long term joint programs, and exchange of Information), WP9 (Policy Dialogue, Policy monitoring, Indicators to support policy), and WP7 (Capacity building).
- ✓ The main objectives of the work to be done in the frame of WP8 are: to find common principles, to reduce monitoring (collecting data from different forums), to substantiate policy, twinning and federating, and to explore ways and means of creating synergies.
- ✓ The objective of MEDSPRING is not to get the data but to get the knowledge to help substantiate policies on societal challenges.

Ms Rula Atweh presented the main objective of WP8 under the frame of MED-SPRING: to reduce the fragmentation of monitoring EU-MED cooperation and to create a platform of Euro-Mediterranean Observatories. She presented the next activities to be organized in the frame of this platform as opportunities to feed observatories' needs. Then, she encouraged the observatories to participate to the identification of Euro-Mediterranean Observatories organized through a common catalogue. She also invited the participants to discuss, during the day, on the possible aims and uses of a digital platform to strengthen collaboration between observatories.

In the final presentation of the opening session, Dr. Rigas Arvanitis presented the preliminary results of the survey that has been circulated between October to December 2013 among the observatories identified.

The survey is accessible on line: <http://sondages.cortext.fr/index.php?sid=78931>

The analysis was based on the 22 observatories that had answered to the Survey (out of a total of 56 contacted observatories - Catalogue of Euro-Mediterranean Observatories). The analysis focused on the following main parameters:

- Size of the Observatory
- Budget and means (Ex. Number of personnel)
- Objectives
- Dynamics of creation
- Networking needs
- Users
- Thematic scope

Some relevant trends of the preliminary results could be highlighted as:

- Diversity of institutional situations,
- The need for sharing data
- The impact of inter-institutional cooperation and research collaborations in the development of observatories.
- A diversity of end-users: academics (researchers, universities, etc.) and non-academics (media, government, international organizations, etc.)

Finally, he recalled that these preliminary results needed to be completed with further circulation of the survey and more inputs of the Observatories. Indeed, some elements are still paradoxical and need more inputs to be analysed, as for example, the belonging to global networks.

3.2. Observatory Presentations (Session 1)

The first session of the conference included presentations on several observatories including: Observatoire de Recherche Méditerranéen de l'Environnement - OREME & Observatoire Libano-Français de l'Environnement - OLIFE (**Arnaud Martin**), Euro-Mediterranean Observatory on Agriculture - CIHEAM (**Farah Oneissi**), Tubitak National Observatory (**Halil Kirbiyik**), "Plan Bleu" Environmental Observatory (**Hugues Ravenel**), Observatoire Tunisien de l'Environnement et du Développement Durable - OTEDD (**Samir Kaabi**), Observatoire National des Sciences et de la Technologie – ONST (**Arbia Ben Othman**), Air Quality Research Unit - a joint research unit of University Saint Joseph - USJ and American University of Beirut - AUB, associated to Lebanese CNRS (**Jocelyne Gérard**), Jordan Science, Technology and Innovation

Observatory; JoSTIO (**Omar Amawi**), Observatoire des Transitions dans le Monde Arabe - OTMA (**Jean Yves Moisson**); National Research Scientific and Technical Research Center – CNRST in Morocco (**Driss Aboutajdine**); UNESCO Regional Bureau for Science and Culture for Europe in Venice (**Mario Scalet**), Lebanese Observatory for Research, Development and Innovation LORDI & CNRS-L Database (**Rula Atweh & Aline Ghaya**); INCAM Database at CNRS-L (**Elise Noujeim**).

Presentations of the participating observatories focused on: their facilities, orientations, outputs and needs. This information will be used in drafting a logical frame for a platform of Euro-Mediterranean Observatories:

(Some examples have been extracted below; all presentations are available online at: <http://www.medspring.eu/content/policy-societal-challenges-and-cooperation-observatory-1st-observatory-networking-meeting>)

- ✓ **Facilities:** a platform for documentary resources available and facilitating access for researchers and journalists (**Euro-Mediterranean Observatory on Agriculture, CIHEAM**); databases (**INCAM; LORDI**); Equipment and telescopes (**Tubitak National Observatory**)
- ✓ **Main Objectives** (a wide variety of objectives were exposed): to provide long-term data analysis toward producing long-term data modelization and data-acquisition, as well as develop specific data acquisition strategies (**OREME; Air Quality research Unit**); production of information and knowledge to advise and alert decision makers of environmental and sustainable development challenges in the Mediterranean (**Plan Bleu**); to gather indicators on environment and sustainable development (**OTEDD**); to give an overview of the status of research through collecting and producing indicators (**ONST, LORDI & JoSTIO**); to create an integrated training and research program focusing on institutional and political transitions in the Arab world, and facilitate dialogue between scientists and policy-makers (**OTMA**); to disseminate information, on research activities, fund research, transfer information and technology for decision-makers, cooperation with other observatories, data-sharing and generating knowledge (**CNRST-Morocco; LORDI; JoSTIO**); the role of science for the development of our societies and for the promotion of peace in the world (**UNESCO Regional Bureau for Science and Culture in Venice**).
It can be seen that Observatories can all be located in a continuum of activities between data acquisition and management and policy-making recommendations. There is no general or shared exchange of data activities, mostly because data are linked to specific research designs.
- ✓ **Scope of Work:** ;
 - Scientific data production: OTEDD; Tubitak National Observatory; Air Quality Research Unit
 - Data clustering (metadata, portals, data aggregators): INCAM; LORDI; OREME; Plan bleu
 - Policy-oriented data analysis: Plan Bleu; OREME; OTMA; INCAM
 - Analysis oriented toward research and innovation policies: LORDI, JoSTIO, ONST, CNRST, OTMA.
- ✓ **Main Outputs:** Experience in data-sharing (**Tubitak National Observatory; OREME**); Metadata and data Catalogue, collaborative tools (**INCAM**)
- ✓ **Constraints & Needs:** Dispersion of databases and heterogeneity of data (**OREME**); problem of human resources qualified for data analysis (**ONST**); need for meetings on S&T indicators (**JoSTIO & LORDI**) and for sharing expertise and information (**Air Quality Research Unit**)

During this session, the participants exchanged on their practices, services and modalities for collecting data; highlighting the following main aspect on the difficulties and needs for data standards:

Ms. Jocelyne Gerard (Air Quality Research Unit) mentioned the need for developing Mediterranean partnerships in order to support a better standardization for data collection and networks; while **Dr. Arnaud Martin** (in charge of International Relations at OREME) stressed the importance for observatories to produce added-value information, with data certifications. Highlighting that structures that provide data are becoming numerous and sometimes are not institutional or belong to social networks. Consequently, large amounts of free data are disseminated on a large scale, accessible without any certification or standards.

In conclusion of this session, **Ms. Marinella Giannelli** highlighted some key areas addressed by participants:

- ✓ **Common overarching priorities and objectives** to support decision makers through a multi-disciplinary sustainable approach; monitoring S&T systems, and an overall objective to improve people's lives.
- ✓ A common **geographic scope** of the observatories; focusing on the Mediterranean.
- ✓ A diverse **thematic scope**, yet addressing different dimension of sustainable development
- ✓ **Diverse partnerships** with public sectors, universities and research center.
- ✓ **Data Analysis**: developing new data and indicators; supporting research for developing data, and harmonizing existing indicators.

3.3. Good Practices for Data Sharing and Use (Session 2)

The presentation addressed best practices for data sharing: metadata, data policies and databases; focusing on: homogenized data description, thesaurus, data access/friendly interface, data exchange rules, ISO norms & INSPIRE.

Ms. Laurence Fleury (Sedoo, OMP observatory) presented the case of Mistrals data portal which had to address a strong heterogeneity of data and the example of the RBV ("Réseau des Bassins Versants") Portal which is a meta-portal including a large number of different observatories around the world. These two different examples highlighted the importance of interoperability of data, which could be implemented through several actions:

- ✓ by integrating an existing portal and proceeding to the conversion of all datasets or
- ✓ by providing and sharing data with another organization and by agreeing on common standards.

In conclusion, **Ms. Fleury** stressed the importance of improving technical and specific skills for data management among staff of the observatories.

3.4. Infrastructures Programme under Horizon 2020 (Session 3)

The third session of the conference started by a presentation of international dimensions in the Research Infrastructures Programme under Horizon 2020 by **Mr. Jean-Pierre Caminade** (Infrastructures NCP – France), who highlighted the diversity of research infrastructures as "facilities, resources and services utilized by research communities to conduct research and foster innovation", including: knowledge-based resources, e-infrastructures, major scientific equipment and environmental networks. His presentation focused on collaborative opportunities within the future calls of HORIZON 2020, particularly the call dedicated to "**support to innovation, human resources, policy and international cooperation**" with the main objective of: "Facilitating the development of global research infrastructures and the cooperation of European RI with their non-European counterparts, ensuring their global interoperability and reach, and to pursue international agreements on the reciprocal use, openness or co-financing of infrastructures".

3.5. Open Discussion

The presentation was followed by an open discussion between all participants, moderated by **Ms. Aurélie Pancera** (Expert) to discuss on how MEDSPRING can contribute to increasing Euro-Mediterranean Observatory Cooperation through WP8, focusing on: the constraints and needs for regional cooperation, the possible actions to enhance regional cooperation, main thematic orientations, common denominators, trends and scenarios, training needs and collaboration proposals.

A brief summary of the discussion points follows:

- **Links between science and production of knowledge for decision makers**
Mr. Claudio Bogliotti stressed the importance that the production of knowledge needs to address main societal issues and end-users' needs, with particular focus on how observatories can build knowledge out of the scientific analysis of the collected data collected.
- Mr. Hugues Ravenel** discussed the importance of developing a pluridisciplinary approach, taking into account the societal issues when preparing "policy briefs". Indeed, policy briefs need to be policy

relevant but should allow some flexibility around the issues raised and avoid being too prescriptive. WP8, as an interface between science and society, can contribute to the analysis of the societal demand through the existing literature (Mediterranean Strategy on Sustainable Development for example).

Mr. Kiribiyik noted that maintaining the observation infrastructure and equipment (ex. Telescopes at Tubitak National Observatory) is also an important dimension for executing the proper work and producing information for decision-makers.

- **Establishment of a typology of Euro-Mediterranean observatories**

Dr. Driss Aboutajdine encouraged all participants to complete the first observatory survey conducted by WP8 of the MEDSPRING project, and advance towards a more comprehensive classification of observatories according to their common objectives and state of progress. He also encouraged the development of a clear road map to facilitate the cooperation between observatories, build database to serve clients and find a good use of data generated.

The necessity to update the mapping with the inputs of the presentations of the observatories during the meeting was suggested by **Mr. Omar Amawi** (JoSTIO) along with the preparation of a detailed typology.

Dr. Arvanitis suggested trying in the coming three months to add, with the support of all the participants, more observatories to the existing analysis and maybe to the final catalogue. He also added, the necessity to identify the types of collaboration and partnerships that could be enhanced and, thus, the importance of producing a digital portal for the observatories within MEDSPRING.

- **Strengthening cooperation by clustering the observatories**

The following main dimensions for strengthening networking and cooperation between Euro-Mediterranean observatories were raised, in order to tackle the diversity of Euro-Mediterranean Observatories:

- ✓ To base the next exchanges on the types of activities or “services” that could be exchanged (statistics, reports, databases, data...).
- ✓ To cluster the observatories according to specific topics and areas of action.

At the end of the afternoon, **Ms. Rula Atweh** presented the purpose and objective of the establishment of a Core Group of 2-3 observatories, working together to define the main common dimensions for networking and preparing the next networking event. **The Core Group of Euro-Mediterranean Observatories** was created with the following participants:

- ✓ OREME: Arnaud Martin
- ✓ MISTRALS: Etienne Ruellan
- ✓ Morocco (CNRST): Driss Aboutajdine

At the end of the meeting, **Ms. Atweh** acknowledged all participants for their active participation and proposed to share the minutes of the meeting for feedback and comments.

4. Conclusion

This meeting represented a first step for collaboration, and for developing an interactive and shared vision of the main issues to enhance regional cooperation between Euro-Mediterranean Observatories. The main objectives stated by the organizers were largely attained (discussion of the preliminary results of the survey, identification of different types of observatories, exchange on “best practices”) and a core group has been created to pursue the steps ahead of us.

Moreover, this meeting was also a regional opportunity for the observatories to meet and exchange on their practices, needs and regional cooperation modalities in order to develop a common knowledge of their diversity as well as their main common denominators in terms of needs, thematic scope, data analysis and end-users.

A preliminary roadmap of upcoming activities of WP8 has been drafted based on the discussions and meeting minutes. **(See Annex III – Preliminary Roadmap of Upcoming WP8 Activities)**

Annex I: List of participants



WP8 - Policy, Societal Challenges and Cooperation Observatory

1st Observatory Networking Meeting
December 19, 2013 (Paris, France)

Final List of Participants

| Name | Organization | Country | Email |
|----------------------|--|----------------------|--|
| Halil Kirbiyik | TUBITAK National Observatory | Turkey | halil.kirbiyik@tubitak.gov.tr |
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| Arbia Ben Othman | Observatoire National des Sciences et de la Technologie (ONST) | Tunisia | arbia.benothman@mes.rnu.tn |
| Etienne Ruellan | Mediterranean Integrated Studies at Regional And Local Scales (MISTRALS) | France (Toulouse) | Etienne.RUELLAN@cnrs-dir.fr |
| Amaud Lalo | CNRS Office for the Mediterranean | Malta | Amaud.LALO@cnrs-dir.fr |
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| Jocelyne Gerard | Air Quality Research Unit | Lebanon | jgerard@usj.edu.lb |
| Amaud Martin | Observatoire de Recherche Méditerranéen de l'Environnement (OREME) | France (Montpellier) | arnaudmartin.home@gmail.com |
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| Hugues Ravenel | PLAN BLEU | France (Nice) | hravenel@planbleu.org |
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Annex II: Programme of the Networking Meeting

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| 8:30 – 9:00 | Registration |
| 9:00 – 9:30 | <p>Welcome (IRD, CNRS-L, MedSpring Coordinator) Tour de Table (20 min)</p> |
| 9:30 – 10:00 | <p>Introductory Session: Moderator: Aurelia Riss</p> <ul style="list-style-type: none"> ➤ Brief outline of MED-SPRING with emphasis on the scope of the workshop (Claudio Bogliotti) ➤ MedSpring Work Package 8 on Policy, Societal Challenges and Cooperation Observatory. (Rula Atweh) ➤ Stocktaking of the ongoing Mapping of Observatories & Initial Survey Analysis (Rigas Arvanitis & Aurélie Riss) |
| 10:00 – 10:30 | Coffee Break |
| 10:30 – 12:30 | <p>Presentation of Observatories: Best Practices, Thematic Orientations & Areas of Interest, and Collaborative Experience (10 Minutes Each) Moderator: Marinella Giannelli</p> <ul style="list-style-type: none"> ➤ Observatoire de Recherche Méditerranéen de l'Environnement; OREME and Observatoire Libano-Français de l'Environnement; OLIFE (Arnaud Martin) ➤ Euro-Mediterranean Observatory on Agriculture; CIHEAM (Farah Oneissi) ➤ Tubitak National Observatory (Halil Kirbiyik) ➤ PLAN BLEU; Environment Observatory (Hugues Ravenel) ➤ Observatoire Tunisien de l'Environnement et du Développement Durable; OTEDD (Samir Kaabi) ➤ Observatoire National des Sciences et de la Technologie (Arbia Ben Othman) ➤ Air Quality Research Unit (Jocelyne Gerard) ➤ Jordan Science, Technology and Innovation Observatory; JoSTIO (Omar Amawi) ➤ Observatoire des Transitions dans le Monde Arabe; OTMA (Jean Yves Moissoner) ➤ CNRS; Morocco (Driss Aboutajdine) ➤ UNESCO Regional Bureau for Science and Culture for Europe; Venice (Mario Scalet) ➤ Lebanese Observaory for Research, Development and Innovation; LORDI & CNRS Database CNRS Databases (Rula Atweh & Aline Ghaya) ➤ INCAM Database: Improving National Assessment and Monitoring Capacitates for Integrated Environment and Coastal Ecosystem Management (Elise Noujeim) |

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| <p>14:30– 15:15</p> | <p>Best Practices for data sharing: metadata, data policies and databases. (Laurence Fleury, OMP Observatory)</p> |
| <p>15:15 – 17:00</p> <p>(Coffee Break at 16:00)</p> | <p>Roundtable/Open Discussion Moderator: Aurelie Pancera</p> <p><i>How can MEDSPRING contribute to increase Euro-Mediterranean Cooperation through WP8, building dialogue and synergies among relevant observatories</i></p> <p><u>Main Topics of the Discussion:</u></p> <ul style="list-style-type: none"> - Constraints & Needs for Regional Cooperation - Possible Actions to Enhance Regional Cooperation - Main Thematic Orientations / Common Denominators / Trends and Scenarios - Training Needs - Collaboration Proposals <p>Presentation of international issues in the Research Infrastructures Programme under Horizon 2020 (Jean-Pierre Caminade, Infrastructures NCP, MESR)</p> |
| <p>17:00 – 17:30</p> | <p>Definition of WP8 Roadmap & Next Collaborative Activities Moderator: Rigas Arvanitis & Rula Atweh</p> <ul style="list-style-type: none"> ➤ Roadmap ➤ Establishment of a Core Group (2-3 Persons/Observatories) for orienting future activities/analysis and logical framework. ➤ Networking & Training Events |

Annex III : Preliminary Roadmap of Upcoming WP8 Activities

Working in close collaboration with the Core Group identified.

1/ Observatories Survey

- Complete the mapping, classification and typology of observatories from the presentations and inputs of the 1st Networking meeting.
- Further disseminate the Observatories Survey among identified contacts and through participants contacts.

2/ Digital Portal (Objectives)

- To strengthen cooperation between observatories
- To give visibility of observatories for end-users & stakeholders; with particular focus on policy & decision makers

3/ Next Networking Meeting:

- Based on the classification and typology; to undertake a possible clustering of observatories (Main topics / societal challenges / types of Services) for the next networking meeting.
- Defining 2-3 main common dimensions and tools for further exploration as Best Practices
 - 1/ Data Sharing Modalities
 - 2/ Monitoring Modalities & indicators in the Med Societal challenges