



**Plan
Bleu**

"Climagine" expert meeting

Session 6. Working session about
the preparation of the 2
"Climagine" workshops

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Sophia-Antipolis, 13th March 2013



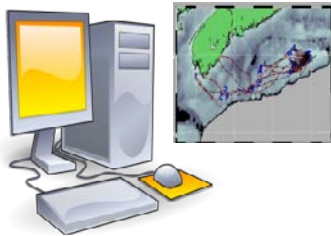
**PRESENTATION OF THE
TWO MAIN WORKSHOPS
OF CLIMAGINE. *"IMAGINE"*
ADAPTATION WITH
REFERENCE TO COASTAL
AND CVC ISSUES**

1



Objective of “Climagine” workshop 1, collection of:

- Dynamic data or « drivers »
(like regional SLR, temperature, population and GDP growth).
- Static data ranked by theme and variables
(for “land-use” → type of land use,
for “coastal protection” → Dike building costs per km).



Running of DIVA model



Objective of “Climagine” workshop 2:

- Discussion of results of DIVA model (scenario),
- Set the first priorities for an action plan.



With the combined methodologies (DIVA and “*Climagine*”) it will be possible to **evaluate the costs of potential damage and response actions for the scenarios.**

The outcomes of one approach will be valued as much as possible by the other one.

For instance:

- the scenarios built through PB/RAC’s participatory method (“*Climagine*”) will take into account the outcomes of PAP/RAC’s modelling (linkages between scenarios and associated damages and adaptation costs).

Through DIVA model, will be assessed:

1. the impacts of gradual climate change in terms of sea-level rise as well as of coastal flooding,
2. the impacts of current and future climate variability in terms of extreme weather events.

This combine method will be useful for the preparation of the regional development and ICZM plans and strategies and their respective public consultations.



"CLIMAGINE" WORKSHOP I

2



“**Climagine**” will be based on **two main workshops** merging the standard “**Imagine**” **four step processes**.

“**Climagine**” workshop I

Important prerequisite for WS I.

A list of stakeholders to attend the workshop and join the process has to be drafted before its implementation. They will form the local team.

Take into account that their relevancy regarding Climate Change and ICZM issues and the methodology for their selection has to be presented too.

The **1st workshop of “Climagine”** will merge the **first three Imagine’s steps**, knowing:

1. The analysis and understanding of the current socio-economic system,
2. The selection of an indicator core set,
3. The elaboration of contrasted scenarios of vulnerability and adaptation paths.



I- The analysis and understanding of the current socio-economic system.

On the basis of existing local studies, (territorial diagnosis, thematic/sectoral local studies, ...) the local team will be able to:

- define the main issues,
- discuss the first set of indicators,
- offer assumptions for scenarios.

The potentially interesting outputs of “*Climagine*” could be:

- a description of the socio-economic system and an analysis of the existing situation
- the identification of the main drivers and priority issues for action,

At this first stage of “*Climagine*”, DIVA could feed the workshop with its outputs such as a set of GIS maps.



2- The selection of an indicator core set.

For that, both methods (Indicators used in DIVA and those develop by "Climagine") could feed the work each other in indicators related to issues highlighted previously (on flooding, coastal erosion, salinity intrusion,... and their impacts on land-use and human activities).

Regarding indicators, be careful :

- About the lack of data to populate them (use RACER* method for their selection).

RACER is an evaluation framework applied to assess the value of scientific tools for use in policy making. RACER stands for:

Relevant – i.e. closely linked to the objectives to be reached

Accepted – e.g. by staff and stakeholders

Credible for non experts, unambiguous and easy to interpret

Easy to monitor (e.g. data collection should be possible at low cost)

Robust – e.g. against manipulation

*<http://www.sei.se/eipot/resources/EIPOT-RACER-evaluation-framework-final-07Oct08.pdf>



3- The elaboration of contrasted scenarios of vulnerability and adaptation paths.

Being based on participatory approach, “*Climagine*” allows to develop scenarios of adaptation to CC by the stakeholders involved, through discussion and using reference methodologies to built scenarios*.

Key points of a foresight approach (from Futuribles):

1. define subject and time horizon
2. identify key variables and their relationships
3. exploring the possible evolutions of key variables
4. build exploratory scenarios (using matrix: relationship between variable/assumptions)
5. explore desirable policy options

* Bibliography

- Hugues de Jouvenel, www.futuribles.com
- Michel Godet, du Conservatoire National des Arts et Métiers (CNAM), « Laboratoire d'Investigation en Prospective, Stratégie et Organisation »
- Foresight training: <https://sites.google.com/site/coursfcb/prospective>



“CLIMAGINE”
WORKSHOP 2

3



“Climagine” workshop II

The second “*Climagine*” workshop, on the basis of the DIVA outputs (maps and scenarios) after running the model, will be dedicated to:

- Show stakeholders what are the results of scenarios (especially maps)
- Think about possible recommendations to formulate,

The objectives of the final step will be the definition of scenarios illustrated by the results of DIVA.

From them some recommendations will be elaborate. In that way, the scientific results would be processed by the stakeholders involved.

The product after the 2 “*Climagine*” workshops is to provide first basis of a local coastal plan/programme.

It shall specify the orientations of the national strategy and implement it at an appropriate territorial level. It determines conditions for the allocation and use of the respective marine and land parts of coastal zones.



DISCUSSION ABOUT THE MATERIALS, MAIN ELEMENTS INHERENT TO THE CLIMAGINE WORKSHOP 1

3



“Understand the context” phase

Pre-requisite and materials:

1. Countries should help to build local team in giving the contact of the most relevant experts.
2. Mobilize local experts (national) pairs prospective "senior-junior"
3. Use reports / territorial diagnosis was a consensus within the community of stakeholders and identify priorities for action,
4. Types of data that could be exploited and modeled by the model: drafted a data-wish list.
5. Paperboard to draw "rich pictures"



« Selection of indicators based on issues » phase

1. Regarding the selection of indicators related to CVC. Setting a maximum limit of 15 indicators from the issues already selected and proposed by the representatives of CASE,
2. Work on the definition of sustainability thresholds (belt of sustainability) for each indicator.

Why this threshold? (derived from international standards, environmental studies, ...)

What is the acceptable / sustainable? It is a concept rather subjective, but territorial diagnosis should provide guidance.

“Scenario drawing” phase

1. The micro-scenarios could feed the macroeconomic scenario.
Stakeholders and the local team will define their scenarios.
2. Horizons: 2 time horizons will be useful: Medium 2030 and long term: 2050.
The chosen horizon depends on topic investigated, on human and financial resources allocated to drive this evaluation.



**THANK YOU FOR YOUR
ATTENTION**