



United Nations
Environment
Programme



UNEP(OCA)/MED WG.52/1
13 July 1992

Original: ENGLISH

MEDITERRANEAN ACTION PLAN

Second Meeting of the Task Team on
Implications of Climatic Changes
on Cres-Lošinj Islands

Rijeka, 4 May 1992

**REPORT
OF THE SECOND MEETING OF THE TASK TEAM ON
IMPLICATIONS OF CLIMATIC CHANGES ON CRES/LOSINJ ISLANDS**

UNEP
Athens, 1992

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REPORT OF THE MEETING

Opening of the meeting - Agenda item 1

The meeting was held at the Office of the Adriatic of the Croatian Ministry of Environment, Physical Planning and Housing on 4 May 1992.

The meeting was opened by Mr A. Randić Head of the Office, who welcomed the participants and registered the presence of the Task Team Members, with special acknowledgment of the presence of the External Task Team Member, Dr Stjepan Kečkeš. The List of Participants is presented as Annex I to this report.

Election of Officers - Agenda Item 2

The meeting unanimously elected Mr A. Randić as Chairman, and Ms G. Dorčić and Ms N. Kozelić as Rapporteurs of the meeting.

Adoption of the Agenda - Agenda Item 3

The provisional agenda was adopted and is presented as Annex II to this report.

Overview of the first outline of individual substantive sections - Agenda Item 4

Mr A. Randić stated that, in accordance with the Workplan and Time-table, the first outline of individual sections had been prepared in writing by the appointed Task Team Members, distributed to others, and that he had opened discussions on each of them item by item.

All the participants were involved in contributing to the common task by their remarks, suggestions and further re-allocation of individual sections, so as to continue the activities on Point 2 of the Outline of the Final Report.

Preparation of extended versions of substantive sections - Agenda item 5

Based on the above remarks and suggestions, the following guidelines were given for eventual changes and further activities:

Climate conditions (Outline of the Report 2.1) - Agenda Item 5.1.

The first outline of the section, which consists of scientific climate research, will have to contain additional information on trends (e.g. the Crikvenica station monitoring results) producing a scenario on temperature and precipitation changes with special accent on the extremes in climate phenomena, so that the climate conditions study becomes not the goal but an introductory parameter for other sections to use as fundamental. Those fundamentals are to follow the Report from Working Group I to IPCC. Also, "Temperature and Precipitation Scenarios for the Northern Adriatic" (University of East Anglia, April 1992) are to be followed. Responsible: Mr K. Pandžić

Lithosphere and Hydrosphere (2.2 and 2.3) - Agenda Item 5.2.

To be continued as proposed by the responsible, Mr B. Biondić

Atmosphere (2.4) - Agenda Item 5.3.

The atmosphere and the airborne pollution will have to be elaborated in close cooperation with the experts and the institutions who have been dealing with those problems in the region, that is: the Rijeka and Pula Health Institutes, the Zagreb University Medical Institute, the Republican Hydrometeorological Institute - monitoring around Plomin having been discontinued, etc. Responsible: Ms S. Vidiæin cooperation with the Office for the Adriatic.

Natural Ecosystems (2.5) - Agenda Item 5.4

Sub-item *Terrestrial Ecosystems* (2.5.1) will have to be further subdivided according to the flora, fauna, endemic and other biodiversities, including freshwater fish (fauna) in the Vrana Lake (2.5.2). Responsible: Mr E. Draganoviæin consultation with the Office for the Adriatic and other experts.

Sub-item *Freshwater Ecosystems* (2.5.2) to be continued as proposed by the responsible, Mr B. Biondiæ and will exclude the above mentioned "fauna" component, elaborating the system to the point of "water distribution" which will be dealt with under item 2.10 - Sanitation sub-item.

Sub-item *Marine Ecosystems* (2.5.3) will be prepared in total by the oceanographic experts and institutions (thus excluded from the above item 2.1). Responsible: Mr N. Smodlaka.

Managed Ecosystems (2.6) - Agenda Item 5.5

Sub-item *Agriculture* (2.6) will be elaborated by the local and other experts. Responsible: The Island Development Centre at Mali Lošinj and the local authorities with the existing expertise.

Sub-item *Fisheries* and *Aquaculture* (2.6.2 and 2.6.3) will be prepared in close cooperation with those responsible: Mr D. Balenoviæ and Mr N. Smodlaka.

Sub-item *Sylviculture* (2.6.4) will be further elaborated as proposed. Responsible: Mr M. Rukavina, Nature Protection Department of the Ministry.

Energy and Industry (2.7) - Agenda Item 5.6

This will be elaborated as much as comparatively relevant. Responsible: Ms M. Mastroviæ

Tourism and Transport and Services (2.8 and 2.9) - Agenda Item 5.7

Both sections will be elaborated by the authors of the Archipelago Physical Plan in cooperation with local expertise. Responsible: Mr M. Salaj, that is Mr R. Cimerman and Mr T. Kneziæ in cooperation with the local Authorities.

Health and Sanitation (2.10) - Agenda Item 5.8

Sub-item *Health* will be dealt with by the Office for the Adriatic in cooperation with the Regional Health Protection Institutes of Rijeka and Pula, as well as with the local medical experts.

Sub-item *Sanitation* will include water supply, waste waters, solid waste, etc. Responsible: Ms M. Mastroviæ

Population and Settlement Pattern (2.11) - Agenda Item 5.9

This item will have to be subdivided into:

(a) Settlement Pattern and Population as a demographic feature - to be elaborated by the authors of the Physical Plan. Responsible: Mr M. Salaj, that is Mr R. Cimerman and Mr T. Kneziæ in cooperation with the Island Development Centre and the local Authorities;

(b) Population, as the proposed sociologic study, including public involvement and education by way of an instructive public survey (questionnaire) - to be modified and combined with other projects under way concerning the Archipelago.

Guiding points for the objectives - Agenda Item 6

In order to give more precise guidelines to the experts involved, so as to achieve the most useful objectives, Annex IV of the Report of the First Task Team Meeting (March 1992) was discussed in detail; the relevant authors were given specific tasks to deal with, and the objectives to achieve according to the patterns (directions) stated on pages 16 to 22 of the mentioned Annex IV.

Common instructions - Agenda Item 7

It was pointed out that the time limits and other issues to be taken into account for climatic changes estimates (the year 2050, taking into consideration the year 2100, etc.) are to follow Annex VII of the First Task Team Report (March 1992).

Therefrom, the existing state will have to be elaborated to an extent, restricted to not more than one third of each report, while the major part of the papers is to contain estimates of the expected changes and their implications, as well as the proposals for those to be diminished or avoided.

Accordingly, it is essential to concentrate on the future by way of further continuous inter-disciplinary work of all those involved, especially during the elaboration of the synthesis.

The scale of all the working maps will be 1:25 000.

The Report from Working Group II to IPCC is being distributed to all the experts engaged.

The responsible section authors are to prepare extended versions of substantive section reports in English until July 1992, and submit them by August 1992.

Conclusion and closure of the meeting - Agenda item 8

In his closing remarks, Mr A. Randiæ with the approval of the present members, concluded that the technical foundations were set up by the Second Task Team Meeting for further work on Point 2 of the Outline of the Report; those most indicative ones already noted for Point 3 *Synthesis and Findings* by Ms G. Dorèiæ

The Report of this meeting will be prepared in English, while a Memorandum with instructions in Croatian will be forwarded immediately to all those involved.

An exchange of thanks and courtesies followed, after which the Chairman closed the meeting on 4 May 1992.

ANNEX I

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ANNEX II

AGENDA

1. Opening of the meeting
2. Election of officers
3. Adoption of the agenda
4. Overview of the first outline of individual substantive sections
5. Preparation of extended versions of substantive sections
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 - 5.2 Lithosphere and Hydrosphere
 - 5.3 Atmosphere
 - 5.4 Natural Ecosystems
 - 5.5 Managed Ecosystems
 - 5.6 Energy and Industry
 - 5.7 Tourism and Transport and Services
 - 5.8 Health and Sanitation
 - 5.9 Population and Settlement Pattern
6. Guiding points for the objectives
7. Common instructions
8. Conclusion and closure of the meeting