



EUROPEAN COMMISSION  
RESEARCH DIRECTORATE-GENERAL  
Directorate B: European Research Area: structural aspects

**COST**



12 September 2002

# **DRAFT MINUTES OF THE FIFTH MANAGEMENT COMMITTEE MEETING OF COST ACTION 718**

## **‘METEOROLOGICAL APPLICATIONS FOR AGRICULTURE’**

**Ponta Delgada, Portugal, 17-18 May 2002**



## 1. WELCOME TO PARTICIPANTS

The 5<sup>th</sup> MC meeting of the Action was held in Ponta Delgada in Hotel Atlantico. Ms. Luisa Senos, the local Representative of Portugal Meteorological Service welcomed the delegates on behalf of the director of PMS together with Regional State Secretary of Agriculture. The chairman of COST 718 Mr. G. Maracchi also welcomed the participants and asked those who came first time to the MC to introduce themselves. The list of National Delegates is given in **Annex 1**. The copy of the attendance list is given in **Annex 2**.

## 2. ADOPTION OF THE AGENDA

**MCM4/D1** The draft agenda without any change was adopted unanimously.

The agenda is given in **Annex 3**.

## 3. APPROVAL OF THE MINUTES 3<sup>RD</sup> MCM

**MCM4/D2** The Draft Minutes of the 4<sup>th</sup> MCM were approved unanimously.

## 4. REVIEW OF THE DECISIONS OF 3<sup>RD</sup> MCM

No amendments or changes were risen to the 4<sup>th</sup> MC Decision.

## 5. STATUS OF THE ACTION

Mr. Nejedlik presented the status of the Action 718. 21 countries participate to the Action with no change in the duration. The status of all Meteorological Domain Actions is in **Annex 4**.

## 6. APPLICATION OF NEW COUNTRIES

No new application has been submitted.

## 7. BUDGET

Mr. Nejedlik described the status of the budget with a review of new rules, which have been applied to the Action budget management. The COST 718 was allocated 77432 EURO for 2002. It is 14 % rise to 2001 allocation. This sum must be kept as the limit for 2002.

## 8. REPORT OF WG'S CHAIRS

WG chairmen presented the summary reports, which covered the activities being done within the particular WG. The reports are in **Annexes 5-7**.

## 9. OVERALL TIME TABLE –DISCUSSION ABOUT THE NEXT ACTIVITIES

The time tables to the particular projects are in the WGs reports.

## 10. COST-718 WEB SITE

Ms. ROSSI presented the new developments on the web side. The readers can find the relevant information of the COST Action 718 on the web side.

The web side address is <http://agromet-cost.istea.bo.cnr.it/>.

11. STUDY CONTRACTS

Taking into consideration the budgetary problem the COST Commission Secretariat does not support any further study contract application.

12. SHORT TERM SCIENTIFIC MISSION

The STSM contract was prolonged to the end of 2002 so that new missions can be arranged.

13. REPORT OF THE MC TO THE TC ON METEOROLOGY

Mr. MARACCHI will prepare the activity report of the Action 718 to the next TC which will be held in November in Lisbon. This report will be discussed at Expert meeting in Ljubljana in October 2002.

14. REPORT ABOUT THE CO-OPERATION WITH GIS INTERESTED ACTION

Mr. DOBESCH, the Chairman of Action 719, GIS gave the presentation about ongoing activities in Action 719. Prof. MARACCHI mentioned that the co-operation with COST718 started at formal level by finding close interests but no practical interpretation has been performed in the particular WG.

15. PREPARATION FOR FORTHCOMING CONFERENCES

Mr. Sivakumar remembered the 13<sup>th</sup> conference of CAgM, which will be held in Ljubljana on 10-18 October 2002. Some of the participants will be presented there. No more item was discussed under this point.

16. ANY OTHER BUSINESS

The WMO delegate Mr. Sivakumar informed the participants about the WMO activity in establishing international agrometeorological service on new Web Servers. The Web Server will cumulate the products of agrometeorological services around the world. First aim is to collect and make accessible national and regional Agrometeorological bulletins. But much more agrometeorological products will be available via this server including methods of observations, standard products informing about the draught, some standard calculations etc. The basic server will be secured with the mirror server and all the countries are encouraged to post their products to this service. The probable start of the server is in June 2003.

Mr. Sivakumar also informed the participants about the creation of International Society for Agricultural Meteorology (INSAM). He mentioned that just about 300 out of around 5000 agrometeorologist are in contact with CagM. The general information around INSAM is available at : <http://www.agrometeorology.org/>

17. DATE AND PLACE OF THE NEXT MEETING

As the budget for 2002 does not allow to arrange full MC+WGs meeting, one WG and one Expert meeting will be arranged..

**MCM4/D3** An expert meeting of the MC and WGs chairpersons will be held in Ljubljana, Slovenia in October 2002.

**MCM4/D4** WG3 will hold the meeting in Tjelje, Denmark in October 2002.

According to the CSO regulation which put the moratorium on the meetings during the first five months of 2003 the date and place of the meeting will be decided later.

#### 18. SUMMARY OF THE ACTIVITIES OF THE COST ACTION 718

The summaries of the activities are given in the WG reports and work plans. The short information is available in the chairman's report in details on the web page of the Action.

#### 19. CLOSURE OF THE MEETING

The chairmen, Mr. G. MARACCHI expressed his thank the participants for their active work and the host for the organization the meeting and closed the meeting.

### **LIST OF ANNEXES**

- Annex 1** List of National Delegates
- Annex 2** Copy of attendance list (in paper)
- Annex 3** Agenda
- Annex 4** Status of the Action in Meteorology domain
- Annex 5** WG1 Report
- Annex 6** WG2 Report
- Annex 7** WG3 report

### **LIST OF DECISIONS**

**MCM4/D1** The draft agenda without any change was adopted unanimously.

**MCM4/D2** The Draft Minutes of the 4<sup>th</sup> MCM were approved unanimously.

**MCM4/D3** An expert meeting of the MC and WGs chairpersons will be held in Ljubljana, Slovenia in October 2002.

**MCM4/D4** WG3 will hold the meeting in Tjelje, Denmark in October 2002.

## Annex 1

**LIST OF NATIONAL DELEGATES  
COST ACTION 718**

**'Meteorological Applications for Agriculture'**

Chairperson ITALY	Mr. Giampiero MARACCHI IATA-CNR Piazzale delle Cascine 18 I-50144 FIRENZE	Tel.: +39-055- 354895 Fax: +39-055-350833 Mobil: 335439286 E-mail: <i>maracchi@sunserver.iata.fi.cnr.it</i>
Vice- chairperson GREECE	Mr. Nicolas R. DALEZIOS Department of Agriculture University of Thessaly Fytoko, N. Ionia G-38446 VOLOS	Tel.: +30-421-93022, - 93242 Fax: +30-421-93245, -9325 E-mail: <i>dalezios@uth.gr</i>
AUSTRIA	Mr. Hartwig DOBESCH Zentralanstalt für Meteorologie und Geodynamik Hohe Warte 38 A-1190 VIENNA	Tel.: Fax: +43-1-3602672 E-mail: <i>dobesch@zamg.ac.at</i>
	Mr. Josef EITZINGER Institut für Meteorologie und Physik der Universität für Bodenkultur Türkenschanzstraße 18 A-1180 VIENNA	Tel.: Fax: +43-1-470582060 E-mail: <i>josef.eitzinger@mail.boku.ac.at</i> <i>sepp@tornado.ac.at</i>
BELGIUM	Mr. Robert OGER Centre de Recherches agronomiques Biometrie, Gestion des donnees et Agrometeorologie Rue de Liroux 9 B-5030 GEMBLoux	Tel.: +32-81-626574 Fax: +32-81-626569 E-mail: <i>oger@cragx.fgov.be</i>
	Mr. Piet CREEMERS Dienst Mycologie De Brede Akker 13 B-3800 SINT-TRUIDEN	Tel.: +32-11-586960 Fax: +32-81-674318 E-mail: <i>piet.creemers@pandora.be</i>
BULGARIA	Mr. Valentin KAZANDJIEV Department of Agrometeorology National Institute of Meteorology Hydrology 66 Tzarigradsko shose Blvd. BG-1784 SOFIA	Tel.: +359-2- 9753986/444 Fax: +359-2-9884494 E-mail: <i>valentin.kazandjiev@meteo.bg</i>

	Mr. Nicola SLAVOV Agrometeorological Section National Institute of Meteorology Hydrology 66 Tzarigradsko shose Blvd. BG-1784 SOFIA	Tel.: +359-2- 9753986 Fax: +359-2-9884494 E-mail: <i>nicola.slavov@meteo.bg</i>
CYPRUS	Mr. Stelios PASHIARDIS Meteorological Service CY-1418 NICOSIA	Tel.: +357-2-802911 Fax: +357-2-305500 E-mail: <i>roc-mete@cytanet.com.cy</i>
	Mr. Charalambos PANAYIOTOU Atlantis Consulting Myrtiana Court 6 14 Strovolos Avenue Avlonos 1 CY-2011 NICOSIA	Tel.: +357-2-767414 Fax: +357-2-767706 E-mail: <i>atlantis@logos.cy.net</i>
DENMARK	Mr. Iver THYSEN Informatics and Agrometeorological Unit Dept. of Agricultural Systems Danish Institute of Agricultural Sciences Research Centre Foulum PO Box 50 DK-8830 TJELE	Tel.: +45-89-991665 Fax: +45-89-991200 E-mail: <i>iver.thyssen@agrsci.dk</i>
	Mr. Michael STEFFENSEN Weather Service <i>Danish Meteorological Institute – DMI</i> Lyngbyvej 100 DK-2100 KØBENHAVN	Tel.: +45-39-157267 Fax: +45-39-270684 E-mail: <i>mist@dm.dk</i>
FINLAND	Mr. Ari VENÄLÄINEN Finnish Meteorological Institute Meteorological Research PO Box 503 FIN-00101 HELSINKI	Tel.: +358-9- 19294142 Fax: +358-9-19294129 E-mail: <i>ari.venalainen@fmi.fi</i>
	Mr. Tapio SALO Agricultural Research Centre Environmental Research, Soil and Environment FIN-31600 JOKIOINEN	Tel.: +358-3- 41882420 Fax: +358-3-41882437 E-mail: <i>tapio.salo@mtt.fi</i>
FRANCE	Mr. Bernard Seguin Chef de département-adjoint Environnement et Agronomie INRA Site Agroparc, domaine St- Paul F-84914 AVIGNON Cedex 9	Tel.: +33-04- 32722307 Fax: +33-04-32722282 E-mail: <i>seguin@avignon.inra.fr</i>

Ms. Victorine PERARNAUD  
 DP/SERV/AGRO  
 Direction de la Production  
 42, avenue Gaspard Coriolis  
 F-31057 TOULOUSE Cedex

Tel.: +33-05-61078381  
 Fax: +33-05-61078079  
 E-mail: *victorine.perarnaud@meteo.fr*

Mr. Philippe FRAYSSINET  
 SCEM/SERV  
 Direction de la Production  
 42, avenue Gaspard Coriolis  
 F-31057 TOULOUSE Cedex

Tel.: +33-05-61078091  
 Fax: +33-05-61078079  
 E-mail: *philippe.frayssinet@meteo.fr*

## GERMANY

Mr. Hans FRIESLAND  
 Deutscher Wetterdienst  
 Agrarmeteorologische Forschung  
 Bundesallee 50  
 D-38116 BRAUNSCHWEIG

Tel.: +49-531-2520541  
 Fax: +49-531-2520545  
 E-mail: *hans.friesland@dwd.de*

Mr. Franz-Josef LÖPMEIER  
 Agrarmeteorologische Forschung  
 Bundesalle 50  
 D-38116 BRAUNSCHWEIG

Tel.: +49-531-2520520  
 Fax: +49-531-2520545  
 E-mail: *franz-josef.loepmeier@dwd.de*

Second delegate:  
 Mr. Kurt Christian KERSEBAUM  
 Institut für Landschaftssystemanalyse  
 Zentrum für Agrarlandschafts-und  
 Landnutzungsforschung (ZALF) e.V  
 Eberswalder Strasse 84 D  
 D-15374 MÜNCHEBERG

Tel.: +49-33432-82394  
 Fax: +49-33432-82334  
 E-mail: *ckersebaum@zalf.de*

## GREECE

Ms. Georgia ZERVA  
 National Agricultural Research  
 Foundation (NAGREF)  
 Theofrastou str., 1  
 GR-41335 LARISSA

Tel.: +30-41-660570  
 Fax: +30-41-660571  
 E-mail: *iscml@bee.gr*

Mr. Leonidas TOULIOS  
 National Agricultural Research  
 Foundation  
 (NAGREF)  
 Theofrastou str. 1  
 GR-41335 LARISSA

Tel.: +30-41-660570  
 Fax: +30-41-660571  
 E-mail: *nagref@lar.forthnet.gr*

Mr. Christos DOMENIKIOTIS  
 Lab. of Agrometeorology  
 Dept. of Agriculture  
 University of Thessaly  
 Fytoko, N. Ionia  
 G-38446 VOLOS

Tel.: +30-421-093261  
 Fax: +30-421-093253  
 E-mail: *cdomen@uth.gr*



HUNGARY	<p>Mr. László TOKEI Szent István University Kertészettudományi Kar Talajtan és Vizgazdálkodási Tanszék PO Box 53 H-1518 BUDAPEST</p> <p>Mr. Zoltan DUNKEL OMSZ Hungarian Meteorological Service Budapest PO Box 38 H-1525 Hungary</p>	<p>Tel.: +36-1-3726272 Fax: +36-1-3726336 E-mail: <i>ltokei@omega.kee.hu</i></p> <p>Tel.: +36-1-3464664 Fax: +36-1-3464665 E-mail: <i>dunkel.z@met.hu</i></p>
IRELAND	<p>Mr. Nicholas M. HOLDEN Department of Agricultural and Food Engineering University College Dublin Earlsfort Terrace DUBLIN 2</p>	<p>Tel.: +353-1- 7167460 Fax: +353-1-4752119 E-mail: <i>nick.holden@ucd.ie</i></p>
ITALY	<p>Ms. Federica ROSSI CNR Inst.Ecofisiologia Piante Arboree da Frutto via P. Gobetti 101 I-40129 BOLOGNA</p> <p>Mr. Simone ORLANDINI Dept. of Agronomy and Land Management University of Florence Piazzale delle Cascine 18 I-50144 FIRENZE</p> <p>Mr. Stefano DIETRICH Ist. Scienze dell' atmosfera e dell' clima ISAC-CNR) Via Fesso del cavaliere, 100 I-00133 ROMA</p>	<p>Tel.: +39-051- 6399007 Fax: +39-051-6399024 E-mail: <i>rossi@istea.bo.cnr.it</i></p> <p>Tel.: +39-055- 3288257 Fax: +39-055-332472 E-mail: <i>SIMONE.ORLANDINI@unifi.it</i></p> <p>Tel.: +39-06- 49934854 Fax: +39-06- E-mail: <i>S.Dietrich@isec.cnr.it</i></p>
The NETHERLANDS	<p>Mr. Joop G. KROES <i>ALTERRA</i> PO Box 47 NL-6700 AA WAGENINGEN</p> <p>Mr. Cornelis van DIEPEN <i>ALTERRA</i> Department of Soil and Land Use PO Box 47 NL-6700 AA WAGENINGEN</p>	<p>Tel.: +31-317-474372 Fax: +31-317-419000 E-mail:<i>j.g.kroes@alterra.wag-ur.nl</i></p> <p>Tel.: +31-317- 474230 Fax: +31-317-41900 E-mail: <i>C.A.vanDiepen@Alterra.wag-ur.nl</i></p>

	Mr. Adrie F.G. JACOBS Wageningen University Dept. Meteorology and Air Quality Duvendaal 2 NL-6701 AP WAGENINGEN	Tel.: +31-317- 483821 Fax: +31-317-482811 E-mail: <i>adrie.jacobs@user.metair.wau.nl</i>
NORWAY	Ms. Annette FOLKEDAL The Norwegian Crop Research Institute Høgskoleveien 7 N-1432 ÅS	Tel.: +47-6494-9342 Fax: +47-6494-9226 E-mail: <i>annette.folkedal@planteforsk.no</i>
	Mr. Halvard HOLE The Norwegian Crop Research Institute Høgskoleveien 7 N-1432 ÅS	Tel.: +47-6494-9310 Fax: +47-6494-9226 E-mail: <i>HALVARD.HOLE@planteforsk.no</i>
	Mr. Tor Håkon SIVERTSEN The Norwegian Crop Research Institute Høgskoleveien 7 N-1432 ÅS	Tel.: +47-64-949308 Fax: +47-64-949226 E-mail: <i>tor.sivertsen@planteforsk.no</i>
POLAND	Ms. Malgorzata KEPINSKA-KASPRZAK Institute of Meteorology and Water Management Poznan Branch 174/176, Dabrowskiego str. PL-60-594 POZNAŃ	Tel.: +48-61- 8495170 Fax: +48-61-8415440 E-mail: <i>dyr_imgw@rose.man.poznan.pl</i>
	Mr. Piotr STRUZIK Institute of Meteorology and Water Management Satellite Research Department P. Borowego St. 14 PL-30-215 KRAKOW	Tel.: +48-12- 6398125 Fax: +48-12-4251973 E-mail: <i>piotr_struzik@imgw.pl</i>
PORTUGAL	Mr. António PERDIGÃO IHERA - DCIG Av. Afonso Costa 3 PT-1949-002 LISBOA	Tel.: +351-21- 8442381 Fax: +351-21-8442411 E-mail: <i>perdigao@ihera.min- agricultura.pt</i>
	Ms. Isabel GOMES Instituto de Meteorologia Av. C do Aeroporto PT-1749-077 LISBOA	Tel.: +351-21- 8483961 Fax: +351-21-8402370 E-mail: <i>isabel.gomes@meteo.pt</i>

ROMANIA	Ms. Adriana MARICA National Institute of Meteorology and Hydrology Sos. Bucuresti-Ploiesti 97 RO-71552 BUCHAREST	Tel.: +401-2303116 Fax: +401-2303143 E-mail: <i>adriana_marica@yahoo.com</i>
	Mr. Gheorge STANCALIE National Institute of Meteorology and Hydrology Sos. Bucuresti-Ploiesti 97 RO-71552 BUCHAREST	Tel.: +401-2303116 Fax: +401-2303143 E-mail: <i>george@meteo.inmh.ro</i>
SLOVAKIA	Ms. Olga BRASLAVSKÁ Slovak Hydrometeorological Institut Zelená 5 SK-97590 BANSKÁ BYSTRICA	Tel.: +421-88- 4138691 Fax: +421-88-4138545 E-mail: <i>olga.braslavska@mail.shmu.sk</i>
SLOVENIA	Ms. Lucka KAJFEŽ-BOGATAJ University of Ljubljana Agronomy Department Jamnikarjeva 101 SI-1000 LJUBLJANA	Tel.: +386-01- 4231161 Fax: +386-01-4233190 E-mail: <i>lucka.kajfez.bogataj@bf.uni-lj.si</i>
	Mr. Andrej HOCEVAR Private Researcher Pod Topoli 82 SI-1000 LJUBLJANA	Tel.: +386-01- 2833277 +386-01-4231161 Fax: +386-01-4231088 E-mail: <i>andrej.hocevar@bf.uni-lj.si</i>
	Ms. Andreja SUSNIK Ministry of the Environment and Spatial Planning Environmental Agency of the Rep. Slovenia Vojkova 1B SI-1000 LJUBLJANA	Tel.: +386-01- 4784073 Fax: +386-01-4784052 E-mail: <i>andreja.susnik@rzs-hm.si</i>
SPAIN	Ms. Inés MINGUEZ Universidad Politécnica de Madrid ETSI Agrónomos. Depto Producción Vegetal Technical University of Madrid Ciudad Universitaria, s/n E-28040 MADRID	Tel.: +34-91- 5491122 Fax: +34-91-5449983 E-mail: <i>iminguez@pvf.etsia.upm.es</i>
	Mr. Antonio MESTRE BARCELO Ministerio de Medio Ambiente Insntituto Nacional de Meteorologi Camino de las Moreras s/n Ciudad Universitaria E-28071 MADRID	Tel.: +34-91- 5819870 Fax: +34-91-5445823 E-mail: <i>amestre@inm.es</i>

	Mr. Federico SAUSAU Universidad de Santiago de Compostela Escuela Politécnica Superior Campus Universitario E-27002 LUGO	Tel.: +34-982- 252303 Fax: +34-982-241835 E-mail: <i>fsausau@lugo.usc.es</i>
SWEDEN	Mr. Roland SIGVALD Sveriges Landbruksuniversitet (SI Institutionen för Ekologi och växtproduktionslära Box 7043 S-75007 UPPSALA	Tel.: +46-18-672366 Fax: +46-18-672890 E-mail: <i>roland.sigvald@evp.slu.se</i>
	Mr. Jonathan YUEN Sveriges Landbruksuniversitet (SI Institutionen för Ekologi och växtproduktionslära Box 7043 S-75007 UPPSALA	Tel.: +46-18-672369 Fax: +46-18-672890 E-mail: <i>jonathan.yuen@evp.slu.se</i>
UNITED KINGDOM	Mr. Mark DANSON Telford Institute of Environmental Systems Division of Geography University of Salford MANCHESTER M5 4WT	Tel.: +44-161- 2954038 Fax: +44-161-2955015 E-mail: <i>f.m.danson@salford.ac.uk</i>
Representative o TC METEOROLOGY	Mr. Denis L. FITZGERALD Research and Applications Division Met Eireann, Irish Meteorological Service Glasnevin Hill, DUBLIN 9, IRELAND	Tel.: +353-1-806 4204 Fax +353-1-806 4247 E-mail: <i>denis.fitzgerald@met.ie</i>
SUGRA-ENV FRANCE	Mr. Derk RIJKS Agrometeorological Applications Associates BP 102 F-01213 FERNEY-VOLTAIRE Cedex	Tel.: +33-450- 408841 Fax: +33-450-408842 E-mail: <i>rijks.agrometeo@wanadoo.fr</i>
WORLD METEOROLOGICAL ORGANIZATION SWITZERLAND	Mr. M.V.K. SIVAKUMAR Agricultural Meteorology Division World Meteorological Organization Ibis, Avenue de la Paix CH-1211 GENEVA 2	Tel.: +41-22- 7308380 Fax: +41-22-7308042 E-mail: <i>sivakumar_m@gateway.wmo.ch</i>
UN FOOD AND AGRICULTURE ORGANIZATION	Mr. Rene GOMMES SDRN UN Food and Agriculture Organizat Via delle terme di Caracalla I-00100 ROME	Tel.: + Fax: + E-mail: <i>rene.gommes@fao.org</i>

JRC - ISPRA	Mr. Jean-Michel TERRES JRC - Ispra TP 262 - Agriculture and Regional Information System unit I-21020 ISPRA (VA) ITALY	Tel.: +39-0332-785254 Fax: +39-0332-789936 E-mail: <i>jean-michel.terres@jrc.it</i>
SECRETARY	Mr. Pavol NEJEDLIK DG RESEARCH B Rue de la Loi, 200, SDME B7 3/50 B-1049 BRUSSELS	Tel.: +32-2-2965169 Fax: +32-2-2964289 E-mail: <i>Pavol.NEJEDLIK@cec.eu.int</i>

Annex 3

**D R A F T   A G E N D A**  
**C O S T   A C T I O N   7 1 8**  
 “Meteorological Applications for Agriculture”

**<sup>5</sup>th MANAGEMENT COMMITTEE MEETING**

Place of the Meeting:  
 Hotel Atlantico, Sao Miguel  
 Ponta Delgada, Portugal

Time Schedule:  
 MCM Thursday 16 May 2002, 9:00 am – 12:00 pm, Friday 17 May 2002, 1:00 pm – 5:00 pm

1. Welcome to participants	Maracchi
2. Adoption of agenda	All
3. Approval of the minutes 4 <sup>th</sup> MCM	All
4. Review of the decisions of 4 <sup>th</sup> MCM	Maracchi
5. Status of the Action	Nejedlik
6. Application of new countries	Maracchi
7. Budget	Maracchi, Nejedlik
8. Report of WG’s chairs	Maestre, Bogotaj, Hocevar
9. Overall time table - Discussion about the next activities	All
10. COST-718 web site	Rossi
11. Study contracts	Maracchi
12. Short term scientific mission	Maracchi
13. Report of the MC to the TC on Meteorology	Maracchi
14. Report about the co-operation with GIS interested Action	Dobesch, Maracchi
15. Preparation for forthcoming conferences	Maracchi, all
16. Any other business	All
17. Date and place of the next meeting	All
18. Summary of the activities of the COST Action 718	Maracchi, Dalezios
19. Closure of the meeting	

## Annex 4

## STATUS OF COST METEOROLOGY ACTIONS

### 22 APRIL 2002

	715	716	717	718	719	720	722	723
Draft M.o.U.			208/99		287/00	288/00		
M.o.U.	258/98	223/98		256/99	303/00			323/01
into force	16-9-98	16-9-98	1-3s-99	15-11-99	6-10-00	4-10-00	3-10-01	
First MCM					1-2-01	2-2-01	30-11-01	
End of action	15-9-03	15-9-03	28-2-04	14-11-04	5-10-05	3-10-05	30-11-06	
prolongation								
CSO approval	16-4-98	8-1-98	15-10-98	27-5-99	29-6-00	29-6-00	7-6-01	13-12-01
Austria	10-9-98	20-1-99	17-2-99	8-12-99	17-1-01	17-1-01	24-10-01	
Belgium	7-10-98	4-3s-99	30-3-99	8-12-99	21-11-01			
Bulgaria	20-10-00			22-5-01			18-1-02	
Croatia								
Cyprus			25-4-00	14-1-00	27-10-00		11-10-01	
Czech Rep.	17-9-98	7-2-01	27-3-01					
Denmark	10-9-98	7-10-98	17-2-99	10-11-99			3-10-01	06-03-02
Estonia								
F.R.Y.								
Finland	30-9-98	10-9-98	10-3-99	10-11-99	26-10-00	4-10-00	24-10-01	
France	30-3-99	30-3-99	30-3-99		13-9-01	11-1-01		(22-04-02)
Germany	16-9-98	7-10-98	9-4-99	24-5-00	4-10-00	4-10-00	26-9-01	06-03-02
Greece	30-9-98		24-3-99	15-3-00	3-4-01	6-12-00		06-03-02
Hungary	27-11-98	25-9-98	7-10-99	7-12-99	23-3-01		25-9-01	
Iceland								
Ireland	2-3-00		2-6-99	26-1-00				
Israel								
Italy	5-5-99	1-10-98	1-3s-99	15-11-99	8-10-01	30-4-01		
Latvia								
Lithuania	15-5-00							
Luxembourg								
Malta								
Netherlands		2-12-98	(19/08/99)	10-11-99	4-10-00	4-10-00		19-03-02
Norway	11-9-98	27-1-99	4-2-00	11-11-99	6-10-00		(20-12-01)	(16-04-02)
Poland	3-3-00		3-2-00	2-3s-01	19-12-00	19-12-00	28-9-01	11-03-02
Portugal	23-9-98		26-10-00	26-10-00	26-10-00	26-10-00		
Romania				17-12-99				
Slovakia				9-11-99				
Slovenia			15-6-99	12-12-00	5-4-01			
Spain	10-9-98	10-9-98	17-2-99	10-11-99	4-10-00	4-10-00	26-9-01	(15-01-02)

Sweden		<b>16-9-98</b>	<b>19-4-00</b>	<b>22-6-00</b>	<b>14-2-01</b>			<b>27-03-02</b>
Switzerland	<b>22-3-99</b>	<b>9-9-98</b>	<b>1-2-00</b>		<b>10-4-01</b>	<b>21-9-01</b>	<b>31-10-01</b>	
Turkey								
UK	<b>30-9-98</b>	<b>16-9-98</b>	<b>17-2-99</b>	<b>22-3-00</b>	<b>4-10-00</b>	<b>4-10-00</b>	<b>17-01-02</b>	<b>13-03-02</b>
Non COST	<b>1</b>				<b>1</b>	<b>1</b>		
signatures	<b>20</b>	<b>15</b>	<b>21</b>	<b>21</b>	<b>19</b>	<b>13</b>	<b>12</b>	<b>7</b>



## Annex 5

**5<sup>TH</sup> MEETING OF THE COST 718 WORKING GROUP I: DRAFT CONCLUSIONS OF THE SEPARATE WG MEETING.**

(Ponta Delgada, Portugal , May 16<sup>th</sup> 2002).

The COST 718 Working Group I had its fifth meeting in May 16<sup>th</sup> . It follows the list of items that were discussed and the decisions adopted in each case:

Welcome to the participants.

1. Review of the decisions adopted in the last WG1 meeting in Budapest. Publication of the reports produced by the WG1members.
2. Round table discussion about the coming activities and preparation of the working plan for the WG.
3. Short term missions and study contract plans.
4. Any other business.
5. Date and place of the next meeting.

A total of 13 members attended the separate WG1 meeting (see list of attendants in the Annex I)

**Discussion and decisions adopted:**

Item 2. Concerning the way to finalise the publication of the reports produced by the WG in its two first years, it was adopted the following decision:

D.1) All members should complete the edition of the reports produced in the agreed camera-ready format and sent the material to the chairman of the WG1 (see in Annex 2 the list of available formatted reports). The reports produced will integrate a publication on "Meteorological Data for Agrometeorological Models", covering the different items considered by the WG1 (included those from RS subgroup WG1.1): use and availability of meteorological information from different sources, spatialisation of meteorological variables and use of remotely sensed data in models. The introductory text to organise and integrate the different reports will be prepared jointly by the Cost 718 Chairman Prof. G. Maracchi and the Chairman of the WG1 Mr. A. Mestre. The deadline for the reception of the formatted reports is the end of September 2002.

Item 3: After a round table discussion about the tasks to be done by the WG before the next MCM the following decisions were adopted :

a) Concerning further activities related with the use of meteorological information for models from the different sources it was decided:

D.2) To initiate an exercise to analyse the potential use of gridded data from local numerical weather models as direct inputs in agrometeorological models. First activity will be to compare over a selected area (around 20000 Km<sup>2</sup>) for each participant country, the data got from a set of ground meteorological stations with those obtained from the numerical weather model (analysis and short-range forecasts) for a period of time of around 4-6 months. This exercise of validation should be made for the following variables (tri-hourly values): temperature, rainfall, wind speed, relative humidity and global radiation (if possible). The following countries agreed to participate in this comparison: Poland, Denmark, Portugal, Spain, Finland and Italy). France also offered the provision of data from the ALADIN model to be used in the experiment. It was decided to dedicate the next meeting of the WG (before the end of November 2002) to exchange and discuss among the participants the first results obtained from this study.

b) Activities in remote sensing (RS subgroup WG1.1 under the coordination of Dr. L. Toullos).

The following decisions (commitments and deliverables) concerning WG1.1 for the next MCM) were adopted :

D.3) To prepare for the next meeting a report on the use of the ACQUA satellite. Mr. P. Struzik, and Mr. G. Stancalie will be in charge of this activity.

D.4) To investigate the contribution of RS satellite data in cloud coverage assessment for Leaf Wetness Duration calculation. Mr. Stefano Dietrich and Mr. G. Stancalie will be in charge to prepare the report on this activity for the next meeting.

Items 3 and 4 : There were no proposal for short-term missions.

Item 6. Date and place of the next WG1 meeting:

It was decided in plenary session that the next meeting of the MCM would be postponed to the beginning of next year and will be held in Tjele (Denmark) in April 2003. It was also decided to have three WG meetings before the end of the year ( 7 people each). The meeting of the WG1 will be held in November in Florence (Italy) at the invitation of Prof. Maracchi.

**ANNEX 1: LIST OF ATTENDANTS TO THE SEPARATE WG1 MEETING:**

Mr. Tor Sivertsen (Norway)

Mr. Ari Venäläinen (Finland)

Mr. Hartwich Dobestch (Austria)

Mr. Stefano Dietrich ( Italy)

Mr. Piotr Struzik (Poland)  
Ms. Victorine Perarnaud (France)  
Mr. Giampiero Maracchi (Italy)  
Mr. Antonio Mestre (Spain).  
Mr. Michel Steffensen (Denmark)  
Mr. George Stancalie (Rumania)  
Mr. Antonio Perdigao (Portugal)  
Ms. Isabel Gomes (Portugal)  
Mr. M. Sivakumar (WMO)

**ANNEX 2: LIST OF REPORTS OF WG1 AVAILABLE IN CAMERA READY  
FORMAT (INCLUDING THOSE FROM WG 1.1).**

***a) Concerning the use and availability of meteorological  
information from different sources as input in agrometeorological  
models***

1) "The quality concept of data from automated networks of meteorological stations and stations with manual recordings of measurements derived from a theoretical and philosophical point and leading to several practical recommendations. Use of the documentation system with the model AMBAV as an example" prepared by Tor Sivertsen (Norway).

2) "The use of numerical weather forecast model predictions as a source of data for soil moisture modelling" prepared by Ari Venäläinen (Finland).

3) "Gridded data from numerical atmospheric models as input in agrometeorological models" prepared by B. Gozzini (Italy), F. Meneguzzo (Italy) and M. Pasqui (Italy) .

4) Meteorological data for agricultural models, a general analysis of different data sources by Ari Venäläinen.

5) Meteorology data available on the Internet for agrometeorology and general data application. by M. Lazcano (Spain).

***b) Concerning the spatialisation of meteorological variables used  
as inputs in models.***

- 1) "Spatialisation of solar radiation -draft report on possibilities and limitations" by Piotr Struzik (Poland).
- 2) " Rainfall spatialisation " by Antonio Mestre (Spain).

c) *Concerning the RS subgroup (Reported by Leonidas Toullos)*

- 1) The utilization of Remote Sensing data to estimate Land Surface Temperature" prepared by Gheorghe Stancalie (Romania) 10 p.
- 2) "Utilization of Remotely Sensed data for Rainfall Estimation" prepared by Stefano Dietrich et al. (Italy) 35 p.
- 3) "Utilization of Remote Sensing data to estimate Solar radiation" prepared by Leonidas Toullos (Greece) 34 p.
- 4) "Meteorological Applications for Agriculture" prepared by Luis Pessanha and Antonio Perdigao (Portugal) 7 p.
- 5) "Possibilities for use of satellite information as an input for CROPWAT software - Preliminary study", prepared by Piotr Struzik (Poland) 23 p.
- 6) " Application of Remote Sensing data as inputs for the WFOST 7.1 and SWAP 2.0 Models" by Allard de Wit et al. (the Netherlands) 11 p.

Annex 6

## COST ACTION 718 "Meteorological Applications for Agriculture"

### Report of WG2 group

Ponta Delgada, May 16-17, 2002

#### Participants:

Mr. K. Christian Kersebaum, Germany  
 Mr. Hans Friesland, Germany  
 Mr. Joop Kroes, Netherlands  
 Mr. Piet Creemers, Belgium  
 Mr. Robert Oger, Belgium  
 Mr. Roland Sigvald, Sweden  
 Mr. Jonathan Yuen, Sweden  
 Mr. Federica Rossi, Italy  
 Mr. Simone Orlandini, Italy  
 Ms. Marica Adriana, Romania  
 Mr. László Tökei, Hungary  
 Mr. Federico Sau, Spain  
 Ms. Lucka Kajfež-Bogataj, Slovenia  
 Ms. Andreja Sušnik, Slovenia

#### Plenary session, May 16, 2002

After welcome to participants and approval of Budapest minutes chairman Mr. Maracchi explained agenda as follows:

~~Mr.~~ Mr. Maracchi presented the conclusions of TC meeting in Ljubljana and meeting in Madrid in 2001 (data management and availability of gridded data for models input from local services, TC members congratulated to COST 718 and allowed the edition of the publications concerning first two years of the activity of COST 718)

~~Mr.~~ Mr. Maracchi introduced the new established webserver for agrometeorology in the frame of WMO (activity started few years ago with the goal: to standardize format of agrometeorological bulletins, to help meteorological service of developing countries, to establish link as the interest of the services and ag people, to support all the tools for the activity in the field of agrometeorology)

~~dr.~~ dr. Sivakumar from AgM Division of WMO was present at the meeting; he announced 13<sup>th</sup> session of the CAgM and International Symposium on Reducing Vulnerability of Agriculture and Forestry to Climate Variability and Climate Change which will be held in October 2002 in Ljubljana and introduced the idea of new established

webserver for agrometeorology (according to the recommendations of the international workshop in Barbados where regional and technical perspectives of the agrometeorology were discussed); main topics of the webserver were presented (agmet joined information as extreme events (flood, drought), bulletins, advises or warnings, indexes (Palmer drought index), calculation of ETP, standardized phenological scale), proceedings); the design of the web page and webserver facilities will be prepared till June 2002 (appeal to each member country to prepare products for the web server!); the webserver information will be created in three steps: 1. preparation of the bulletins, advises, models (country provided information) will be posted to the server, 2. formation of the feed back from the users (forms on the server establishing communication) and 3. the creation of the simple analytical tool for the analyses performance - feed back information will be sent to the country; establishment of INSAM (International Society of Agrometeorology) was presented and the intention of INSAM was explained (citation from the web page: to be complementary to and collaborate with CAgM and the other international and national agrometeorological (parts of) organizations, societies and committees, to increase contacts between agrometeorologists all over the world); Institute of Biometeorology (Ms. Rossi) is hosting and designing the Web site (<http://www.agrometeorology.org>); after getting about 1,000 members enrolled in INSAM through the Web page there is a possibility of launching an electronic Journal of Applied Agrometeorology on the Web

~~the~~ introduction of the network of excellence and scientific institutional framework "Expressions of Interest" for the Sixth Framework Program, specifically in the category Global change and ecosystems and possibility of the submittance of the project for a network of excellence in the area of climate change, sustainable agriculture and ecosystem impacts (discussion matter was suggested by Mr. Holden), deadline for the submittance is June 2002

~~the~~ announcement of the visit of the EU delegation in China in the frame of cooperation on the field agrometeorology (global change and environment) was made by Mr. Maracchi

~~the~~ review of the decisions of the minutes 4<sup>th</sup> MCM in Budapest was presented by Mr. Maracchi

~~the~~ financial status of the Action was presented by Mr. Nejedlik (21 membering countries, total budget in 2002 (77.432 Euro, on disposal 75.100 Euro), new regulations about allocation of finance adopted in 2001, study contracts were stopped, possibility of short term missions in 2002, recommendable COST meeting shouldn't be organized in the period December-March, shrink of the COST

secretariat and separate management of the COST by MC and scientific secretary, expire of the hosting of COST actions in the frame of EU, possibility of changes in the non-profit organization sited in Bruxelles or international organization)

~~the~~ application of new countries: none (21 countries)

~~the~~ reports of WG's chairs and joint Working groups meeting

Mr. Mestre, chairman of WG1, reviewed the work in 2001 and presentations of WG1 followed (Mr. Stancalie: "Possibilities of deriving some useful agrometeorological parameters from remote sensing", Mr. Perdigão: "Satellite Applications facilities concept", Mr. Sivertsen: "The concept of Quality of Met Data/Inclusion of Remote Sensing")

Ms. Kajfež-Bogataj, chairwoman of WG2, reviewed the work of WG2 and presentations of WG2 followed in three parts:

- conclusions of the expert meeting in Florence in March 2002 "Leaf wetness duration: analysis of the agrometeorological requirements and evaluation of new estimation methods" and presentations concerning leaf wetness duration (Mr. Dietrich: "Using remotely sensed data for leaf wetness duration measurement", Mr. Orlandini: "Comparative study of different leaf wetness estimation methods", Ms. Sušnik ("Leaf wetness duration measurements and applications to agricultural practice in Slovenia"))

- national progress report about P&D models:

Mr. Friesland presented simulation results for late (1996) and early season (1998) in different regions in Germany for apple scab development using ASCHORF model and correspondence of the results with trap measurements and stressed the importance of macro and micro comparisons as a tool for the regional representativeness of the meteorological stations and model output performance; Mr. Friesland presented also simulation results for the PERO model for four stations in Germany for 1999 and 2000 and comparisons of model PERO output for Geisenheim in 2001 with assessments of the Extension service; overestimation with PERO model were registered;

Mr. Orlandini presented application of PLASMO model using data collected in Germany and Slovenia and application of PERO model using data collected in Tuscany in the presentation "Evaluation of PLASMO and PERO models for grapevine downy mildew", description of the calculation of the degree of attack from the number of oilspots were described, unsatisfying results were obtained mainly due to the conversion of oilspot number in degree of attack, some suggestions for evaluation of model performance were discussed;

Ms. Sušnik presentation "Usage of P&D models in the Goriška region in Slovenia" described model PERO and PLASMO performances used in comparisons with experiment conducted in the year 2001 at experimental station Bilje by Nova Gorica, considerations about model output comparisons were performed.

- national progress about irrigation models

Mr. Kersenbaum presented SWAP, AMBAV and IRRFIB model performances in Germany and comparisons with measured data; for running IRRFIB model reference ETP calculated by SWAP model was used, comparisons of water content (0-60 cm) was performed for maize and potato crops, potential and actual ETP and irrigation scheduling was calculated for all the models, different behavior of the model in some cases (wet-dry seasons) are probably because of the soil hydraulic properties included in the analyses;

Ms. Rossi presented model SWAP performance in Emilia Romagna region, comparisons with local developed model CRITERIA and measurements (sugar beet) were performed; model SWAP performed better results in wet conditions

Mr. Kroes presented history of ET calculation used in SWAP model and shortly explained description of new ET – FAO calculation (Penman Monteith approach);

Mr. Sau presented report (title?).

Mr. Thysen, chairman of WG3, was not present. Mr. Hocevar explained cancellation of short term mission of WG3 which stopped activity of WG3. In the frame of WG3 group Mr. Holden presented AGMET publications from Ireland (Environmental Protection Service) used for Policy decisions, representativeness of observations and educational potential were discussed.

~~///~~ Overall time table - Discussion about the next activities

Mr. Maracchi summarized COST actions activities (43 actions, 25 reports, 27.000 Euro available for next meeting COST 718, 5000-7100 Euro available for publishing reports of WG1 and WG2 COST 718) and suggested further activities of COST 718:

- three WG meetings (app. 7 people) and STM of WG3
- postponed meeting of MCM at the beginning of the next year-
- finalization of the COST 718 publications up to April 2003
- proposed joint meeting of COST 719 an 718 (proposed by Mr. Dalezios) in spring 2003; discussion with Mr. Thysen about announced and canceled meeting in Denmark in September 2002
- titles for reports of WG groups

**Plenary session - continuation and WG group meetings, May 17, 2002**

~~///~~ Short WG groups separate meetings (group WG2 conclusions)

- WG2 group will prepare two documents (report on the leaf wetness duration, report on P&D and irrigation models)
- deadline for document preparation is the end of September 2002 (documents should be sent to Ms. Kajfež-Bogataj)
- structure of the articles will be prepared by Ms. Kajfež-Bogataj
- proposed reports:

<b>I. LEAF WETNESS DURATION (10 articles)</b>	
<b>authors</b>	<b>preliminary title</b>
1. Orlandini, S. and Dietrich, S.	Introduction and role of leaf wetness duration on plant diseases
2. Orlandini, S.	Review of the leaf wetness sensors
3. Dietrich, S.	Using radar data for the estimation of the leaf wetness duration
4. Siversten, T.H. (cooperation with WG1)	The quality concept of data from leaf wetness measurements
5. Oger, R.	Strengths and weakness of common statistics used to assess accuracy of the model predictions of leaf wetness duration



6. Oger, R.	Applications of radar data for the leaf wetness estimations
7. Sušnik, A. (possible cooperation with Italian colleagues from LW meeting)	Leaf wetness measurements and applications to agricultural practice in Slovenia
8. Dietrich, S.	Development of physical model for leaf wetness duration
9. Orlandini, S. (with cooperation with Italian colleagues)	Application of the neural network in the estimation of leaf wetness duration
10. Wittich, K.-P. (developer of the model, Mr. Friesland should transfer the request to Mr. Wittich )	DROPBEN description - physical background of the model
<b>II. P&amp; D MODELS (6 articles)</b>	
<b>Authors</b>	<b>preliminary title</b>
1. Friesland, H.	ASCHORF - general description of the model
2. Creemers, P.	Epidemiology of apple scab (Belgium)
3. Sigvald, R.	Experience with apple scab in Sweden?
4. Friesland, H.	PERO- general description of the model
5. Orlandini, S., Friesland, H., Sušnik A.	Evaluation of PERO model in different regions in Europe
6. Orlandini, S., Friesland, H., Sušnik A.	Evaluation of PLASMO model in different regions in Europe
<b>IRRIGATION MODELS (6 articles)</b>	
<b>authors</b>	<b>preliminary title</b>
1. Kroes, J.	Introduction to the SWAP model
2. Kersenbaum, C.	Comparisons of the model AMBAV, IRRFIB and SWAP in Germany
3. Marica, A.	Study of CROPWAT model in Romania
4. Sušnik, A.	General description of IRRFIB model and practical usage of model by drought estimation in Slovenia
5. possibility of the report of Austrian colleague Mr. Eitzinger should be checked	
6. Tokei, L. (?)	

- strategy 2002-2004 of WG2 was discussed as following:
- operational status of the models should be defined
- strategy for the test of uncertainties of the model should be prepared
- two main streams of the work: to develop tactical tools for policy decisions and to develop information for climate change studies
- incorporation of the economical background of the models (economical causes of chemical usage, risk analysis, irrigation models for drought mitigation)
- developed models as a tool for climate change simulations on the historical input data (warm, cold years and unfavorable climatic conditions in the past)
- suggestions to WG1 concerning input data (downscaling)
- Mr. Yuen will prepare report on the tactical tools
- next meeting of WG2: Irrigation models - at the end of November (November 28-29, 2002) in Wageningen-Netherlands, P&D models and LW meeting - October 2002 in Ljubljana (in the period of CAgM session - date will be confirmed later)

~~///~~ Joint discussion and final composition of the WG's

- WG chairman's proposal for the reports (see report of WG2 separate meeting)
- preparation of joint proposal for EU project in the frame Research and Technology Development beyond 2002 Sixth Framework Program (<http://www.cordis.lu/fp6/eoi-instruments>); Mr. Maracchi suggested some ideas about the possible topics where to submit proposal (Food policy and safety, Sustainable development/Global change and ecosystem, Impact of climate on agriculture), cooperation with WMO, involvement of the main topics (climate change, biodiversity and agriculture) and suggested the formation of the group which would prepare objectives of the project proposal (Mr. Dunkel, Mr. Holden, Mr. Kroes, Mr. Maracchi, Mr. Orlandini and Mr. Sivakumar from WMO)

~~///~~ Report about the co-operation with GIS interested Action was prepared by Mr. Dobesch

~~///~~ Closure of the meeting

Report prepared by Andreja Sušnik  
Ljubljana, May 23, 2002

## **COST 718 "METEOROLOGICAL APPLICATIONS FOR AGRICULTURE"**

### **DRAFT MINUTES OF WG3 "INTERFACE WITH END USERS" MEETING IN PONTA DELGADA 16 AND 17 MAY 2002**

?? Members of WG3 met on 17 May in the morning. The following members attend the meeting: Mrs. Annette Folkedal, Mr. Nick Holden (who we missed at the meetings in Larnaca and Budapest), and Mrs. Malgorzata Kepinska-Kasprzak. A new member Mr. Zoltan Dunkel joined our group. Mr. Pavol Nejedlik, the new scientific secretary of COST meteorology, being the member of this group at the beginning of the action attended the meeting, as well. Mrs. Olga Braslavska who was a temporary member of the group and Mr. Iver Thyson, the vice-chairman were missing. Under somehow modified agenda we discussed first the fulfillment of Budapest's decisions.

#### **Preparation for planning for the next coming activities.**

We have to urge the COST member countries to fulfill the questionnaire on WEB page if they haven't done yet? Till September 2001 6 countries were still missing. These were the following countries: Belgia, Bulgaria, Netherland, Portugal, United Kingdom At present the WEB page can not be found at the former adress! It must be reestablished.

**WG3.5/D1** The WEB page at Mr. Iver Thyson place must be accomplished and completed. The final version must be linked with the WEB page of COST 718 lokated at Bologna (Mrs. Federica Rossi).

**Deadline: September 2002**

**Responsible: Mr. Iver Thyson, Nick Holden, Mentioned countries**

A link must be established among the existing and related WEB pages concerning COST 718, like the ones prepared in Italy and Dannemark and VIPS established in Norway,

**WG3.5/D2** A link must be established among WEB pages of COST 718 and sistem VIPS.

**Deadline: September 2002**

**Responsible: Mrs. Annette Folkedal**

**WG3.5/D4** A report of the WG3 activity will be prepared with the contributions of all members of the group

**Deadline: April 2003**

**Responsible: All members of the group.**

**DM3.5/D5** The paper will be prepared by the group with the aime how to bridge the gap among the modelers and end users. A draft will be prepared by mr. Nick Holden

**Deadline: September 200**

**Responsible for the draft Mr. Nick Holden**

**DM3.5/D6** Following short term scientific missions were approved by MCM COST 718 at the meeting in Budapest in september 2001 to visit Iver Thyson institution: Danish Institute of Agricultural Sciencies – Informatics and Agrometeorological Unit, Tjele:

**Mr. Simone Orlandini (Italy)**

**Mrs Annette Folkedal ( Norway)**

**Mr. Klemen Bergant (Slovenia)**

**Proposed term (a new one): From middle September 2002 on.**

**Responsible:** Iver Thyson, Simone Orlandini, Annette Fokedal, Klemen Bergant

**DM3.5/D7** Place of the next meeting of WG3 will be in Dannemark somewhen after 20 September 2002 at the end of accomplished short term scientific missions.