

## Collaborative Project



# CLIM-RUN

Climate Local Information in the Mediterranean  
region Responding to User Needs



WP 9 – Training and dissemination of final results  
Task 9.1 - Organization of training workshop no.1

## Deliverable 9.1

### training workshop report

Project No. 265192– CLIM-RUN

Start date of project: 1st March 2011

Duration: 36 months

**Organization name of lead contractor for this deliverable:** The Abdus Salam International Centre for Theoretical Physics (ICTP)

Actual Submission Date: January 2014

**Authors:** Erika Coppola [coppolae@ictp.it](mailto:coppolae@ictp.it)

## Table of Contents

1. Workshop Description.....	3
2. Lecture table.....	3
3. Annex 1 : Workshop poster .....	7
4. Annex 2: Participant listTotal .....	8

## 1. Workshop Description

**Title:** First CLIM-RUN Workshop on Climate Services

**Start Time:** 15 October 2012 at 08:15 Ends On: 19 October 2012

**Location:** ICTP, Trieste - Italy

**Venue:** AGH Denardo Lecture Hall

**Directors:** Paolo Ruti, ENEA, Italy, Filippo Giorgi, ICTP, Italy

This workshop was focus on the development of, and training for, a new research expertise that would lie at the interface between climate science and stakeholder application within the Climate Services framework.

The workshop was run in three parts, the first covering fundamental climate and predictability issues and the last covering specific stakeholder oriented application issues.

The central section was focused on a variety of 'cross-over' themes essential for the delivery of climate services. Extensive hand-on laboratory sessions has been organized to support the theoretical lectures.

### Topics:

- Introduction to climate information (Observations, modeling)
- Correct interpretation of climate forecasts/projections and related uncertainties
- Stakeholder dynamics, methodologies for developing stakeholder interactions
- Communication strategies, transfer of information (including relations with the media)
- Laboratory session on statistical downscaling
- Laboratory session on using climate information from ENSEMBLES data
- Laboratory session on application to coastal zone, energy, fire and tourism sectors.

## 2. Lecture table

### Monday 15 October 2012

09:00- 10:00

Climate Change - IPCC - **Filippo Giorgi** , *ICTP* , link to presentation click on slides

- [slides](#) ,

10:00-11:00

Climate Change - IPCC , Regional Climate Modeling - **Filippo Giorgi, Samuel Somot** , *ICTP, MétéoFrance*

11:30- 12:30

Regional Climate Modeling - Uncertainty - **Samuel Somot**, *Meteofrance*, link to presentation click on slides

- [slides](#)

14:00- 16:00

Lab Session - ENSEMBLES - **Clotilde Dubois** - *Meteofrance* , link to presentation click on slides

- [slides](#)

16:30- 18:30

Lab Session - ENSEMBLES - **Clotilde Dubois** , *Meteofrance*

## Tuesday 16 October 2012

09:00- 10:00

Statistical Downscaling - **Maria Dolores Frias** , *University of Cantabria*, link to presentation click on slides

- [slides](#)

10:00-11:00

Statistical Downscaling, Forest Fire - **Maria Dolores Frias, Christos Giannakopoulos**  
*University of Cantabria - Spain, NOA - Greece*

11:30- 12:30 Forest Fire - **Christos Giannakopoulos**, *NOA - Greece*, link to presentation click on slides

- [slides](#)

14:00- 16:00

Lab Session - Forest Fire - **Christos Giannakopoulos** , *NOA - Greece*

16:30- 18:30

Lab Session - Statistical Downscaling - **Maria Dolores Frias** , *University of Cantabria*

## Wednesday 17 October 2012

09:00- 10:00

Climate Services - **Clare Goodess** , *University of East Anglia, UK* , link to presentation click on slides

- [slides](#)

10:00-12:30

Stakeholder Dynamics, Methodologies for Developing Stakeholder Interactions - **Ghislain Dubois** *TEC, France* , link to presentation click on slides

- [slides](#)

14:00- 16:00

Lab Session - Using ENSEMBLES to communicate Uncertainty - **Ghislain Dubois** , *TEC* , link to presentation click on slides

- [slides](#)

16:30- 18:30

Lab Session - Statistical Downscaling - **Maria Dolores Frias** , *University of Cantabria*

### Thursday 18 October 2012

09:00-11:00

Energy Impacts - **Robert Pasicko** , *UNDP, Croatia*, link to presentation click on slides

- [slides](#)

11:30-12:30

Coastal Zone Impacts - **Silvia Torresan** , *CMCC*

14:00-16:00

Lab Session - Coastal Zone- **Silvia Torresan** , *CMCC, Italy*

16:30- 18:30

Lab Session - Coastal Zone - **Silvia Torresan** , *CMCC, Italy*

### Friday 19 October 2012

09:00- 11:00

Media Communication - **Ghislain Dubois** , *TEC* , link to presentation click on slides

- [slides](#)

11:30- 12:45  
Student Presentations

### 3. Annex 1 : Workshop poster



**The Abdus Salam  
International Centre for Theoretical Physics**







## First CLIM-RUN Workshop on Climate Services

15 – 19 October 2012

The Abdus Salam International Centre for Theoretical Physics (ICTP) is organizing the "First CLIM-RUN Workshop on Climate Services", to be held from 15-19 October 2012 in Trieste, Italy.

This workshop will focus on the development of, and training for, a new research expertise that would lie at the interface between climate science and stakeholder application within the Climate Services framework.

The workshop will run in three parts, the first covering fundamental climate and predictability issues and the last covering specific stakeholder oriented application issues. The central section will focus on a variety of 'cross-over' themes essential for the delivery of climate services. Extensive hands-on laboratory sessions will be organized to support the theoretical lectures.

**Topics:**

- Introduction to climate information (Observations, modeling)
- Correct interpretation of climate forecasts/projections and related uncertainties
- Stakeholder dynamics, methodologies for developing stakeholder interactions
- Communication strategies, transfer of information (including relations with the media)
- Laboratory session on statistical downscaling
- Laboratory session on using climate information from ENSEMBLES data
- Laboratory session on application to coastal zone, energy, fire and tourism sectors

**Participation:**  
The Workshop will be conducted in English. Limited funding (including travel grants) for participation is available for scientists from developing countries. No registration fee is required.

**How to apply for Participation:**  
The on-line application form can be accessed via the ICTP activity agenda page at:  
<http://agenda.ictp.it/smr.php?2429>  
Once in the website, comprehensive instructions will guide you step-by-step, on how to fill out and submit the application form. Please send all file attachments in PDF format.  
**Deadline for receipt of applications is 27 July 2012.**

**Contact Information:**  
Phone: +39 040 2240 426  
Fax: +39 040 2240 449  
E-mail: [smr2429@ictp.it](mailto:smr2429@ictp.it)  
ICTP Home page: <http://www.ictp.it>



April 2012

**ORGANIZERS**

**Paolo Ruti**  
(ENEA, Italy)

**Filippo Giorgi**  
(ICTP, Italy)

**SPEAKERS/  
INSTRUCTORS**

**Clare Goodess**  
(University of East Anglia, U.K.)

**Silvia Torresan**  
(CMCC, Italy)

**Ghislain Dubois**  
(TEC, France)

**Samuel Somot**  
(Meteofrance, France)

**Robert Pasicko**  
(UNDP, Croatia)

**Nathalie Rousset**  
(Planbleu, France)

**Christos Giannakopoulos**  
(N.O.A., Greece)

**Maria Dolores Frias**  
(University of Cantabria, Spain)

**Clotilde Dubois**  
(Meteofrance, France)

Application Deadline  
27 July 2012

## 4. Annex 2: Participant list

**Total Number of Visitors: 32**

No.	NAME and INSTITUTE	Nationality	Function
<b>DIRECTOR</b>		<b>Total number in this function: 1</b>	
1.	<b>GIORGI Filippo</b>	ITALY	<b>DIRECTOR</b>
	Permanent Institute: the Abdus Salam International Centre For Theoretical Physics Earth System Physics Section Physics of Weather and Climate Group Strada Costiera 11 P.O. Box 586 34014 Trieste ITALY		



No.	NAME and INSTITUTE	Nationality	Function
<b>SPEAKER</b>		<b>Total number in this function: 10</b>	
2.	<b>CRITTO Andrea</b>  Permanent Institute: Department of Environmental Sciences University Ca' Foscari of Venice Dorsoduro 2137 Venezia 30123 ITALY	ITALY	<b>INSTRUCTOR</b>
3.	<b>DUBOIS Clotilde</b>  Permanent Institute: Meteo France CNRM 42, avenue Coriolis 31057 Toulouse FRANCE	FRANCE	<b>SPEAKER</b>
4.	<b>DUBOIS Ghislain</b>  Permanent Institute: TEC Tourisme Transports Territoires Environnement Conseil 38 rue Sénac de Meilhan 13001 Marseille FRANCE	FRANCE	<b>SPEAKER</b>
5.	<b>FRIAS Maria Dolores</b>  Permanent Institute: Universidad de Cantabria Dept- Matematica Aplicada y Ciencias de la Computacion ETSI Caminos, Avenida de los Castros s/n 39005 Santander SPAIN	SPAIN	<b>SPEAKER</b>
6.	<b>GALLINA Valentina</b>  Permanent Institute: Department of Environmental Sciences University Ca' Foscari of Venice Dorsoduro 2137 Venezia 30123 ITALY	ITALY	<b>INSTRUCTOR</b>
7.	<b>GIANNAKOPOULOS Christos</b>  Permanent Institute: National Observatory of Athens Institute for Environmental Research & Sustainable Development (NOA/IERSD) Metaxa & V. Pavlou Palaia Pendeli GR-152 36 Athens GREECE	GREECE	<b>SPEAKER</b>

No.	NAME and INSTITUTE	Nationality	Function
8.	<b>GOODESS Clare Mary</b>  Permanent Institute: University of East Anglia the Climatic Research Unit Norfolk NR47TJ Norwich UNITED KINGDOM	UNITED KINGDOM	<b>SPEAKER</b>
9.	<b>PASICKO Robert</b>  Permanent Institute: United Nations Development Program Radnicka 41 Zagreb CROATIA	CROATIA	<b>SPEAKER</b>
10.	<b>SOMOT Samuel J.</b>  Permanent Institute: Meteo-France Centre National de Recherches Meteorologiques Cnrm/Gmgec/Udc 42 Avenue Coriolis 31057 CEDEX 1 Toulouse FRANCE	FRANCE	<b>SPEAKER</b>
11.	<b>TORRESAN Silvia</b>  Permanent Institute: Euro Mediterranean Centre for Climate Change CMCC Consorzio Venezia Ricerche Viale della Liberta 12 Maghera-Venezia Venice ITALY	ITALY	<b>SPEAKER</b>

No.	NAME and INSTITUTE	Nationality	Function
<b>PARTICIPANT</b>		<b>Total number in this function: 21</b>	
12.	<b>AVELEDO SALDINAS Juan Alberto</b>	CUBA	<b>PARTICIPANT</b>
	Permanent Institute: High Institute of Technologies and Applied Sciences Ave. Salvador Allende esq. Luaces 10400 Havana CUBA	Universidad Nacional Autonoma de Mexico Centro de Ciencias de la Atmosfera Circuito Exterior, Cd. Universitaria 04510 Mexico DF MEXICO	
			<b>31 December 2012</b>
13.	<b>BAILLS Audrey</b>	FRANCE	<b>PARTICIPANT</b>
	Permanent Institute: Direction des Risques et de la Prevention BRGM French Geological Survey Risks and prevention division 3 avenue Claude Guillemin 45060 Orleans FRANCE		
14.	<b>BALOG Irena</b>	SERBIA	<b>PARTICIPANT</b>
	Permanent Institute: University of Trieste, Doctorate school in Environmental and Industrial Fluid Mechanics P.le Europa 1 Trieste 34127 ITALY		
15.	<b>CASANUEVA Ana</b>	SPAIN	<b>PARTICIPANT</b>
	Permanent Institute: Universidad de Cantabria Dept- Matematica Aplicada y Ciencias de la Computacion ETSI Caminos, Avenida de los Castros s/n 39005 Santander SPAIN		
16.	<b>DESRAMAUT Nicolas</b>	FRANCE	<b>PARTICIPANT</b>
	Permanent Institute: Direction des Risques et de la Prevention BRGM French Geological Survey Risks and prevention division 3 avenue Claude Guillemin 45060 Orleans FRANCE		

No.	NAME and INSTITUTE	Nationality	Function
17.	<b>EZEAKU Peter Ikemefuna</b>  Permanent Institute: University of Nigeria Fac. Agricultural Science Department of Soil Science Enugu State 23442 Nsukka NIGERIA	NIGERIA	<b>REGULAR ASSOCIATE</b>
18.	<b>FATORIC Sandra</b>  Permanent Institute: Universitat Autònoma de Barcelona Departament de Geografia Edifici B Campus de la UAB 08193 Bellaterra Cerdanyola Del Valles Catalonia SPAIN	SLOVENIA	<b>PARTICIPANT</b>
19.	<b>FERLA Maurizio</b>  Permanent Institute: ISPRA Dipartimento Tutela delle Acque Interne e Marine Servizio Laguna di Venezia Castello, 4665 - Campo San Provolo 30122 Venezia ITALY	ITALY	<b>PARTICIPANT</b>
20.	<b>GREEN Catherine Vaughan</b>  Permanent Institute: International Research Institute for Climate & Society, Columbia University 61 Rte 9w Palisades 10964 NY UNITED STATES OF AMERICA	UNITED STATES OF AMERICA  Present institute: School for Earth and the Environment University of Leeds Maths/Earth and Environment Building Leeds UNITED KINGDOM  Until when:	<b>PARTICIPANT</b>        <b>1 May 2015</b>
21.	<b>HAILESILASSIE Wondimu Tadiwos</b>  Permanent Institute: National Meteorological Agency Bole Addis Ababa Ethiopia ETHIOPIA	ETHIOPIA	<b>PARTICIPANT</b>
22.	<b>HORVATH Kristian</b>  Permanent Institute: Meteorological and Hydrological Service of Croatia Gric 3 10000 Zagreb CROATIA	CROATIA	<b>PARTICIPANT</b>

No.	NAME and INSTITUTE	Nationality	Function
23.	<b>KARALI Anna</b>  Permanent Institute: National Observatory of Athens Institute for Environmental Research & Sustainable Development (NOA/IERSD) Metaxa & V. Pavlou Palaia Pendeli GR-152 36 Athens GREECE	GREECE	<b>PARTICIPANT</b>
24.	<b>MARTINEZ SOLARTE Maria Isabel</b>  Permanent Institute: CENTRO INTERNACIONAL DE FISICA CIF Universidad Nacional de Colombia Carrera 45 No 26-85 . Edificio Manuel Ancizar. segundo piso Bogota Cundinamarca COLOMBIA	COLOMBIA	<b>PARTICIPANT</b>
25.	<b>MSEMO Hellen Elimo</b>  Permanent Institute: TANZANIA METEOROLOGICAL AGENCY MOROROGORO ROAD BOX 3056 Dar Es Salaam TANZANIA UNITED REPUBLIC OF TANZANIA	UNITED REPUBLIC OF TANZANIA	<b>PARTICIPANT</b>
26.	<b>OSMAN Marisol</b>  Permanent Institute: Research Center of the Sea and the Atmosphere CIMA CONICET University of Buenos Aires Intendente Guiraldes 2160 Ciudad Universitaria Pabellón II -2do piso 1428 Buenos Aires ARGENTINA	ARGENTINA	<b>PARTICIPANT</b>
27.	<b>REALE Marco</b>  Permanent Institute: University of Trieste Department of Mathematics and Geosciences via Valerio, 12/1 34127 Trieste ITALY	ITALY	<b>PARTICIPANT</b>
28.	<b>RODRIGUEZ VALIENTE Yaima</b>  Permanent Institute: Institute of Meteorology INSMET, Climate Center CENCLIM, Climate Applications Group Carretera del Asilo s/n, Loma de Casablanca, Regla 10700 Havana CUBA	CUBA	<b>PARTICIPANT</b>

No.	NAME and INSTITUTE	Nationality	Function
29.	<b>STANOJEVIC Gorica</b>  Permanent Institute: Serbian Academy of Sciences and Arts Geographical Institute 'Jovan Cvijic' 11000 Belgrade SERBIA	SERBIA	<b>PARTICIPANT</b>
30.	<b>WILLIAM LEVIRA Pamela</b>  Permanent Institute: Tanzania Meteorological Agency Climatology and Climate Change Section 3rd floor, Ubungu Plaza Morogoro Road +255 Dar Es Salaam UNITED REPUBLIC OF TANZANIA	UNITED REPUBLIC OF TANZANIA	<b>PARTICIPANT</b>
31.	<b>XUE Jie</b>  Permanent Institute: Energy & Environment Research Department of Chinese Research Academy of Environmental Sciences No. 8 Dayangfang, Chaoyang District 100012 Beijing Beijing PEOPLE'S REPUBLIC OF CHINA	PEOPLE'S REPUBLIC OF CHINA	<b>PARTICIPANT</b>
32.	<b>ZHAO Juan</b>  Permanent Institute: Chinese Research Academy of Environmental Sciences 8 Dayangfang Beiyuan Road., Chaoyang District 100012 Beijing Beijing PEOPLE'S REPUBLIC OF CHINA	PEOPLE'S REPUBLIC OF CHINA	<b>PARTICIPANT</b>