

ACTIF WORKSHOP I:

Combination of data from remote sensing technologies for flood forecasting

OBJECTIVE:

The objective of this workshop is to facilitate exchange of ideas, information and expertise in the area of combining remotely-sensed data from many sources, and to provide an opportunity for ACTIF members to meet and to discuss the preparation of the best practice papers

The workshop is aimed also to serve as a platform to promote contact between R+D groups dealing with flood forecasting, flood warning and emergency management.

TOPICS:

The workshop will be organized around three main topics:

Topic 1: New techniques for improving remote sensing measurements of rain.

Topic 2: Impact of multi-sensor measurements of atmospheric parameters on QPF.

Topic 3: Contribution and role of remote sensing technologies to retrieve physiographic parameters, soil moisture and run-off capacity.

To cover the three topics, the workshop will be organized in oral presentations, poster viewing and open discussions.

Specifically, posters and papers are solicited on application of:

- Radar study of the microphysics of clouds and precipitation
- Radar precipitation estimates
- Assimilation of remote sensing data into meteorological and hydrological models
- Retrieve of catchment physiology, soil moisture and run-off capacity from remote sensing data.

WHERE:

Conference centre, Research area of Bologna, CNR, **Bologna** (Italy)

WHEN:

24-25 November 2003

ORGANIZERS:

ISAC - CNR

SMR - ARPA

To accomplish this, the workshop will be organized on three levels:

- 1) **Oral lectures** from highly qualified specialists reviewing the **present situation** of operational use of remote sensing technologies for flood forecasting, highlighting the **recent advances and new trends** in the estimation of rainfall from ground based as well as satellite based devices
- 2) **Poster exhibit sessions** to which all participants are invited. The aim is that everybody will have the opportunity of showing their activities, needs and proposed solutions in the field of the workshop. It is seen as the occasion to **meet and open the discussion** between the participants, but also with the speakers.
- 3) **Working Groups discussion**, devoted to the initial development of the four European best practice papers: "On understanding and reducing uncertainty in flood forecasting", "Requirements of flood forecasters for the preparation of specific types of warnings", "Integration and assimilation of data including Earth Observations" and "Report on data collection, handling and use in flood forecasting projects"

STRUCTURE:

- **3 half-day blocks of formal presentations**
 1. Topics 1 - (Title to be defined)
 2. Topics 2 - (Title to be defined)
 3. Topics 3 - (Title to be defined)
- **1 parallel session of posters (running for the duration of the workshop)**
- **4 parallel sessions on Best practice papers**

ORAL and POSTER SESSIONS:

Papers from all participants are welcomed showing operational practices, rainfall estimation techniques, impact of remote sensing data on QPE/QPF estimation of physiographic parameters, real-time applications, case studies, needs from practitioners, software applications, etc.

Additionally all EC 4th, 5th and 6th Framework Programme R+D projects related to flood warning, forecasting and emergency management will be invited to present a poster showing their recent advances and objectives. The papers should be **registered in advance**, and a **short abstract** will be provided to the organizing committee.

COST:

The workshop registration will require a **fee of 200 euros** (including banquet and book of abstracts).

SOCIAL EVENTS:

A banquet will be organised for all participants on the evening of 24 November.

ACCOMMODATION:

To be filled as soon as possible.

IMPORTANT DATES:

Submission of abstracts	1 st October 2003
Deadline for registration	1 st November 2003

INFO AND CONTACTS

General ACTIF web page :	www.actif-ec.net
Workshop web page	www.actif-ec.net
Local organiser	