

DAMOCLES

DEBRISFALL ASSESSMENT IN MOUNTAIN CATCHMENTS FOR LOCAL END-USERS

TRAINING ACTIVITY

“Debris Flow Routing and Distributed Fan Model Application”

UNIVERSITY OF PADOVA

Department of Land and Agro-forest Environments (DeTESAF)

Agripolis – Via Romea 16, 35020 Legnaro (PD), Italy

September 10-11, 2002

PROGRAMME

Tuesday 10, 2002 Legnaro (PD), Agripolis Room N° 11 “Pentagono” building	08.00-11.00 11.00-11.15 11.15-11.45 11.45-13.15 13.15-14.30 14.30-15.30 15.30-15.45 15.45-16.30 16.30-17.15	Travel to Legnaro from Milan, Trento, Arabba, Mestre. Welcome to the participants, Prof. V. Boatto, Head of DeTESAF. Explanation of the training activity in the framework of DAMOCLES, presentation of case studies; Prof. M.A. Lenzi. Theory, explanations: type of debris flow; gully-channelised debris flow characteristics; debris flow magnitude; Prof. V. D’Agostino. Lunch Presentation of the 1-D MODDS Model: simulation options, test comparison with DAMBRK, input data, output data; Prof. M.A. Lenzi and V. D’Agostino. Coffee break The Debris Flow Distributed Propagation Model, DDPM: simulation options, input and output data; Prof. C. Gregoreti. Linking the DDPM Model with DTM of the fan area, GIS representations; Model DEFLIMO; Prof. M.A. Lenzi and Dr. Luca Mao.
Wednesday 11, 2002 Legnaro (PD), Agripolis GIS Room - CIRGEO Laboratoy “Pentagono” building	09.00-09.15 09.15-11.30 11.30-11.45 11.45-13.30 13.30-14.30 14.30-15.30 15.30-15.45 15.45-16.15 16.15-17.00	Application of the 1-D MODDS Model to the Rio Lenzi catchment: input data, simulation options: confined and unconfined channel, bridges and bend; Dr. Diego Sonda. Individual simulations made by participants using different data set. Coffee break Application of the DDPM model to the Rio Lazer fan area; individual simulations made by participants using different data set. Lunch Application of the MODDS Model to the Rio Sahùn catchment (Spanish Pyrenees); Dr. Diego Sonda. Coffee break Application of the MODDS Model to the Rio Rudan (Veneto Region); Prof. M.A. Lenzi and Dr. Luca Mao. Final discussion , exchange of ideas.

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List of participants

	NAME	SURNAME	ORGANIZATION	ROLE / POSITION
1	ANTONIO	MANICA	P.A.T. Servizio Sistemazioni Montane, Trento	Forestry Manager
2	ANDREA	CASONATO	P.A.T. Servizio Sistemazioni Montane, Trento	Civil Engineer
3	GUIDO	BENEDETTI	P.A.T. Servizio Sistemazioni Montane, Trento	Civil Engineer
4	GIANCARLO	DEGASPERI	P.A.T. Servizio Sistemazioni Montane, Trento	G.I.S. expert
5	ENRIQUE	ACOSTA	I.G.M.E. Zaragoza, Spain	PhD Student
6	ROCCO	MARIANI	Dir. Difesa del Suolo, Regione Veneto, Venezia	Geologist
7	FRANCESCO	POZZA	Struttura Rischio Idrogeologici, Regione Lombardia, Milano	Geologist
8	PAOLO	FRATTINI	University of Milano Bicocca	PhD Student
9	FABIA	CODALLI	University of Milano Bicocca	PhD Student
10	MASSIMO	DEGETTO	Associazione Italiana di Idronomia, Padova	Forestry Consultant
11	MARILENA	SEGATO	Beta Studio S.R.L., Padova	Geologist Consultant
12	SILVIO	GRISOTTO	Freelance	Forestry Consultant
13	LUCA	MAO	University of Padova	PhD Student
14	ALESSANDRO	VIANELLO	University of Padova	PhD Student
15	FRANCESCO	COMITI	University of Padova	PhD Student
16	CLAUDIA	VEZZANI	University of Padova	PhD Student

