









Date dd/mm/yy	Instruments*	EO data	Site	Objective	Research	Snapshot
					Snapshot caption	
15-16/09/03	FS, EKO	MIVIS	Torviscosa (Udine)	Radiometric observations for processing of EO data	CGR-CISIG Parma	
					One of the target (road) sampled to validate the atmospheric correction	
5-6/09/03	FS, EKO	ASTER, Landsat, SPOT, ASAR	Lys glacier (Val d'Aosta)	EO for glacier monitoring and multi- scale analyses	ASI Glasnowmap; ESA IGMS	-
23-24/08/03	FS, EKO	ASTER, Landsat, SPOT, ASAR	Mandrone glacier (Adamello, Trentino- Lombardia)	Radiometric observations for multi- scale analyses applied to glaciers	ASI Glasnowmap; ESA IGMS	
					Measuring radiances reflected by the glacier tongue	
04/08/03 05/06/03	FS, SS	Landsat, MODIS	Stelvio National Park, Alpe Borron (Sondrio)	In situ radiometric observations for the biomass retrieval in alpine meadows	Università degli Studi di Milano- Facoltà di Agraria	
					Radiometric measurements over a grassfield at Alpe Borron	
22-23/07/03	SS, FATA, FS, EKO	Hyperion, ALI, MERIS	Lake Garda	AOP, IOP measurements of lake water in coincidence with Envisat and EO-1	ASI NINFA	
					Profile measurements with Ramses and AC-9 in shallow waters	
02/07/03	FS, EKO	MIVIS, MODIS, Landsat	Ticino river park	Radiometric observations for atmospheric correction of EO data	Parco Lombardo della Valle del Ticino	
					One of the target (rice) sampled to validate the atmospheric correction	
27/05/03 12/06/03	SS, DC	MODIS, Landsat	Ticino river park; Besate (Pavia)	LAI estimation and assessment of field variability of rice using proximal remote sensing	Università degli Studi di Milano- Facoltà di Agraria	
					Radiometric measurements over ricefields	
21/05/03 26/05/03 11/06/03	SS, FATA	Landsat	Lake Maggiore	Monitoring sediment load	CNR-ISE	
					The pipe-funnel system driving the water to the instruments over the boat	
01/04/03	SS	-	Ticino river park; Zerbolò (Pavia)	Radiometric characterization of poplar plantation understory	Università di Milano Bicocca- Scienze Ambientali	-
26/03/03	SS, FATA	Landsat	Lake Garda (Riva del Garda)	Test of FATA including AC-9 before 2003 fieldwork	ASI NINFA	
					Exercise of intercalibration using SpectraScan	

*Acronyms for instruments

AP : AccuPAR ceptometer LP80 (Decagon Devices Inc.)

ASD: Analytical Spectral Device Inc. FieldSpec Full Resolution Pro spectroradiometer (350-2500 nm)

CY: Submersible sensor for detection of cyanobacterial pigments (Turner Design Cyclops-7)

EKO: EKO MS-120 Sunphotometer (368 , 500 , 675 and 778 nm)

EX: Exotech 100 BK radiometer (TM1, TM2, TM3 and TM4 filters)

FATA : Fluorescence And Turbidity Analyzer (Turner Design-SCUFA fluorometer/turbidimeter and thermocouple coupled with hydrodynamic system to acquire spatial profiles in water bodies, synchronously to GPS, temperature and PAR measurements)

Goniometer: MultiANGular Device for Radiometric Observations over Natural Surfaces

HC: Hemispherical camera (Nikon Coolpix fisheye)

RY: Raytek PM40 thermoradiometer (8-14 micron)

SS: PhotoResearch SpectraScan PR-650 spectroradiometer (380-780 nm)