Introduction to the training course
Muriel Simon and the Organization team
2 September 2007
• Objectives of the course
• The participants
• Teachers and Programme
• Logistics
Objectives of the training course

- Train young scientists on the state of the art in land remote sensing.

- Enable a better understanding of the key concepts of the ESA ERS and Envisat missions, in particular with respect to land remote sensing.

- Provide hands-on experience with tools and methods used for the exploitation of ERS and Envisat satellite data.

- Give you the theoretical and practical framework for further studies.
The participants

- 61 participants selected from > 160 applications
- Education levels: BSc, MSc, Engineer, PhD
- 20 different nationalities represented
The teaching team

Prof. Mário Caetano, IGP, Portugal: Image processing techniques, LULC applications

Mr Yves-Louis Desnos, ESA, Italy: ESA EO missions, (A)SAR instrument series

Dr. Thuy Le Toan, CESBIO, France: SAR basics, Agriculture applications

Prof. Jose Moreno, Univ. Valencia, Spain: Optical RS, MERIS, Proba, water resources

Prof. José Pereira, UTL, Portugal: Fires and burnt area detection applications, (A)ATSR series

Prof. Eric Pottier, Univ. Rennes, France: Polarimetry and applications, POLSARPRO

Prof. Fabio Rocca, Polimi, Italy: Interferometry, Terrain motion applications

Prof. Christiane Schmullius, Univ. Jena, Germany: Forestry applications

Prof. Bob Su, ITC, Netherlands: Thermal RS, surface energy balance, water resources

Dr. Hervé Yésou, Sertit, France: Flood applications

Remi Andreoli, Sertit, Italy: Floods practicals

Daniele Perissin, Polimi, Italy: Terrain motion practicals

Andrea Minchella, RSAC c/o ESA ESRIN, Italy: BEST

Muriel Simon, Serco c/o ESA-ESRIN, Italy: BEAM

Antonio Araujo, IGP, Portugal: BEAM, LULC
# Programme overview

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Muriel Simon

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- SAR theory
- Optical theory
- Thermal theory
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Missions, Instruments

Tools, Methods
LAND RESOURCES

LULC
- Forestry
- Agriculture

WATER

Water resources

DISASTER MANAGEMENT

- Fires and burnt areas
- Floods
- Terrain motion

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Training course structure

• Full audience:
  • Lectures on Missions, Instruments, Tools on Tuesday
  • All application lectures
  • Opening and closing sessions

• Modular sessions:
  • Theory on Monday (Room 3, Room 4)
  • Practical sessions, Tuesday – Friday (Room 1, Room2)

• Allocation per module:
  • Reminder e-mail sent last week, **Check with us if in doubt!**
  • Presence sheet at each session

Room sizes are limited = Please respect your initial allocation!
Training Material

- Bags
- Handouts theory at registration *check you have the right one!*
- Handouts practicals each day

- All lectures available online after the training course
  - [http://earth.esa.int/landtraining07](http://earth.esa.int/landtraining07)
- Not the data!
- Communication material: please help yourselves
Logistics
• Opening hours: 08:00 – 23:00
• Computers of Room 1 and 2 in self-service
• Internet access: out of training hours!
• Phone box

• Anything else: please ask the team
  ➢ Registration desk: until Monday lunchtime
  ➢ Queries: Filomena Caria, 2nd floor
  ➢ Look for the Orange badges!
• Start / End time: Variable, check the programme
• Tomorrow: 09:00 – 18:30

• Lunch break: 1h30’, University canteen, don’t forget the tickets
• Coffee breaks: 30’, twice a day, registration area

• Social events:
  – Welcome cocktail tonight at 18:00 in the patio area
  – Dinner on Thursday evening: departure from ISEGI at 19:45

  Don’t be late!
• Wishing you a successful training week!