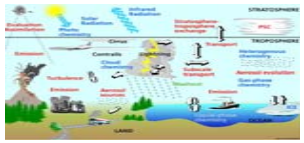
Introduction to the training course

Muriel Simon and the Organization team

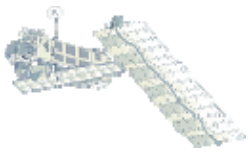
2 September 2007

- 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.



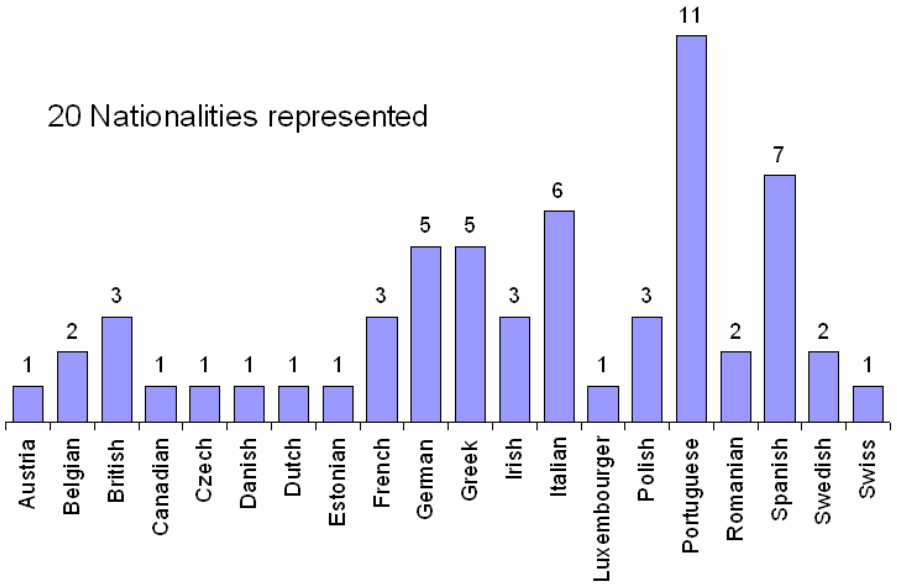
•Enable a better understanding of the key concepts of the ESA ERS and Envisat missions, in particular with respect to land remote sensing.

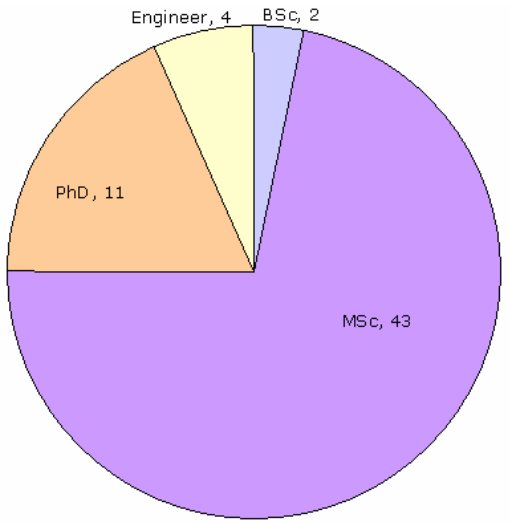
•Provide hands-on experience with tools and methods used for the exploitation of ERS and Envisat satellite data.

•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

Day 0 – Sunday 2 September: Opening Session
Day 1 – Monday 3 September – SAR, Optical and Thermal Theory
Day 2 – Tuesday 4 September – Missions, Instruments, Tools
Day 3 – Wednesday 5 September – Land resources applications
Day 4 – Thursday 6 September – Disaster management applications
Day 5 – Friday 7 September: Water resources, Closing Session

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- SAR theory

- Optical theory

- Thermal theory

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Missions, Instruments

Tools, Methods

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LAND RESOURCES



LULC


Forestry


Agriculture

+

DISASTER MANAGEMENT


Fires and burnt areas



Floods



Terrain motion

WATER



Water resources

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*
- Not the data!
- Communication material: please help yourselves

Logistics


Map
Satellite
Hybrid
Damaia
Buraca
IC19
Alfragide
IC17
São Domingos de Benfica
São João de Deus
Alto do Pina
Beato
Penha de França
São João
São Jorge de Arroios
Campolide
A5
E01
Santa Isabel
São José
Graça
Santa Justa
Santa Engrácia
São Vicente de Fora
Santo Condestável
Encarnação
Prazeres
Alcântara
São Paulo
Lisboa
Sé
Santo Estêvão
Prof Lima Basto
Praça de Espanha
Ns. de Fátima
Jardim Calouste Gulbenkian
São Sebastião
Av. José Malhoa
R. Fialho de Almeida
ISEGI-UNL
City
Parque
1 mi
1 km
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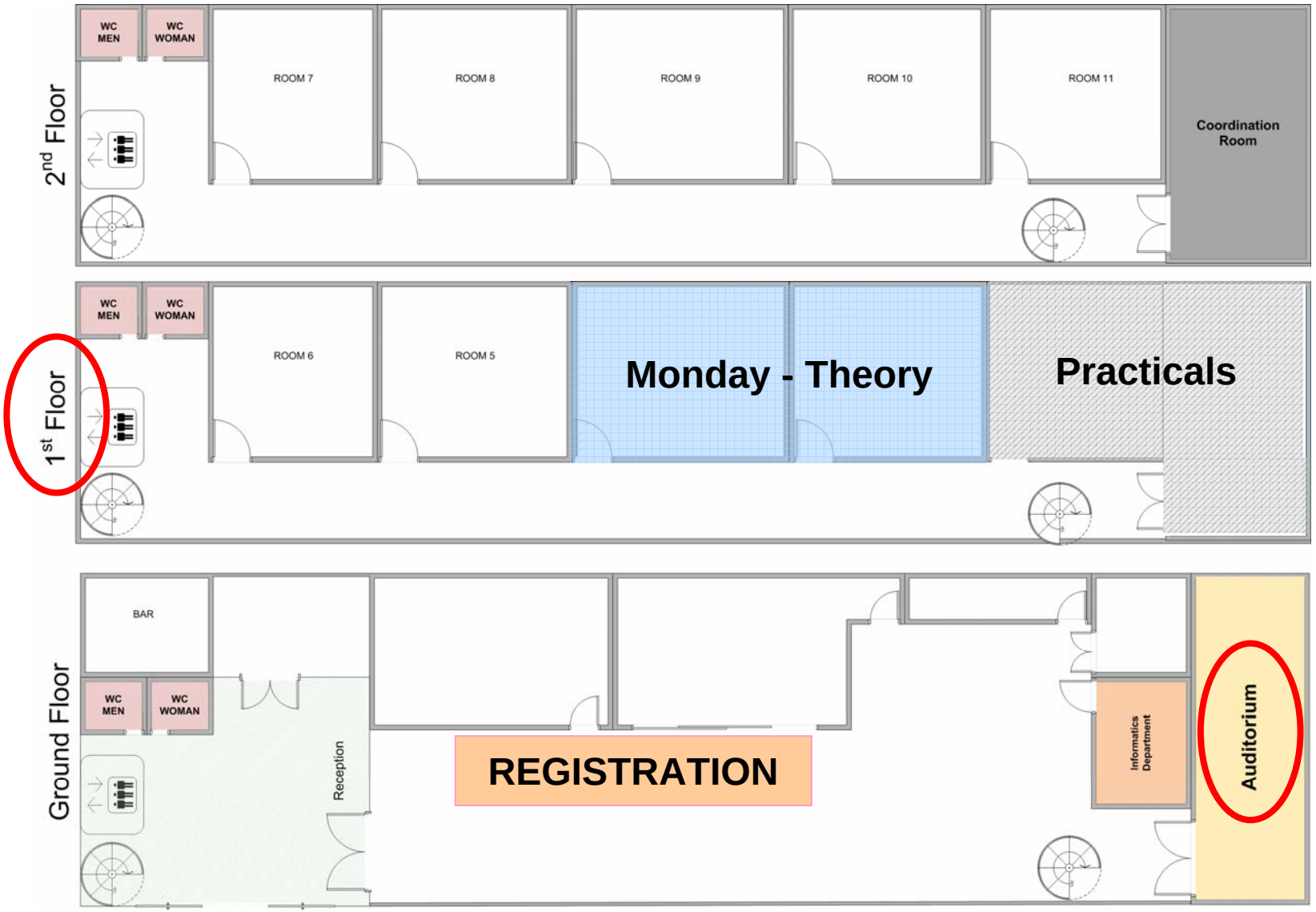
2nd Floor
WC MEN
WC WOMAN
ROOM 7
ROOM 8
ROOM 9
ROOM 10
ROOM 11
Coordination Room
1st Floor
WC MEN
WC WOMAN
ROOM 6
ROOM 5
Monday - Theory
Practicals
Ground Floor
BAR
WC MEN
WC WOMAN
Reception
REGISTRATION
Informatics Department
Auditorium

- 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!