

→ 4th ADVANCED COURSE ON RADAR POLARIMETRY

30 January – 2 February 2017 | ESA-ESRIN | Frascati (Rome), Italy

Chris Stewart

RSAC c/o ESA/ESRIN

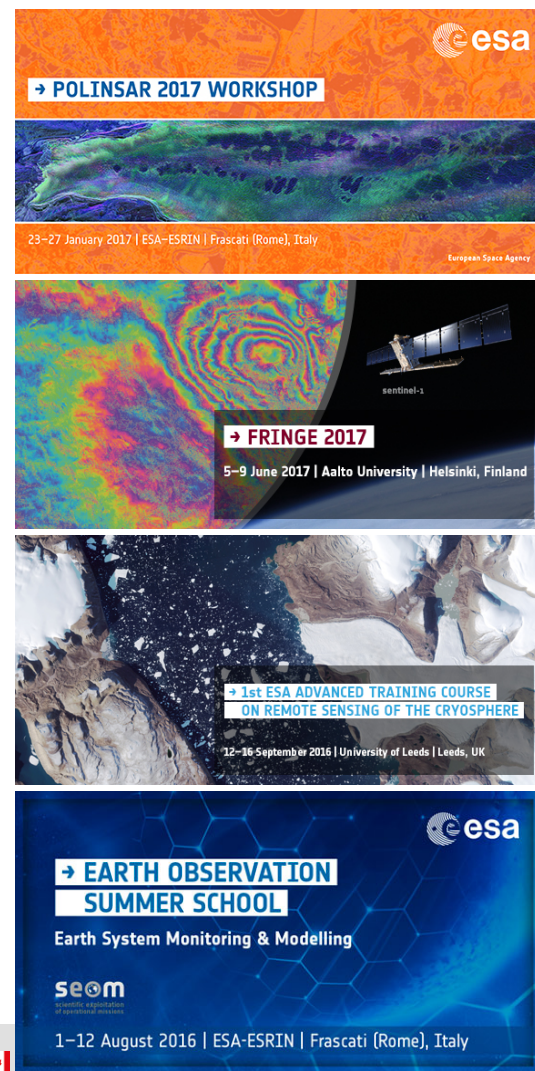
Course Context

ESA ADVANCED TRAINING COURSES

- Action of **SEOM** (Scientific Exploitation of Operational Missions) element of EOEP-4 (Earth Observation Envelope Programme)

SEOM Objectives

- **RESEARCH and DEVELOPMENT STUDIES**
Stimulate research and exploitation of operational missions.
- **SCIENTIFIC TOOLBOXES DEVELOPMENT**
Provide OS tools to the scientific community.
- **USERS' CONSULTATIONS**
Organise thematic workshops for scientific consultation and user feedback.
- **TRAINING NEXT GENERATION SCIENTISTS**
Foster emergence of next generation EO scientists through thematic training.
- **PROMOTING SCIENCE DATA USE AND RESULTS**
Promote widespread scientific use of European data and publicise results.



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ESA | 01/01/2016 | Slide 3



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4th in the series of Advanced Courses on Radar Polarimetry: 2015, 2013, 2011.
Always held at ESA/ESRIN in Frascati

Organising Committee

- Yves-Louis Desnos (ESA)
- Chris Stewart (RSAC c/o ESA)
- Sabrina Lodadio (Serco c/o ESA)

Training Team

- Prof Eric Pottier, University of Rennes, France
- Prof Laurent Ferro-Famil, University of Rennes, France
- Prof Stefano Tebaldini, Politecnico di Milano (POLIMI), Italy
- Prof Irena Hajnsek, German Aerospace Center (DLR), Germany
- Mr Chris Stewart, RSAC c/o European Space Agency (ESA), Italy
- Dr Michael Foumelis, RSAC c/o ESA, Italy
- Dr Klaus Scipal, ESA, Netherlands
- Dr Malcolm Davidson, ESA, Netherlands
- Dr Pierre Potin, ESA, Italy

Participants

Countries	21
ESA Member State (or PECS Member)	15
Non-ESA Member State	6

52 Selected Participants

Female	27
Male	25

Gender

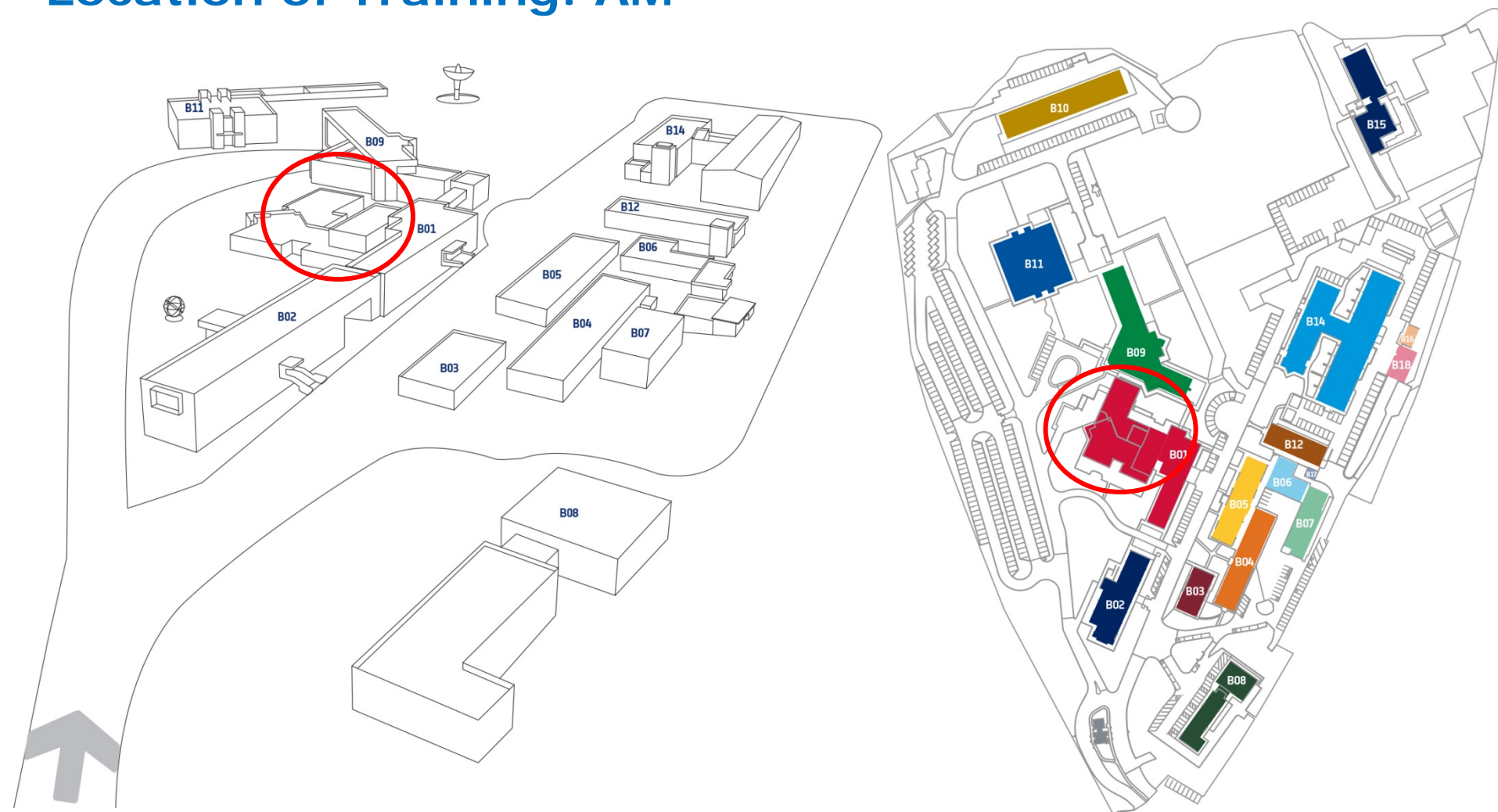
- PhD students
- Post-Doc researchers
- Bachelor's and Master's students
- Industry, service community

Background

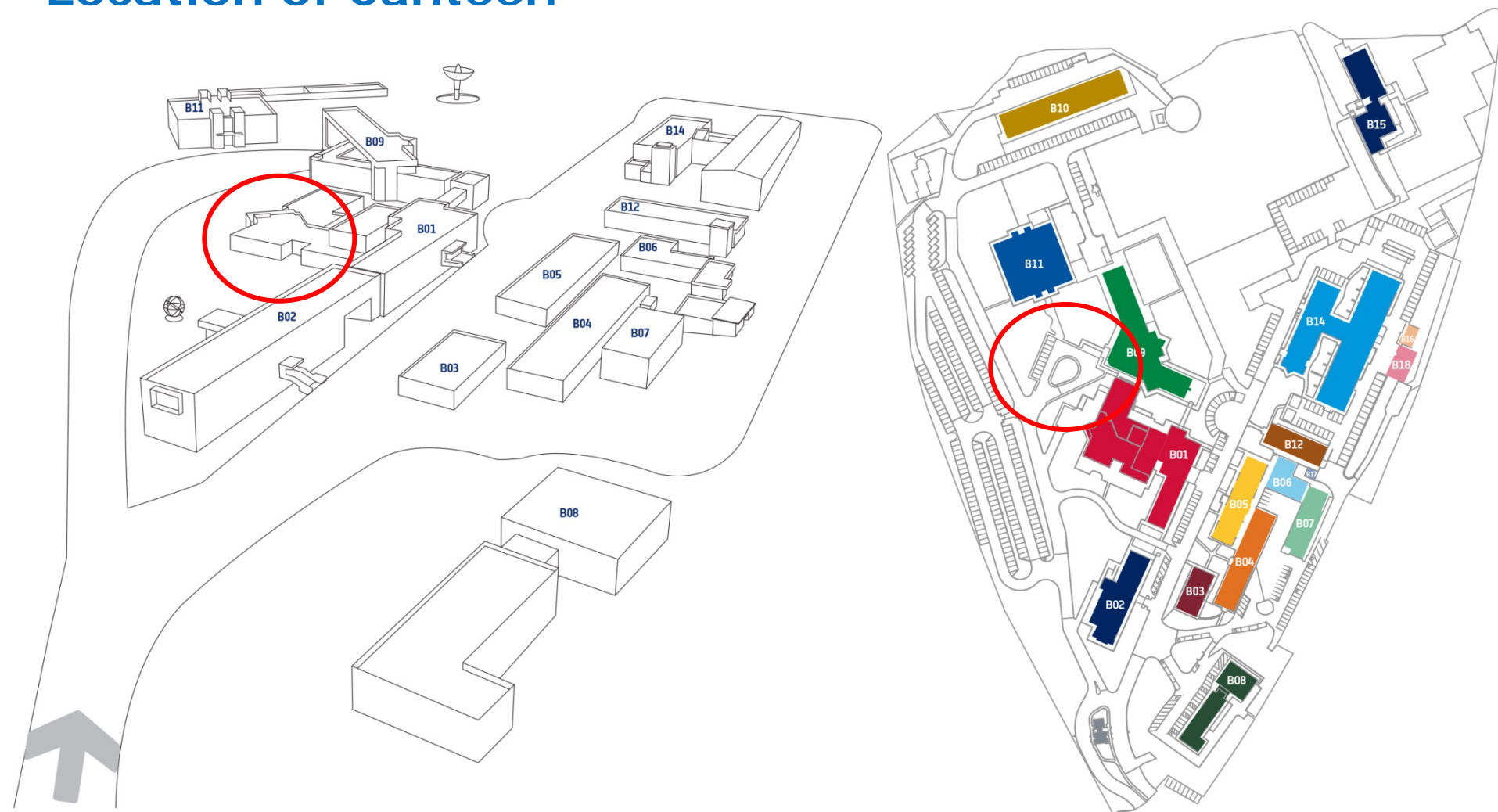
	Mon 30 Jan	Tue 31 Jan	Wed 1 Feb	Thu 2 Feb
09:00-09:15	Registration	PolSAR theory Eric Pottier (University of Rennes, France)	TanDEM-X and TanDEM-L Irena Hajnsek (DLR, Germany)	Sentinel-1 Pierre Potin (ESA/ESRIN, Italy)
09:15-09:30	Welcome from ESA Yves-Louis Desnos (ESA/ESRIN, Italy)		Pol-InSAR theory Irena Hajnsek (DLR, Germany)	Pol-TomoSAR theory Laurent Ferro-Famil (University of Rennes, France) and Stefano Tebaldini (POLIMI, Italy)
09:30-10:00	BIOMASS Klaus Scipal (ESA/ESTEC, Netherlands)			
10:00-11:30	PolSAR theory Eric Pottier (University of Rennes, France)			
11:30-11:45	Coffee Break			
11:45-13:00	PolSAR theory Eric Pottier (University of Rennes, France)	PolSAR theory Eric Pottier (University of Rennes, France)	Pol-InSAR theory Irena Hajnsek (DLR, Germany)	Pol-TomoSAR theory Laurent Ferro-Famil (University of Rennes, France) and Stefano Tebaldini (POLIMI, Italy)
13:00-14:00	Lunch			
14:00-15:15	Practical with ESA OS toolboxes Eric Pottier (University of Rennes, France), Chris Stewart and Michael Foumelis (RSAC c/o ESA/ESRIN, Italy)	Practical with ESA OS toolboxes Eric Pottier (University of Rennes, France), Chris Stewart and Michael Foumelis (RSAC c/o ESA/ESRIN, Italy)	Pol-InSAR practical Irena Hajnsek (DLR, Germany)	Pol-TomoSAR practical Laurent Ferro-Famil (University of Rennes, France) and Stefano Tebaldini (POLIMI, Italy)
15:15-15:30	Coffee Break			
15:30-16:00	Practical with ESA OS toolboxes Eric Pottier (University of Rennes, France), Chris Stewart and Michael Foumelis (RSAC c/o ESA/ESRIN, Italy)	SAOCOM-CS and airborne campaigns Malcolm Davidson (ESA/ESTEC, Netherlands)	Pol-InSAR practical Irena Hajnsek (DLR, Germany)	Pol-TomoSAR practical Laurent Ferro-Famil (University of Rennes, France) and Stefano Tebaldini (POLIMI, Italy)
16:00-16:30		Practical with ESA OS toolboxes Chris Stewart and Michael Foumelis (RSAC c/o ESA/ESRIN, Italy)		
16:30-17:00				

Colour code			
	Mission presentation	Theory	Practical

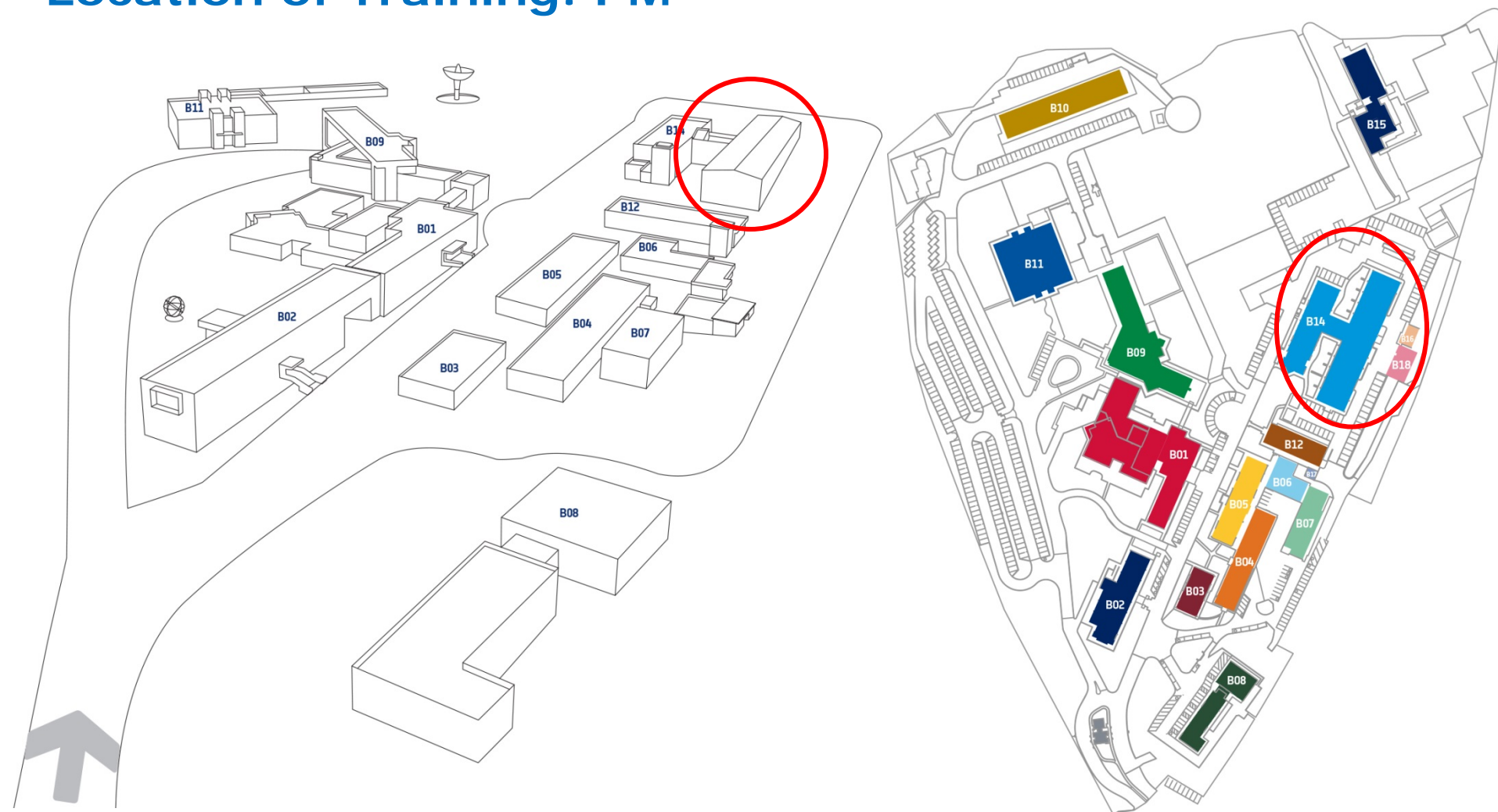
Location of Training: AM



Location of Canteen



Location of Training: PM



Computer Practicals

Login: Polarimetry2017

Password: Polarimetry.2017

Directory structure:

C:\4thRadarPolarimetry2017

\Cstewart

\Epottier

\Ihajsek

\Kscipal

\LFerroFamili

\Data

\Software

Internet Connection: LAN (*No web surfing or checking mail during course please!!*)

- You should have received:
 - **Welcome pack**
 - **Badge**
- At the end of the course you will get a **Certificate of attendance**
- Training **course material** will be available on the website after the course
- Tuesday 31st non hosted dinner at Raro in Frascati (15 euros per person). 19:30 to 20:00. Can buy tickets today at coffee break from registration desk.

If you have any questions, please ask the organising team

Online Course Evaluation

1. How would you rate the course?

- ☐ Excellent
- ☐ Very good
- ☐ Good
- ☐ Fair
- ☐ Poor

We will ask you to provide feedback to improve future courses:

- Online questionnaire.
- 10 minutes to complete.
- The questionnaire is anonymous.

Comments

**We wish you a pleasant stay
in Frascati
and a successful Training
Course!**