



# Continuing Education on Radiation

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G. Bourban, Deputy Director, Swiss Space Center  
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***“The Swiss Space Center shall support institutions, academia and industry to access space missions and related applications and promote interaction between these stakeholders”***



# Roles and Responsibilities

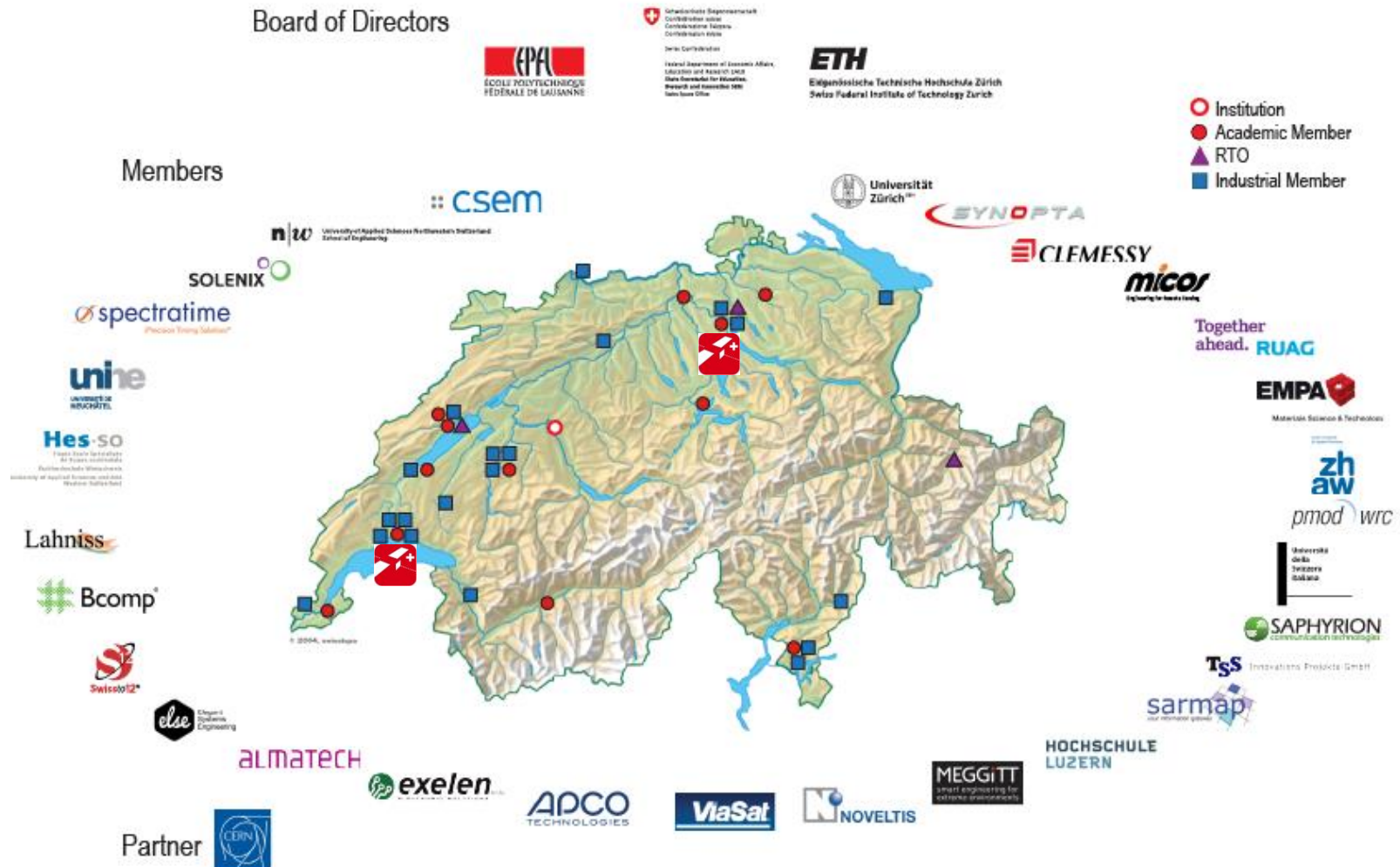
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- Swiss Space Office
  - prepares and implements the Swiss Space Policy (SSP)
  - represents Switzerland in the ESA Council and its subordinate bodies
  - implements the complementary national activities
  - coordinates space activities at Federal level
- Swiss Space Center supports SSO in implementing the SSP by
  - networking Swiss actors at national and international level
  - facilitating access to space projects for established actors and for newcomers
  - providing education and training
  - promoting public awareness of space

# Geographical distribution



swiss space center Membership 2017



# Continuing Education

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Numbers of courses organized in  
2015 / 2016:

- **ESA Space Segment Software through ECSS and SAVOIR (09.2016)**  
By Jean-Loup Terrailon, ESA
- **Reliability for Space (02.2016)**  
with CSEM, by L. Marchand and T. Ghidini, ESA
- **Model-driven Systems Engineering (09.2015)**  
by Dr. Laurent Balmelli, COO AND CO-FOUNDER  
of the Sana Elias Group
- **The Role of Failure Investigation in the Space Systems Safety (02.2015)**  
by T. Ghidini, Head TEC-QTM, ESA



# Program for today

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- 10h00-10h15 Welcome and Introduction (SSC, CERN Knowledge Transfer)
- 10h15 -12h15 Basic definitions/Space environment (Hugh Evans, ESA)
- 12h15 – 13h30 Lunch Break
- 13h30 - 15h30 SEE effect, mechanism and testing (Cesar Boatella Polo, ESA)
- 15h30 – 16h00 Coffee Break
- 16h00 – 17h30 TNID effects, mechanism and testing (Christian Poivey, ESA)
- 19h00 *Gala dinner at CERN*

# Program for tomorrow

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- 8h30 – 10h00 TID effect, mechanisms and testing (Marc Poizat, ESA)
- 10h00 – 10h30 Coffee Break
- 10h30 – 12h00 Radiation Hardness Assurance of space systems  
(Christian Poivey, ESA)
- 12h00 – 13h00 Lunch break
- 13h00 – 14h00 COTS Components at CERN (Raffaello Secondo, CERN)
- 14h00 – 15h30 CERN radiation facilities tour
- 15h30 End of the workshop

# Contact

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