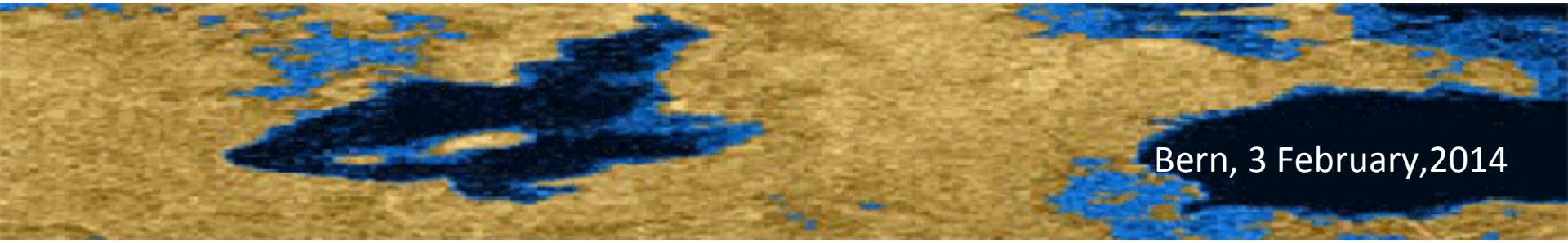
Best regards from EARSeL

Lena Halounová

EARSeL Vice-Chairperson



European Association of Remote Sensing Laboratories

A European Network

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→ Image References

Brochure
EARSeL Flyer



Envisat ASAR radar image of the island of Crete
Composite of 3 passes , Dec 2010, Jan & March 2011

Jobs
Summer Schools

EARSeL announcements

7th EARSeL Workshop Special Interest Group of Remote Sensing on Land Ice and Snow: Remote sensing of the Earth's Cryosphere: Monitoring for climate studies and operational applications

3. - 6. February 2014, University of Bern, Bern, Switzerland

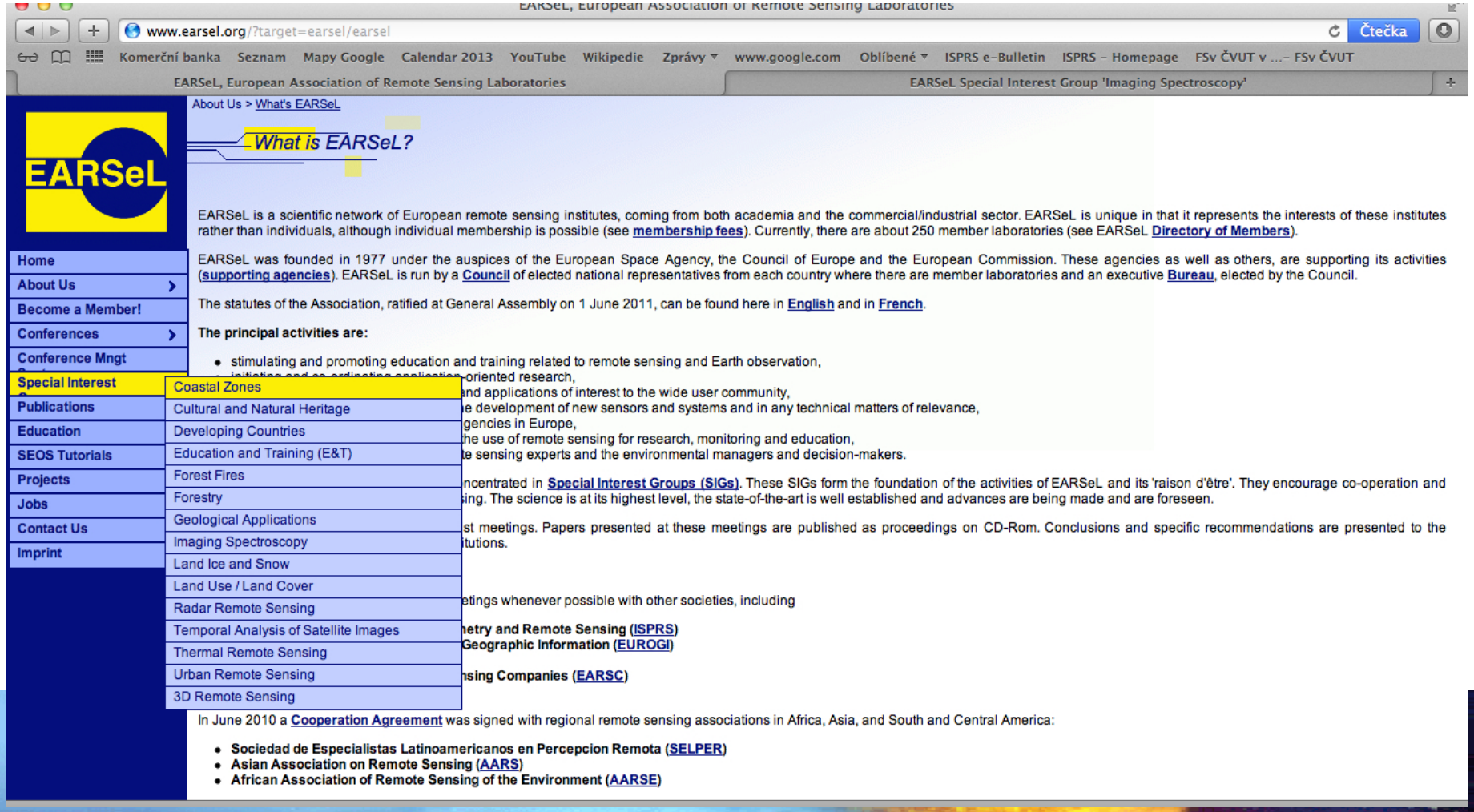


European Association of Remote Sensing Laboratories

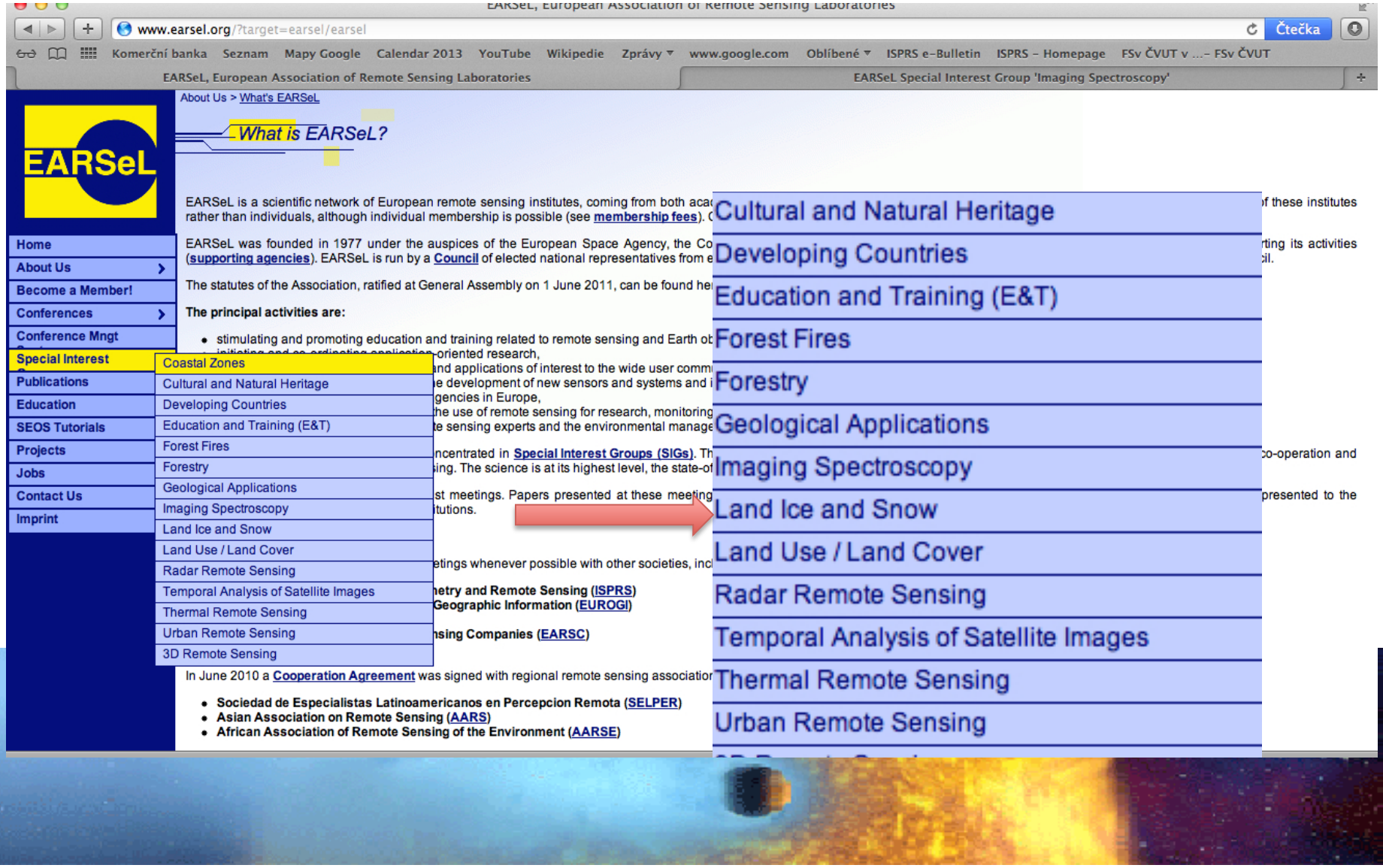
220 – 300 members – laboratories

Bureau – Council – General Assembly

Special interest groups – SIG's



Special interest groups – SIG's



Special interest groups – SIG's

EARSeL

Special Interest Group of Land Ice and Snow

European Association of
Remote Sensing Laboratories

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Land Ice and Snow

The cryosphere covers a large amount of the Earth's surface and is subject to strong inter-annual changes and a high variability. Especially in mountain regions, the dynamic of snow accumulation and ablation is important for human life and ecosystem services amongst others. Depending on latitude, elevation and climate, water runoff, and therefore water supply for irrigation, tourism and power generation derives mostly from snow and to some extent from glaciers. Furthermore, the cryosphere is an essential component in the climate system and is of great interest to the research community. Only remote sensing of snow, ice and glaciers by means of satellite sensors can give us a detailed view on the dynamics and long-term changes of snow and ice covered regions. The EARSeL Special Interest Group on Land Ice and Snow (SIG LIS) aims to bundle methodological and application-oriented research activities in this thematic field. The workshops shall provide a platform for scientific exchange and discussion on a variety of related topics.



View from the Jungfraujoch on the Aletsch Glacier



Local receiving station in Bern

1976: EARSeL was founded

An **informal meeting** on problems concerning remote sensing was held in Paris (1st **May 1976**) in the offices of the

French Secretary of State for Education

on the **initiative of**

ESA Directorate of Planning and Future Programme

it was **unanimously agreed** to **strengthen the activity in remote sensing within Europe**



In the short term it was decided to organize a meeting in Toulouse.

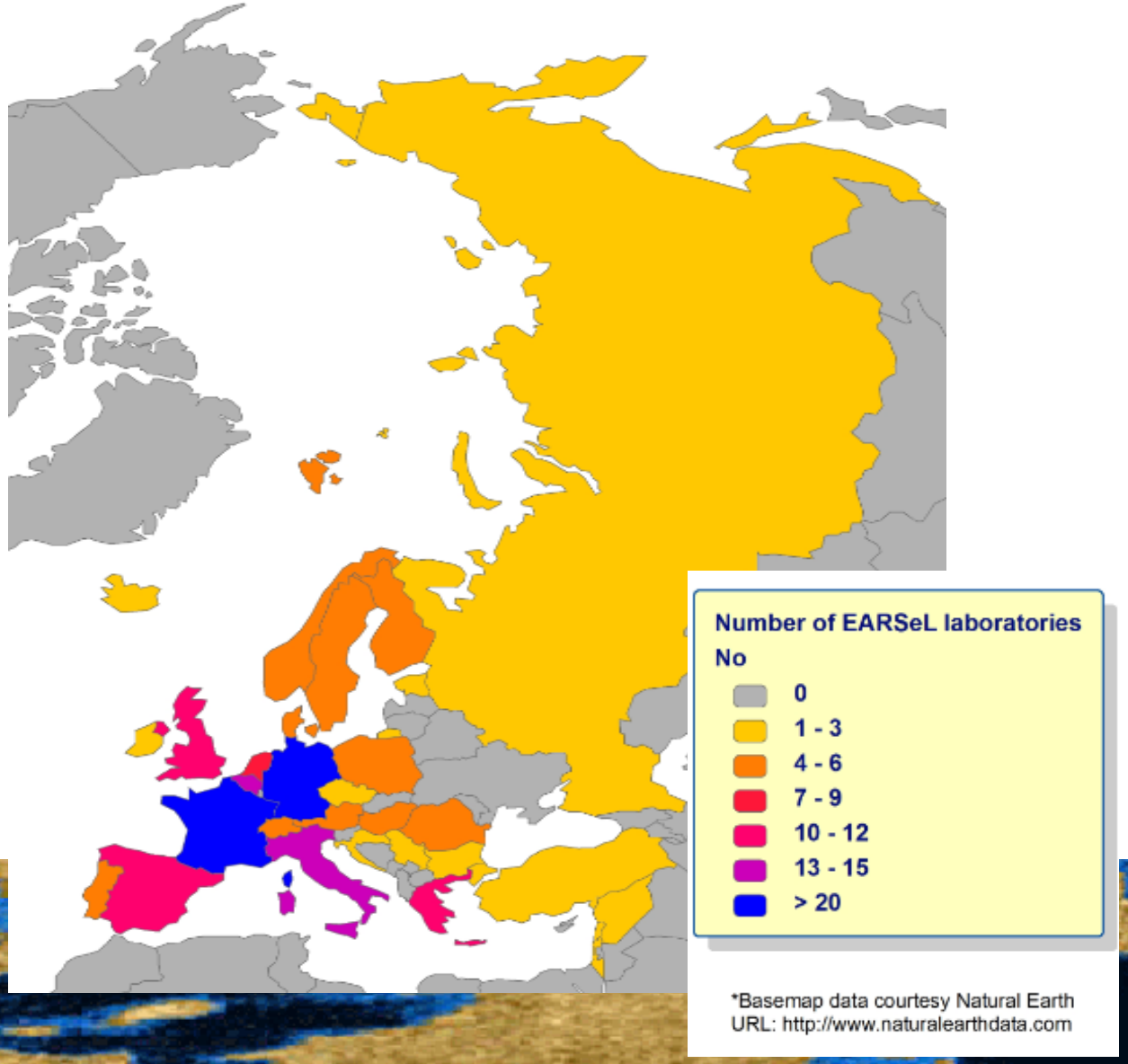
EARSeL (the European Association of Remote Sensing Laboratories) was founded in 1976.

EARSeL: A European Network …who we are…

From the initially 7 members…

…up to 300 at its peak…

to fluctuate around 220 the last years



…major events and assemblies since 1976

the conference train

1977 GA Strasbourg

1978 GA Munich

1979 GA Barcelone

1980 GA Venice

1981 Voss

1982 Igls

1983 Brussels

1984 Guildford

1985 Strasbourg

1986 Lyngby

1987 Noordwijk

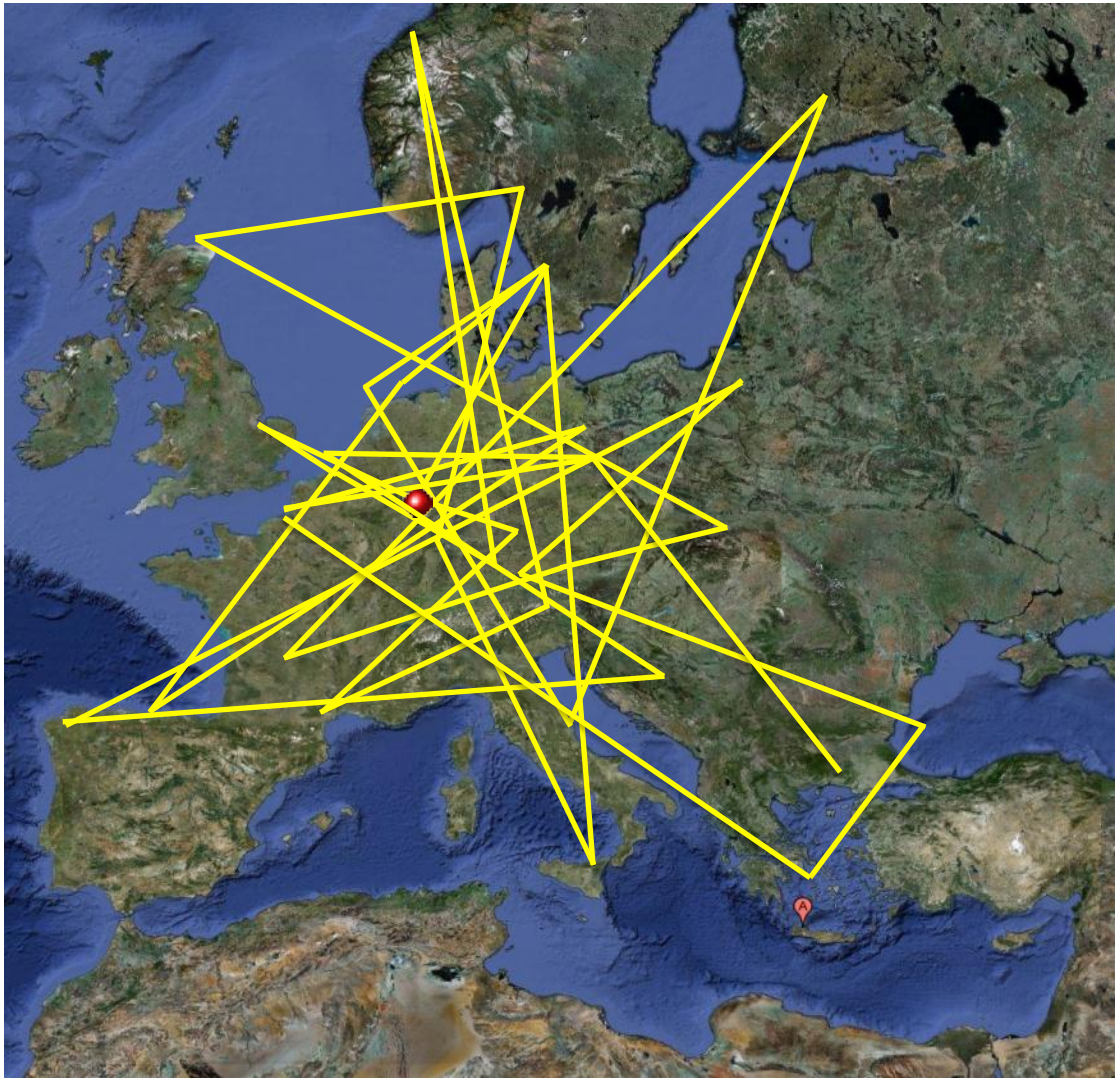
1988 Capri

1989 Helsinki

1990 Toulouse

1991 Graz

1992 Eger



2013 Matera

1993 Dundee

1994 Gothenborg

1995 Basel

1996 Malta

1997 Lyngby

1998 Enschede

1999 Valladolid

2000 Dresden

2001 Paris

2002 Prague

2003 Ghent

2004 Dubrovnik

2005 Porto

2006 Warsaw

2007 Bolzano

2008 Istanbul

2009 Chania

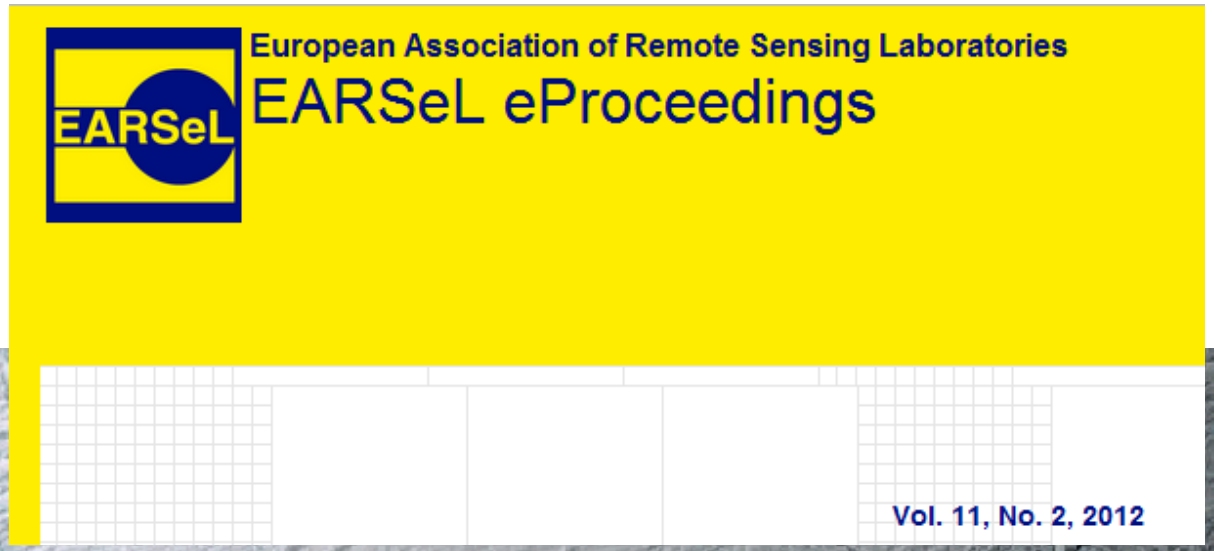
2010 Paris

2011 Prague

2012 Mykonos

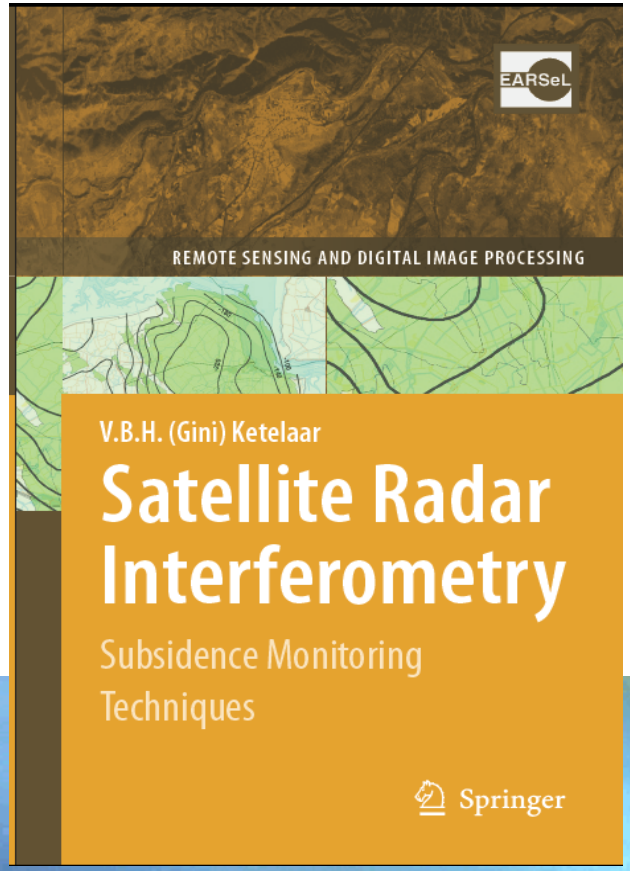
Activities since 1976 - publications

- Regular publication of the Annual Symposium Proceedings
- Regular publication of the quarterly Newsletter
- Maintenance and update of EARSeL's internet site with news, material, and new jobs
- Establishment of the "EARSeL e-Proceedings" open access Journal, online.

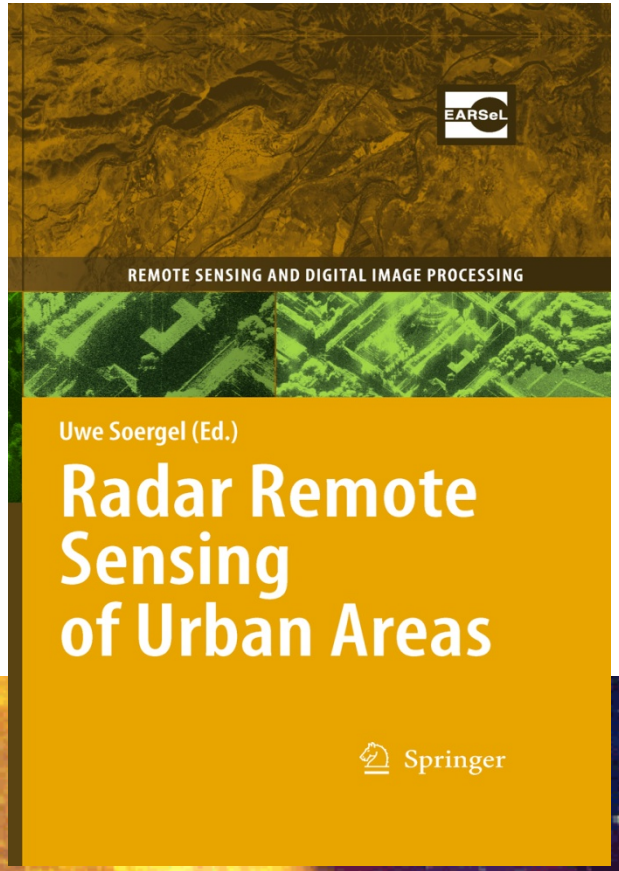


Activities since 1976 - publications

- EARSeL Book Series "Remote Sensing and Digital Image Processing" with 5 published books, and other 3 programmed, freely distributed to the members

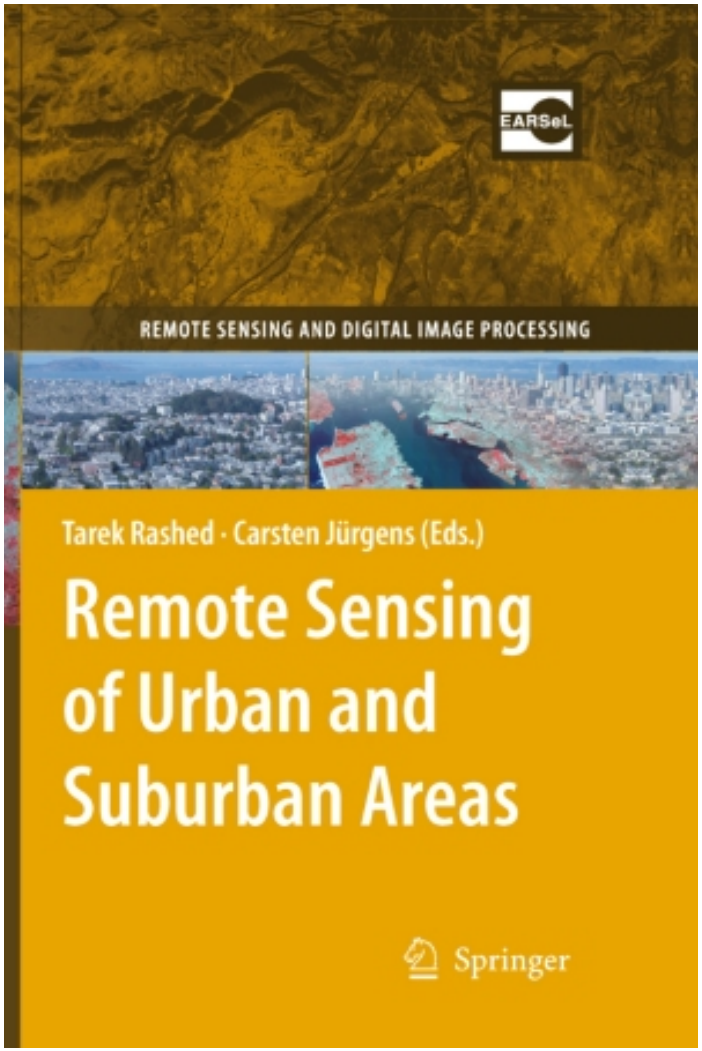


2009



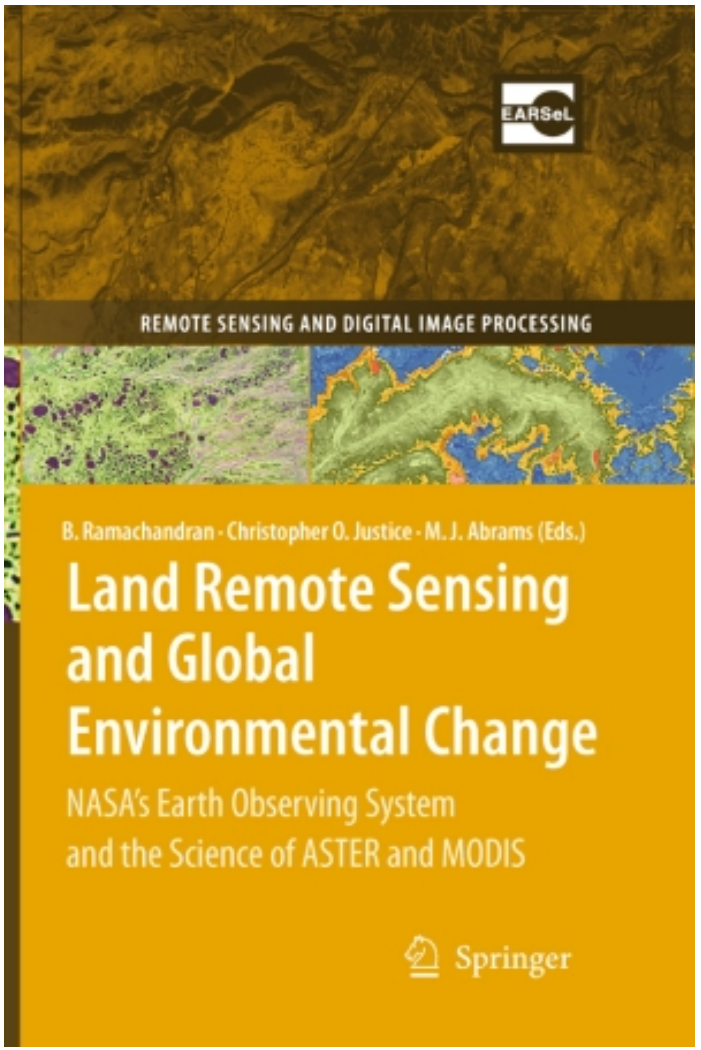
2010

Activities since 1976 - publications

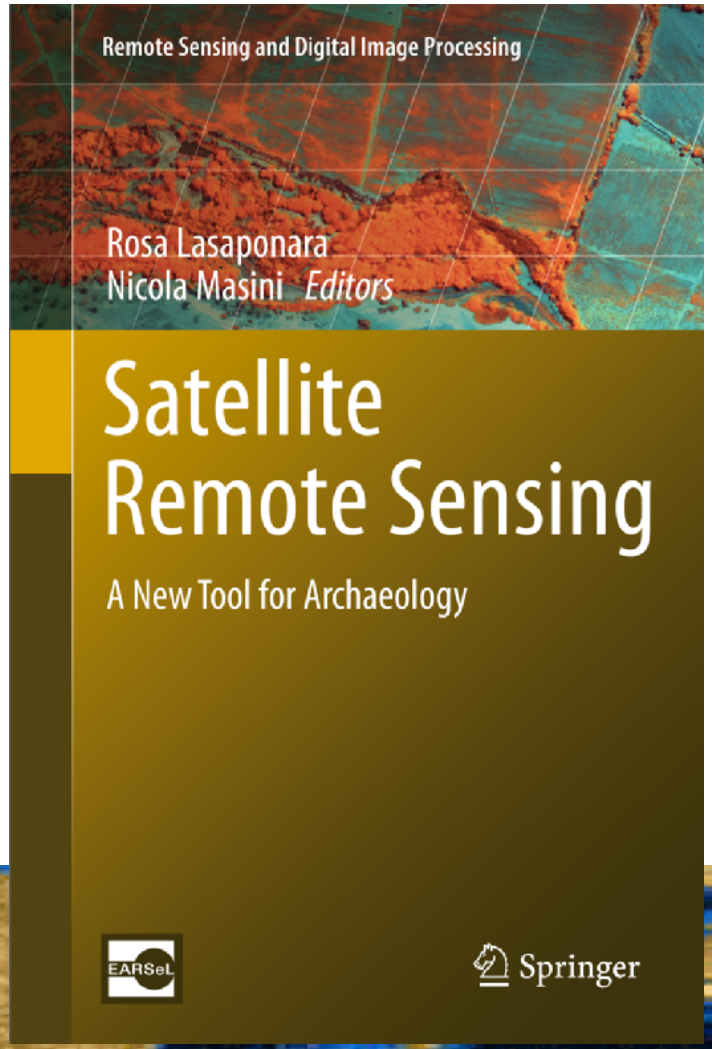


2010

2011



Activities since 1976 - publications



2013

- C Künzer, S Dech:
  Thermal Remote Sensing:
  Sensors, Methods, Applications
  (2012/13)
- S Wunderle:
  Remote Sensing of the Northern
  Hemisphere (2013)

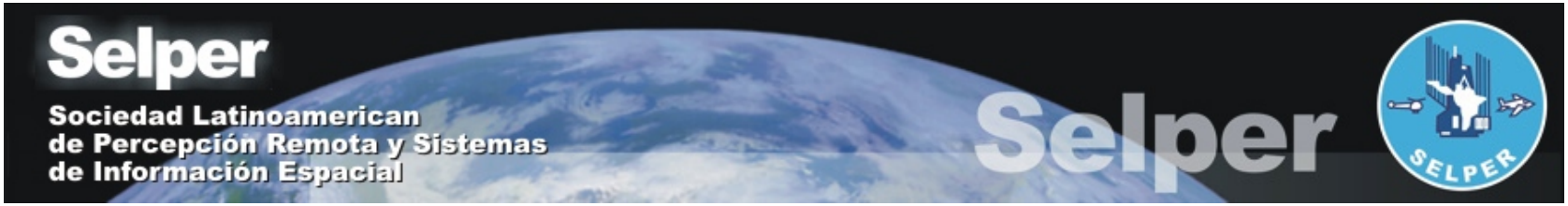
Activities since 1976 – cooperation and expansion

-



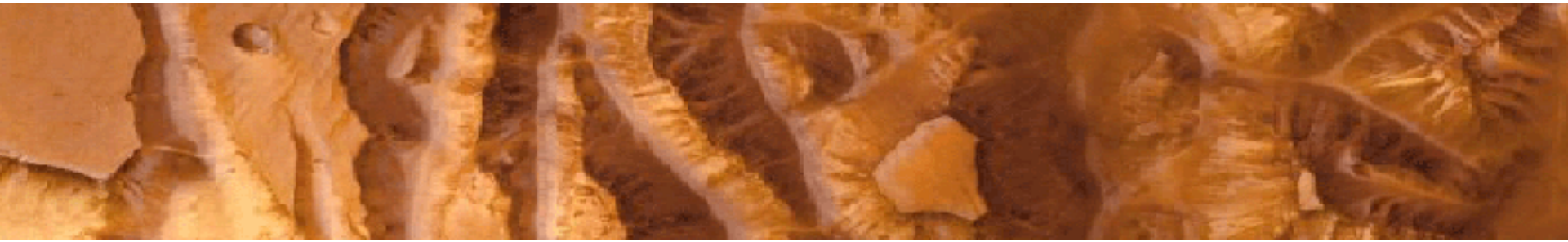






Special Interest Group of Land Ice and Snow

- **1st EARSeL WORKSHOP -** April 1997, *Remote Sensing of Land Ice and Snow*, **Freiburg Germany**
- **2nd Workshop on Remote Sensing of Land Ice and Snow -** March 2000 **University of Berne, Switzerland**
- **3rd EARSeL WORKSHOP**
- **4th EARSeL WORKSHOP**
- **5th EARSeL WORKSHOP** *Remote Sensing of Snow and Glaciers Changing Climate – Changing Cryosphere* **11-13 February 2008, University of Berne, Switzerland**
- **6th EARSeL Workshop on** *Remote Sensing of Land Ice and Snow:Cryosphere, Hydrology and Climate Interactions*, **7 February 2011, University of Berne, Switzerland**
- **7th EARSeL WORKSHOP** *Remote Sensing of the Earth's Cryosphere: Monitoring for operational applications and climate studies* 3 – 6 February, 2014, **University of Berne, Switzerland**.



7th EARSeL Workshop on land Ice and snow

Berne 2014



7th EARSeL Workshop on land Ice and snow

Berne 2014



See you in Warsaw 16 – 20 June 2014

European Association of Remote Sensing Laboratories

34th EARSeL Symposium

European remote sensing - new opportunities for science and practice

16-20 June 2014 University of Warsaw, Poland

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- Accommodation
- Venue
- Social Events
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Welcome to the *34th EARSeL Symposium 2014*

16-20 June 2014, Warsaw, Poland

accompanied by:

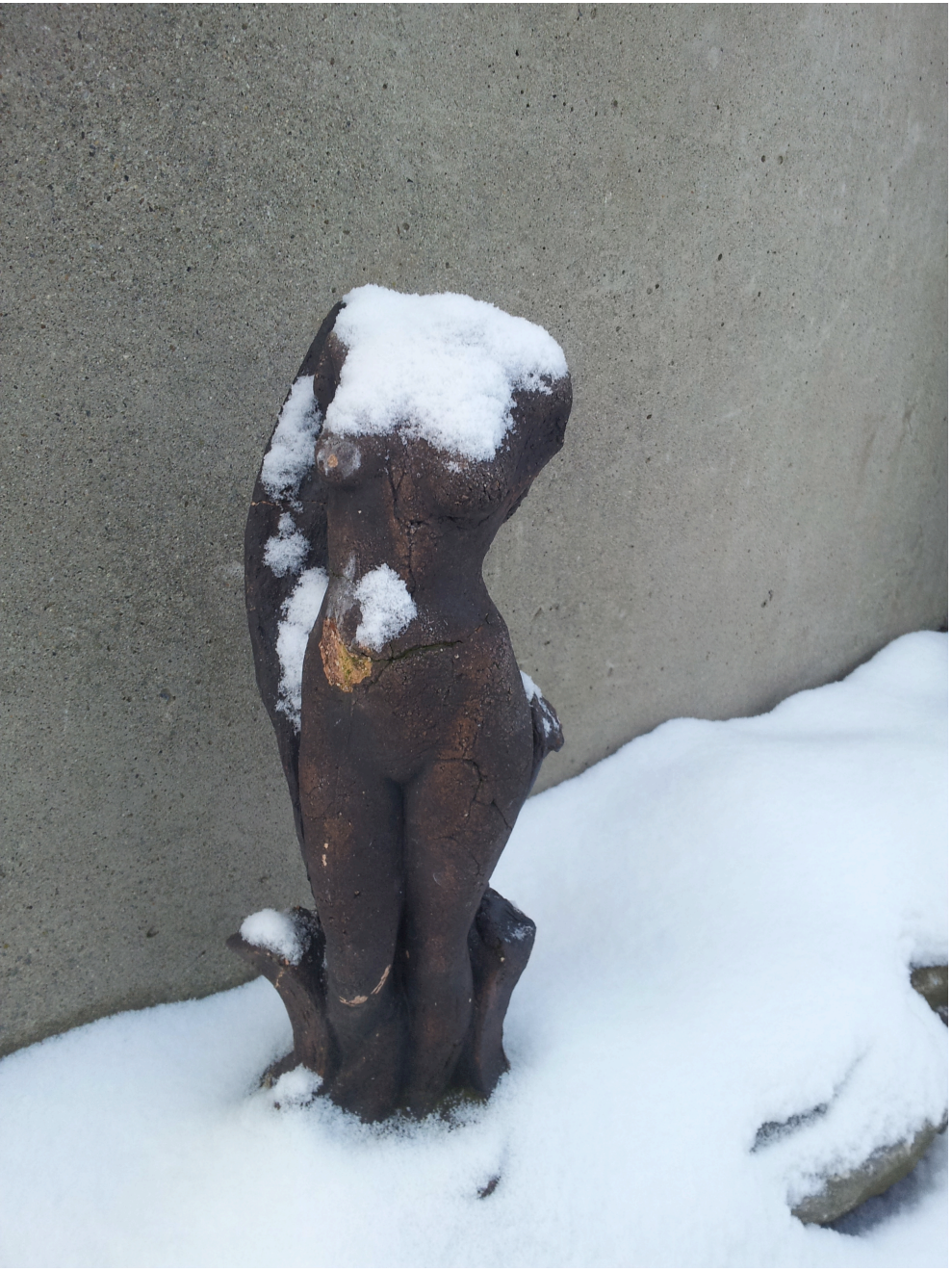
Joint Workshop of EARSeL Special Interest Groups 3D Remote Sensing and Urban Remote Sensing, Warsaw, 19-20 June 2014

5th Workshop of SIG Geological Applications, Warsaw, 19-20 June 2014

2nd Workshop of EARSeL Special Interest Group on Forestry Remote Sensing for Forestry Applications - New Challenges, Approaches and Achievements, Warsaw, 17-18 June 2014

EARSeL & ISPRS Young Scientist Days





enjoy the

7th EARSeL workshop on Land Ice and Snow


Thank you