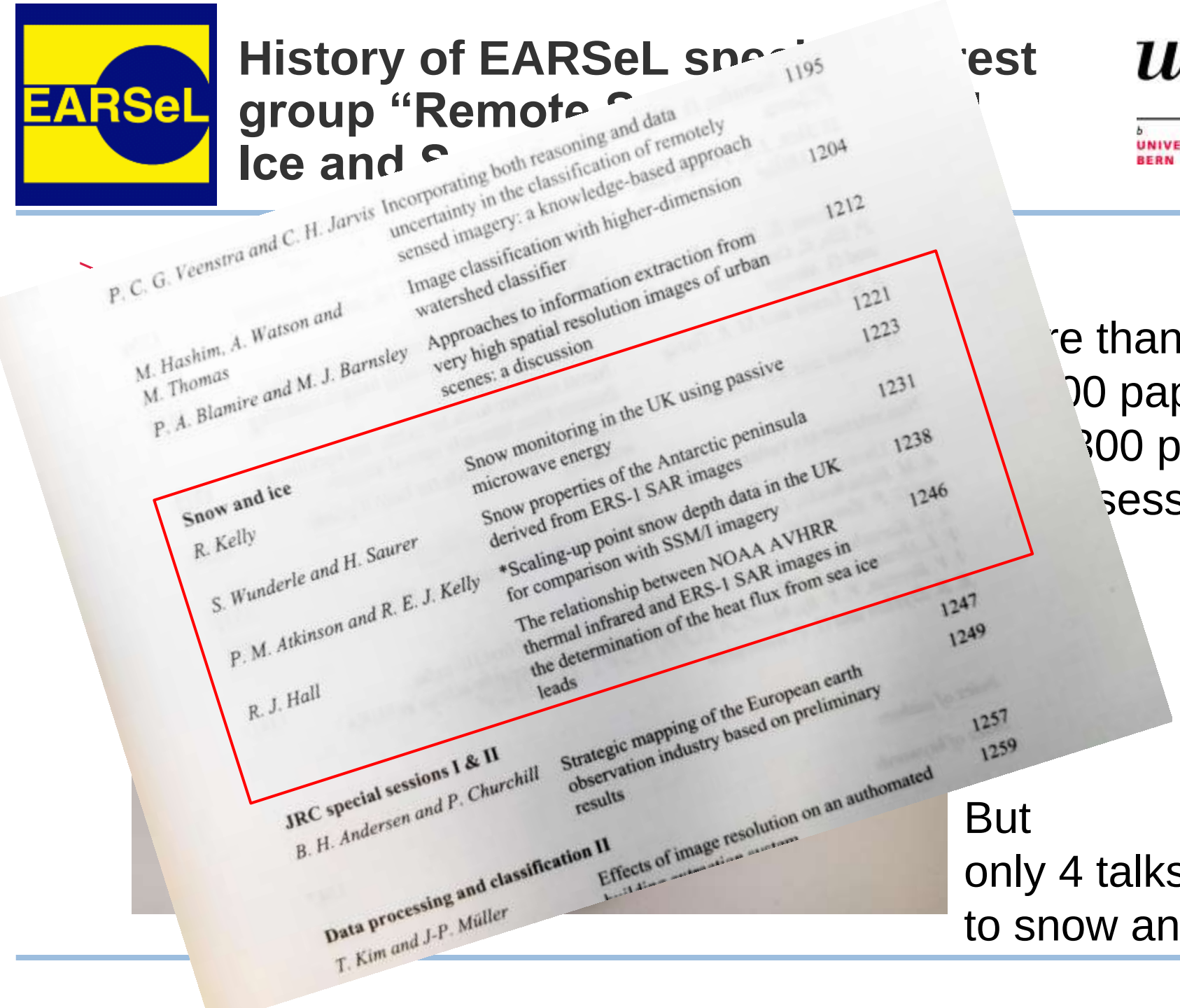
Welcome

8th EARSeL workshop on Land Ice and Snow – 7.-9. February 2017

Remote Sensing of the Cryosphere

Past – Present – Future

History of EARSeL spec… …est group "Remote S… Ice and S…



P. C. G. Veenstra and C. H. Jarvis — Incorporating both reasoning and data uncertainty in the classification of remotely sensed imagery: a knowledge-based approach — 1195

M. Hashim, A. Watson and M. Thomas — Image classification with higher-dimension watershed classifier — 1204

P. A. Blamire and M. J. Barnsley — Approaches to information extraction from very high spatial resolution images of urban scenes: a discussion — 1212

Snow and ice

R. Kelly — Snow monitoring in the UK using passive microwave energy — 1221

S. Wunderle and H. Saurer — Snow properties of the Antarctic peninsula derived from ERS-1 SAR images — 1223

P. M. Atkinson and R. E. J. Kelly — *Scaling-up point snow depth data in the UK for comparison with SSM/I imagery — 1231

R. J. Hall — The relationship between NOAA AVHRR thermal infrared and ERS-1 SAR images in the determination of the heat flux from sea ice leads — 1238

JRC special sessions I & II

B. H. Andersen and P. Churchill — Strategic mapping of the European earth observation industry based on preliminary results — 1246

Data processing and classification II

T. Kim and J-P. Müller — Effects of image resolution on an authomated … — 1247

… — 1249

… — 1257

… — 1259

…re than
…00 papers
…300 pages
…sessions

But
only 4 talks related
to snow and ice

History of EARSeL special interest group “Remote Sensing of Land Ice and Snow”

UNIVERSITÄT BERN

- 1997: 1st WS of LISSIG with 20 oral presentations



1997 – 2017
20th anniversary of LISSIG

Participants of the first hour attending also the 2017 WS:

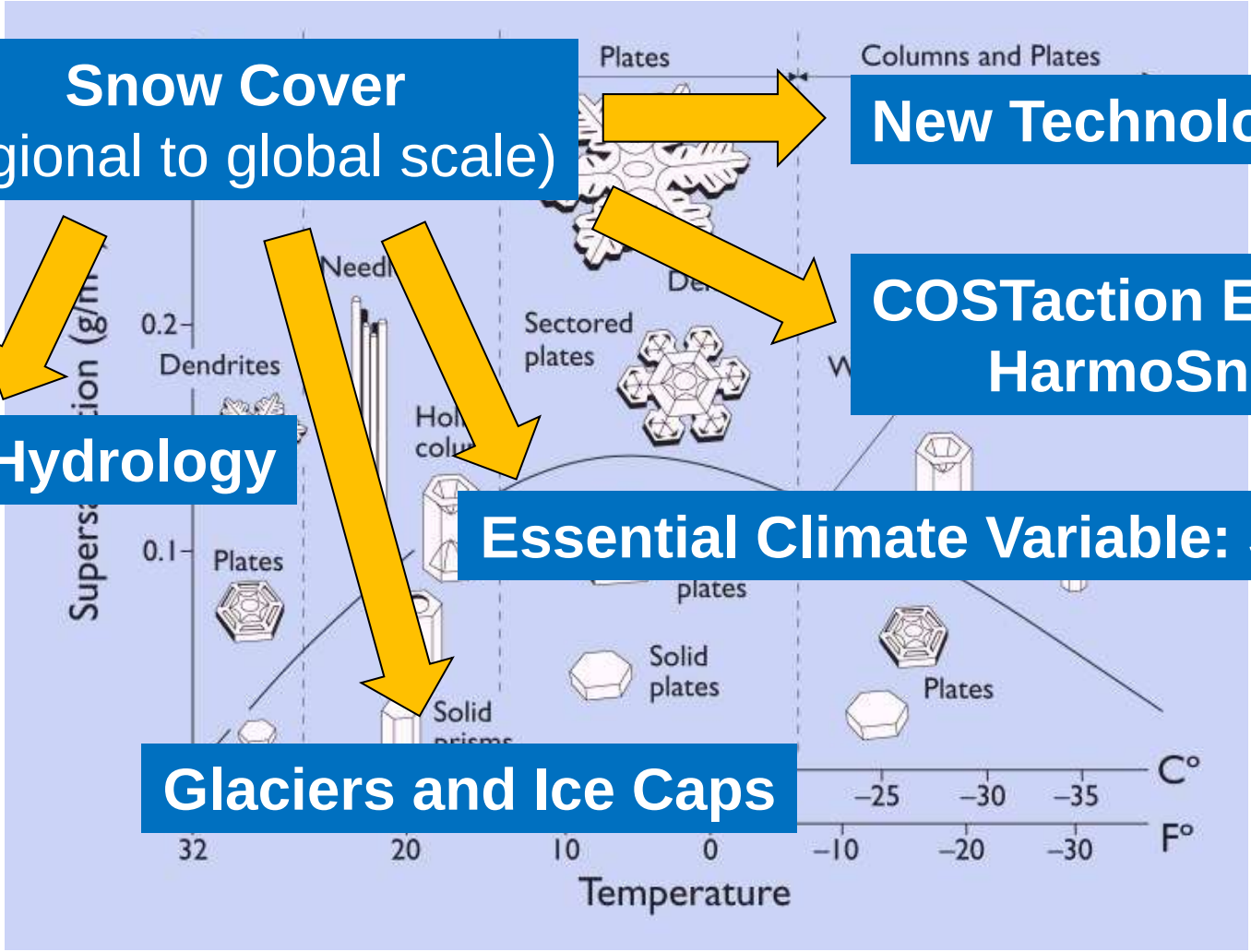
- Dana-Marie Floricioiu
- Richard Kelly
- Christian Mätzler
- Thomas Nagler
- Rune Solberg

EARSeL Snow and Ice Workshops

- **2000**: Remote Sensing of Land Ice and Snow (20th EARSeL symposium in Dresden, Germany)
- **2002**: Observing our Cryosphere from Space: Techniques and Methods for monitoring Snow and Ice with regard to Climate Change
- **2005**: Remote Sensing of Snow and Glaciers – Important Water Resources of the Future
- **2008**:Remote Sensing of Snow and Glaciers: Changing Climate – Changing Cryosphere
- **2011**: Remote Sensing of Snow and Glaciers: Cryosphere, Hydrology and Climate Interactions.
- **2014**: Remote Sensing of the Earth's Cryosphere: Monitoring for Operational Applications and Climate Studies
- **2017**: Remote Sensing of the Cryosphere: Past – Present – Future

- **2020: Remote Sensing of Snow and Ice – what else …**

Frozen water: basis for all of our activities



Snow Cover
(regional to global scale)

New Technologies

COSTaction ES1404 HarmoSnow

Snow Hydrology

Essential Climate Variable: Snow

Glaciers and Ice Caps

http://www.its.caltech.edu/~atomic/snowcrystals/primer/morphologydiagram.jpg

No science without sponsors ..

> We would like to acknowledge the contribution from our sponsors!

UNIVERSITÄT BERN

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Akademie der Naturwissenschaften
Accademia di scienze naturali
cadémie des sciences naturelles

No science without inspiring social events …

- Ice breaker reception: *House of the University*







- Conference dinner: *Restaurant zum Äusseren Stand*







Finally, no science without helping hands …

- **Céline Dizerens**, Fabia Hüsler, Helga Weber, Melanie Sütterlin (RSGB)
- Marlis Röthlisberger (GIUB)
- Basil Ferrante (GIUB – IT)
- Heide Bierbrauer (EARSeL - Registration)
- Klaus Komp (EARSeL – ConfTool)
- Martin Grosjean (OCCR)
- Ali Nadir Arslan (COST action HarmoSnow)
- Swiss Commission for Remote Sensing (sc:nat)

Some remarks …

- If you need help for WIFI access, you're welcome to ask us.
- Any other requirements from your side? Let us know.

- Presentations:
  - 15 min. / 5min. time slot for every presentation
  - Please upload your presentation during the previous break
  - Poster: every poster can be introduced for 2 min. using 2 slides. Questions / discussions are allocated to the following poster presentation including coffee break.

- **Let's start the workshop!**