seismic profiling promises important up-scaling possibilities which are mandatory with respect to Earth system modeling.

In view of natural versus laboratory time scales modeling, observational, and experimental methods have to be used. We encourage explicitly contributions from modeling as well as natural/experimental/analytical studies, which contribute to glaciology, geophysics, tectonics, or structural geology based on the identification of deformation processes and related mechanisms.

The EGU General Assembly 2015 will bring together geoscientists from all over the world to one meeting covering all disciplines of the Earth, planetary and space sciences. It thus provides a forum where scientists, can present their work and discuss ideas with experts in all fields of geosciences. EGU therefore represents an ideal venue to host a Micro-DICE session to provide interaction with a broad international community of geoscientists. This 2015 session follows on from and builds on the success of sessions held since 2011.

2) Meeting Programme

The meeting will be a programme session at the EGU General Assembly at the Austria Center Vienna (ACV) from 12 to 17 April 2015. The session will be part of the cryosphere science programme as well as the tectonics & structural geology programme. It will thus be embedded in a wide framework of topics related to ice as well as lithospheric Earth materials. The programme will consist presentations to this session through the EGU call for abstract submissions. The session will be divided into one oral sub-session and one poster sub-session. The oral session will consist of 6x15 min presentations with 2 invited speakers. Depending on the final number of submitted contributions we expect approximately 10 poster presentations, which will be displayed for 11.5h and attended by the presenters for 1.5h. Experience shows, that especially this “attendance time” is an important and efficient possibility for networking activities among international researchers. It also encourages scientific discussions beyond the actual poster topics, which will be intensified over the whole duration (1 week) of the EGU General Assembly meeting.

The Micro-DICE session will be convened by Ilka Weikusat (AWI, Bremerhaven & Eberhard Karls University Tübingen, Germany), Holger Stünitz (University of Tromso, Norway) and Peter Sammonds (University College London, United Kingdom).

3) Curriculum Vitae of Scientific Organiser including list of five most relevant publications during the last five years

PERSONAL INFORMATION

Family name:	Weikusat (née Hamann)	First name:	Ilka
Gender:	female	Family status:	married, son (3a)
Nationality:	German		
E-mail:	Ilka.Weikusat@awi.de	Telephone:	+49-471-4831-1968

EDUCATION

January 2008 PhD (Dr. rer. nat) at University Bremen,
Thesis: “Deformation Microstructures – Antarctic Ice from EPICA Dronning

Maud Land and Artificial Creep Test Ice", grade: "*summa cum laude*".

January 2003 Dipl.-Geol. at Joh. Gutenberg-University Mainz,
Thesis: "The formation of apparent boudinage in pegmatites by means of analogue experiments and field examples", grade: "*sehr gut*" (excellent).

EMPLOYMENT

2013 - date	Junior Professor for "Glaciology" at Geosciences, Eberhard Karls University Tübingen
2012 - date	Helmholtz Young Investigator Group Leader at AWI
2011 - 2012	Parental leave
2008 - 2012	DFG funded Post-Doc position (as PI) at AWI
2008	Post-Doc position at AWI
2006 - 2008	PhD-student at AWI & Bremen University
2005 - 2006	Scientist at Nagaoka University of Technology, Japan
2003 - 2005	PhD-student at AWI & Bremen University

GRANTS & SCHOLARSHIPS

2014 - 2017	DFG: "Deformation and recrystallisation at the firn-ice transition – Micro structural simulations" (Co-PI Paul Bons, Tübingen)
2012 - 2018	HGF: "The effect of deformation mechanisms for ice sheet dynamics"
2010 - 2011	DFG: Research grant "Deformation of ice on the grain scale by means of high-resolution crystal-orientation measurements" (own position + research budget)
2008 - 2010	DFG: Research grant, predecessor proposal - see above (own position + research budget)
2007	DFG: Communicator Prize (whole AWI glaciology group)
2005 - 2006	DAAD: Scholarship "The evolution of microstructures in ice - Comparison of deformation experiments and natural samples from deep polar ice cores"
2001	DAAD: Travel grant "Internship in Australia"

PUBLICATIONS

27 publications in peer-reviewed international journals

5 most relevant during the last 5 years:

Faria, S. H., **Weikusat, I.**, Azuma, N. (2014). The Microstructure of Polar Ice. Part II: State of the Art. *Journal of Structural Geology, 61*, 21-49, doi: 10.1016/j.jsg.2013.11.003. (invited review)

Diez, A., Eisen, O., **Weikusat, I.**, Eichler, J., Hofstede, C. Bohleber, P., Bohlen, T., Polom, U. (2014). Influence of ice crystal anisotropy on seismic velocity analysis. *Annals of Glaciology,* 55(67), doi: 10.3189/2014AoG67A002.

NEEM community members (2013). Eemian interglacial reconstructed from a Greenland folded ice cores. *Nature, 493*, 489–494, doi: 10.1038/nature11789.

Weikusat, I., Miyamoto, A., Faria, S.H., Kipfstuhl, S., Azuma, N., Hondoh, T. (2011). Subgrain boundaries in Antarctic ice quantified by X-ray Laue diffraction, Journal of Glaciology, 57(201), 85-94.

Weikusat, I., de Winter, D.A.M., Pennock, G.M., Hayles, M., Schneijdenberg, C.T.W.M., Drury, M.R. (2010). Cryogenic EBSD on ice: preserving a stable surface in a low pressure SEM, Journal of Microscopy, doi:10.1111/j.1365-2818.2010.03471.x.

FURTHER ACADEMIC SKILLS AND EXPERIENCES

- Convener and Co-convener at international conferences and workshops for IUGG, DRT, MOCA, IACS, IGS, Micro-DICE (since 2009)
- Reviewer for Journal of Glaciology, JGR, GRL, Phil. Mag., Cold Reg. Sci. and Tech.

- Guest editor for Journal of Structural Geology (2011-2014)
- Lectures: currently 4h/week
    - “Rheology” (part of MSc module “Material Sciences for Geoscientists”, Tübingen, since 2013 to date)
    - “Glaciology” (MSc module within Geoscience studies, Tübingen, since 2014 to date)
    - "Deformation and Recrystallization" (Lecture and labs, part of the Mechanical engineering MSc course at Nagaoka University, Japan, 2005-2006)
    - "Eismikromechanik" (part of the Glaciology MSc module at Bremen University, 2009)
    - various short term summer schools, students & pupils workshops (since 2012 to date)
- German representative in Steering Committee of ESF RNP Micro-DICE (since 2013)
- Supervision of students (since 2005): PhD – 7 (partly co-supervised; currently 4), MSc & *Diplom* (“German MSc”) – 4, BSc – 7 Internships

4) Provisional list of proposed speakers/participants

As this workshop was held similarly since 2011, experience shows, that ca. 15 to 20 researchers will participate actively by presentations (6 orals including 2 invited speakers and ca. 10 poster presentations), while many more interested colleagues (ca. 30 more) from around the world will attend the presentations, as the session is embedded in the broad EGU General Assembly.

INVITED

- Dr. Christine McCarthy, mccarthy@ldeo.columbia.edu, Rock Mechanics Lab, Lamont Doherty Earth Observatory, Columbia University, NY, USA
- Dr. Wolfgang Müller, : w.muller@es.rhul.ac.uk, Department of Earth Sciences, Royal Holloway University of London, Egham, Surrey, TW20 0EX, UK.