Tuesday, 11 Oct. 2016

Arrival Day

17:30-19:00  Guided Tour, Historic City Centre Innsbruck
Meeting Point Goldenes Dachl (Golden Roof) – registration required, free of charge

Wednesday, 12 Oct. 2016

From 13:00  Registration

14:00-14:30  Opening Ceremony
Address of Welcome
Harald Stadler, Director of the Institute of Archaeologies, University of Innsbruck
Sabine Schindler, Vice-Rector for Research, University of Innsbruck

Session 1: Glacial Archaeology – finds & sites, methods, surveys & analyses

Chair  Harald Stadler

14:30-14:50  Thomas Reitmaier, Christian Auf der Maur, Christoph Walser, Mathias Seifert, Leandra Reitmaier-Naef
A Late Mesolithic Rock Crystal Mining Site at Fuorcla da Strem/GR-UR in the Swiss Central Alps

14:50-15:10  Regula Gubler
What is new in Berne? Recent Finds from the Ice Patches in the Bernese Alps (Switzerland)

15:10-15:30  Leandra Reitmaier-Naef
(C)Old Ice 2013-2015: Taking Stock
### Wednesday, 12 Oct. 2016

**Session 1: Glacial Archaeology – finds & sites, methods, surveys & analyses**

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>15:50-16:10</td>
<td>Hubert Steiner, Rupert Gietl</td>
<td>Glacial Archaeology in South Tyrol</td>
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<tr>
<td><strong>16:10-16:30</strong></td>
<td><strong>Coffee Break</strong></td>
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<tr>
<td>16:30-16:50</td>
<td>Constanza Ceruti</td>
<td>From Gran Paradiso to the Dolomites: A Pioneer Contribution to an Archaeology of the Sacred in the High Alps</td>
</tr>
<tr>
<td>16:50-17:10</td>
<td>Lars Pilø, Espen Finstad, Atle Nesje, Julian Martinsen</td>
<td>The Langfonne Ice Patch - Chronological Patterns in Time and Space</td>
</tr>
<tr>
<td>17:10-17:30</td>
<td>Lars Pilø, Espen Finstad, James Barrett</td>
<td>Lendbreen - The History of a Glaciated Mountain Pass</td>
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<tr>
<td>17:30-17:50</td>
<td>Kjell-Åke Aronsson, Isse Israelsson</td>
<td>Reindeer Bones and Antlers Melted out from Ice Patches Gives new Information about History of Reindeer Herding</td>
</tr>
<tr>
<td>17:50-18:10</td>
<td>Andrey V. Novikov, Yuri N. Garkusha</td>
<td>Wooden Architecture of the Medieval Fortified Settlement of Ust Voikarsky (Yamal Nenets Autonomous District, Western Siberia)</td>
</tr>
<tr>
<td><strong>18:10-18:35</strong></td>
<td><strong>Discussion</strong></td>
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<tr>
<td>18:45</td>
<td><strong>Dinner</strong> at the venue (invited)</td>
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<tr>
<td><strong>20:15</strong></td>
<td><strong>Public Talk</strong> (German) – Thomas Reitmaier</td>
<td>„…die Kraxe noch regelfest um die fleischlosen Schultern“ – Known and Unknown Ice Mummies from the Alps – At the venue</td>
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### Thursday, 13 Oct. 2016

**Session 1: Glacial Archaeology – finds & sites, methods, surveys & analysis**

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<tr>
<td>09:00-09:20</td>
<td>Andrey V. Novikov, Yulia A. Senurina</td>
<td>Textiles from Ust-Voikarski Fortified Settlement</td>
</tr>
<tr>
<td>09:20-09:40</td>
<td>Georgi Vizgalov</td>
<td>Russian Towns and Burgs of XVII-XVIII Century</td>
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</table>
# Thursday, 13 Oct. 2016

## Session 1: Glacial Archaeology – finds & sites, methods, surveys & analysis

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<tr>
<td>09:40-10:00</td>
<td>Oleg Kardash</td>
<td>Medieval Hillforts of Aboriginal Populations</td>
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<tr>
<td>10:00-10:20</td>
<td>Rachel Reckin, Robert Kelly, Lawrence Todd</td>
<td>Two Ice Patch Bows and an Archaeological Landscape in the Absaroka Mountains of Wyoming</td>
</tr>
<tr>
<td>10:20-10:40</td>
<td>Todd Guenther, Jacki Klancher</td>
<td>Dinwoody Archaeology in the Greater Yellowstone Area</td>
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<tr>
<td>10:40-11:00</td>
<td><strong>Coffee Break</strong></td>
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<tr>
<td>11:00-11:20</td>
<td>P. Gregory Hare, Christian Thomas</td>
<td>Yukon Ice Patch Update: A Review of Alpine Melting Conditions and Changing Research Strategies</td>
</tr>
<tr>
<td>11:20-11:40</td>
<td>Christian Thomas, P. Gregory Hare, Sheila Greer</td>
<td>Western Athapaskan Bone and Antler Arrowheads</td>
</tr>
<tr>
<td>11:40-12:00</td>
<td>Valery Monahan, Kate Helwig, Jennifer Poulin</td>
<td>Painted Projectiles from Yukon Ice Patches: Research next Steps</td>
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<tr>
<td>12:00-12:20</td>
<td>Constanza Ceruti</td>
<td>High Archaeology: A Historical Perspective</td>
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<tr>
<td>12:20-12:40</td>
<td>Jochen Hemmleb</td>
<td>Detectives on Everest: Archaeology at High Altitude</td>
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<tr>
<td>12:40-14:00</td>
<td><strong>Lunch</strong></td>
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## Session 2: Climate Change - past & present climates - proxy data, methods and results

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<td>14:00-14:20</td>
<td>Ivar Berthling, Linda Jarrett, Geir Vatne</td>
<td>Investigating Mass Balance of two Ice Patches in Southern Norway Using Terrestrial LIDAR Scanning</td>
</tr>
<tr>
<td>14:20-14:40</td>
<td>Linda Jarrett, Lena Rubensdotter, Geir Vatne, Ivar Berthling</td>
<td>Ice Patch Variability through the Holocene Deducted from Lacustrine Sediment Cores and Ice Patch Melt Horizons</td>
</tr>
<tr>
<td>14:40 15:00</td>
<td>Katie M. Brooks</td>
<td>A Summery of Current Climate Change Predictions in the Crysophere</td>
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</tbody>
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### Session 2: Climate Change – past & present climates – proxy data, methods and results

**Chair**: Martin Callanan  
15:00-15:20  
**Jacki Klancher, Todd Guenther, Darren Wells**  
Central Wyoming College's Interdisciplinary Climate Change Expedition (ICCE) – Chasing Ice, and the Tale of Human Occupation in the Upper Elevations of the Wind River Range of Wyoming  
15:20-15:40  
**James H. Dickson, Klaus Oeggl, Wolfgang Hofbauer & Werner Kofler**  
Bryophytes and the Tyrolean Iceman  

**15:40-16:00 Coffee Break**

### Session 3: Frozen Sites – multidisciplinary approaches

**Chair**: Albert Zink  
16:00-16:20  
**Sophie Providoli, Amelie Alterauge, José Diaz Tabernero, Luca Gianazza, Hanna Grabner, Matthias Senn, Marquita Volken, Serge Volken, Sandra Lösch**  
Death in the Ice - Re-investigations of the Remains from the Theodul Glacier (Switzerland)  
16:20-16:40  
**Stephanie Rogers, Ralph Lugon, Philippe Curdy**  
Glacial Archaeology in the Pennine Alps - Results from 2011-2014  
16:40-17:00  
**Martin Callanan**  
«Glacial Archaeology» - What is in a Name?  
17:00-17:20  
**Franco Nicolis, Cristina Bassi, Nicola Cappellozza, Elisabetta Mottes, Maurizio Vicenzi, Cristina Dal Ri, Roberto Giovanni Francese, Aldino Bondesan, Carlo Baroni, Maria Cristina Salvatore, Massimo Giorgi, Simone Landi**  
The Frozen War. Archaeology, Geophysics, Heritage Management and Cultural Tourism in the WWI Scenario of Punta Linke (3629 m a.s.l., Ortles-Cevedale Group, Italian Alps)  
17:20-17:45  
**Coffee Break**  
17:45-18:05  
**Craig M. Lee, Kathryn Puseman, Gregory T. Pederson, Meghan J. Dudley**  
Organic Artifacts and Environmental Reconstruction – Reflections on 10 Years of Ice Patch Research in the Greater Yellowstone Area, Northern Rocky Mountains, USA  
18:05-18:25  
**Elizabeth E. Peacock**  
The Development of Field Testing of Modern Materials to Create Surrogate Archaeological Wood Projectile Shafts recovered from Snow Patches  
18:25-18:45  
**Tatyana Lobanova**  
Archaeozoological Study Materials from the Excavations of Medieval Monuments of Cultural Layer of Frozen Northern Eurasia  

**18:45-19:00 Discussion**
**Thursday, 13 Oct. 2016**

20:15 Gala Dinner – (invited)
Address of Welcome
Christine Oppitz-Plörer, Mayoress Innsbruck
*At the Venue*

**Friday, 14 Oct. 2016**

**Session 3: Frozen Sites – multidisciplinary approaches**

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<td>09:00-09:20</td>
<td><strong>Klaus Oeggl, Johan Reinhard</strong>&lt;br&gt;The Plant Remains with the “Ice Maiden”, the Inca Mummy from Mt. Ampato, Peru</td>
</tr>
<tr>
<td>09:20-09:40</td>
<td><strong>Bob Brunswig, Jason M. LaBelle</strong>&lt;br&gt;Interdisciplinary Pathways for Glacial Ice Patch Archaeology in Colorado's Front Range Mountains, USA</td>
</tr>
<tr>
<td>09:40-10:00</td>
<td><strong>Jason M. LaBelle</strong>&lt;br&gt;Exploring the Relationship between Ice Patches and Communal Hunting in the Colorado Front Range, USA</td>
</tr>
<tr>
<td>10:00-10:20</td>
<td><strong>M. I. Epov, Viacheslav I. Molodin</strong>&lt;br&gt;Geophysical Monitoring at the Frozen Burial Sites of the Pazyryk Culture in the Altai Mountains (Russia and Mongolia)</td>
</tr>
<tr>
<td>10:20-10:40</td>
<td><strong>Coffee Break</strong></td>
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**Session 4: Conservation and Preservation – issues and developments**

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<tr>
<th>Chair</th>
<th>Kurt Scharr</th>
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<tr>
<td>10:50-11:10</td>
<td><strong>Kate McLauchlan</strong>&lt;br&gt;The Study of Mummification by Ice through Experimental Re-creation of Archeological Environments kann nicht kommen</td>
</tr>
<tr>
<td>11:30-11:50</td>
<td><strong>Martin Callanan</strong>&lt;br&gt;From Hand-bow to Crossbow - A Technical Transition among Medieval Ice Patch Hunters in Norway</td>
</tr>
<tr>
<td>11:50-12:10</td>
<td><strong>Jørgen Rosvold</strong>&lt;br&gt;Melting Ecological Archives of the Past: Faunal Finds from Glaciers and Snow Patches</td>
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# Session 5: Frozen Pasts – the ecology & ethnography of Glacial Archaeological sites

**Chair**: Franco Nicolis

**12:10-12:30**  
*Vivian Wangen*  
**Ice Patches as Hunting Installations for Wild Reindeer 300-1000 AD - The Use of Scaring-Sticks from Archaeological Ice Patch Sites in Oppland Country, Norway**

**12:30-14:10**  
Lunch (invited) – *At the Venue*

**Friday, 14 Oct. 2016**

## Session 5: Frozen Pasts – the ecology & ethnography of Glacial Archaeological sites

**Chair**: Franco Nicolis

**14:10-14:30**  
*Brit Solli*  
**Reindeer-hunting, Materiality, Entanglement and Society - The Norwegian Case**

**14:30-14:50**  
*Erik Norberg*  
**Reindeer Herding and Snow Patches**

**14:50-15:10**  
*E. James Dixon*  
**Alaskan Ice Patch Provides new Insights into the Antiquity of the Bow and Arrow in North America**

**15:10-15:40**  
*Martin Callanan, E. James Dixon, Albert Hafner, Greg Hare*  
**Journal of Glacial Archaeology: Introduction and Opportunities**

**15:40-16:10**  
Discussion

**16:10-16:30**  
Coffee Break

## Session 6: Poster Session

**16:20-17:20**  
*Stephanie Rogers, Mauro Fischer, Matthias Huss*  
**GlaciArch: Applying Glaciological Methods for Gauging Archaeological Potential using GIS**

*Friederike Moll-Dau, Johanna Klügl*  
**Analyzing Approaches of the Residual Oxygen Content in "Oxygen free" Long-Term Packing of Leather Finds from Schnidejoch Pass**

*Stephanie E. Metz, Thomas Bachnetzer, Harald Stadler*  
**Glacial Archaeology in the Austrian Alps (GAAA) – Tracing the Disappearing using GIS**

*Lars Pilø, Espen Finstad, Brit Solli*  
**The Glacier Archaeology of Oppland**

*Einar Kristensen*  
**In Search of Lost Arrows - A Metal Detector Survey of the Ice Patch "Storbreen", Oppdal**
## Friday, 14 Oct. 2016

### Session 6: Poster Session

- **Bogdan Bobînă & Călin Şuteu**  
  The Population Dynamics in the Eastern Carpathians

- **Vladimir Pitulko**  
  Excavations of Frozen Sites in the Siberian Arctic

- **Vladimir Pitulko, Elena Y. Pavlova**  
  Late Pleistocene and Early Holocene Environmental Changes and Human Habitation Record in Arctic Siberia

- **Daniel Gaudio, Franco Nicolis, Andrea Galassi, Cristina Cattaneo**  
  WWI Soldiers Found in Glacial Contexts: Identification, Thaphonomy and Trauma

### 19:00-20:00 Exhibition

**Finds from the Porchabella Glacier, Switzerland – Late Medieval and Early Modern Age Textiles of the Gold Mines in Carinthia, Austria**

Curator: Beatrix Nutz  
*Institute of Archaeologies, Langer Weg 11*

### 20:15 Buffet – „Brettljause“ Tyrolian Style (invited)


### Excursion – South Tyrol Museum of Archaeology (registration required)

- **07:45**  
  Departure Innsbruck to Bozen – South Tyrol Museum of Archaeology  
  Meeting Point: Marktgraben 2, 6020 Innsbruck

- **10:00**  
  Arrival Bozen – Guided Tour, South Tyrol Museum of Archaeology

- **12:30**  
  Meeting Point Bus Station

- **13:00-15:00**  
  Lunch at Runkelstein Castle (invited)

- **15:00-17:00**  
  Guided Tour Runkelstein Castle

- **17:30**  
  Departure Bozen to Innsbruck

- **19:30-20:00**  
  Arrival Innsbruck


### Day of Departure
Sponsors

The 4th International Glacial Archaeology Symposium is supported by:

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Servetsch archeologic dal Grischun/Uffici da cultura
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