

## Ice- and Pack Ice Techniques for Scientific Diving

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Time: March 6<sup>th</sup> -12<sup>th</sup>, 2011

Place: Hailuoto, Finland

Target group: Mainly scientific divers, but also other interested divers with drysuit experience and at least CMAS P3 (\*\*\*) certificate or equivalent.

Number of participants: 12

Course fee: 1500 €, including tuition, air fills, accommodation, meals, transportation from Oulu Airport and back, daily use of sauna

### Description:

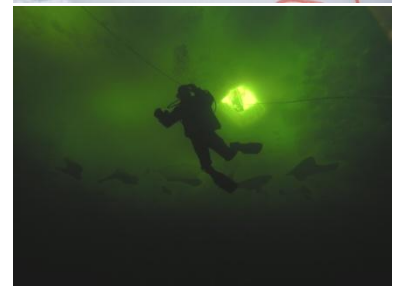
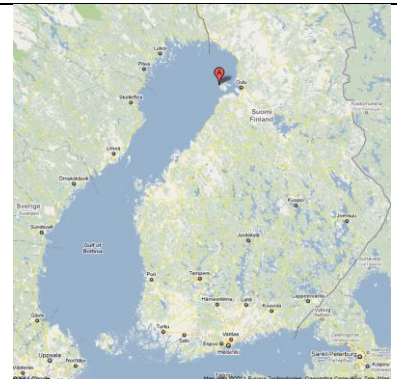
The course aims at giving adequate skills to plan, lead and conduct diving in challenging winter conditions. You will have an introduction to related research and practice some sampling techniques under ice. The course language will be English.

The main target is to learn safe and efficient means to dive in freezing conditions. You will learn about transportation, equipment handling and service, dive site setup and safety measures. You will also receive written material about how to dress both on top and under the ice, and what to include in your personal diving kit.

The course will proceed in small steps to ensure a secure and comfortable learning process. The first lessons will be on the logistics, transportation (by snowmobiles), and safe moving on ice, preparing the dive site with holes. After this all students will participate in the transportation and prepare the diving sites.

After completing the course successfully, you will obtain a diploma with a description of the course contents.

Marjaniemi in Hailuoto is a picturesque harbor with a hotel, which today occupies the former premises of the Oulu University Bothian Bay Research Station and Marjaniemi pilot station. The location is perfect for finding pressure ridges of pack ice close to the shore.



### Minimum Prerequisites:

- CMAS P3 (\*\*\*) or equivalent certification
- A valid medical certificate for recreational diving
- Insurance to cover professional scientific diving (for example DAN Pro)
- Dry suit and experience to use it

### Diving equipment

All participants must bring their own diving gear. Heavy items, such as tanks and weights may be rented from Finland upon advance notice. Air fills are included in the course fee. The dives will be mostly less than 10 meters deep, nitrox is neither needed nor available.

### About Alleco

Marine biologist and limnological research company Alleco Ltd was in charge of the Finnish professional scientific diver training from 1995 to 2009. Today we consult other organizations on scientific diving and run specialist courses. Head instructor Jouni Leinikki has taught underwater working to biologists and archaeologists since 1983, and is an active member of the Finnish Scientific Diving Steering Association and the European Scientific Diving Panel community.

### How to apply

Send e-mail to [jouni.leinikki@alleco.fi](mailto:jouni.leinikki@alleco.fi) with your:

- Name
- Date of birth
- Phone number (pref. mobile)
- E-mail address
- Copy of diving certificate
- Copy of your insurance card/certificate
- Copy of your medical certificate
- Possible request for renting tanks/weights

Participants will be chosen in the time order of receiving the applications. The latest time for application is on February 18<sup>th</sup> 2011, after which you will receive the written material of maximum 10 pages to the e-mail address which you have provided.

For more information, contact Jouni Leinikki, p. +358-45-6790300 (also [jouni.leinikki@gmail.com](mailto:jouni.leinikki@gmail.com))

