



# LABPLANT: Hardy Plants for Northern Landscaping

Pihlajaniemi, H.<sup>1</sup>, Laine, K.<sup>2</sup>, Peteri, S.-L.<sup>3</sup>, Kananen, S.<sup>3</sup>, Siuruainen, M.<sup>1</sup>, Hämäläinen, A.<sup>1</sup>, Kauppila, T.<sup>1</sup> & Huttunen, S.<sup>4</sup>

<sup>1</sup> Botanical Gardens, P.O. Box 3000, FI-90014 University of Oulu, <sup>2</sup> Thule Institute, P.O.Box 7300, FI-90014 University of Oulu, <sup>3</sup> Lapland Vocational College, Natural Resources and Environment, Metsäruusuntie 18, FI-96400 Rovaniemi & <sup>4</sup> Department of Biology, P.O.Box 3000, FI-90014 University of Oulu



## Aims

- to search and select hardy plants for sustainable restoration and landscaping in northern areas, using for example plant collections at the Botanical Gardens
- to develop propagation methods
- to produce and transplant material to LABPLANT demonstration areas
- to produce a manual telling how to use hardy northern plants in landscaping and restoration



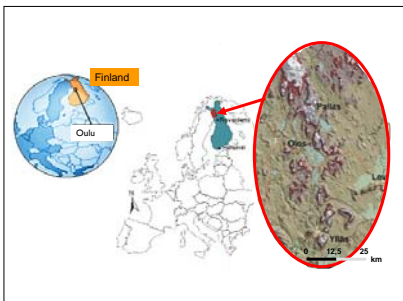
## Introduction

LABPLANT is one of four subprojects of the EU LIFE Environment project LANDSCAPE LAB, *Tourist Destinations as Landscape Laboratories - Tools for Sustainable Tourism*, co-ordinated by the Arctic Centre of the University of Lapland, Finland. The project will develop and demonstrate tools for sustainable tourism.



A total of six demonstration areas will be established in Pallas-Yllästunturi National Park and in Ylläs and Levi tourist areas to serve as examples of sustainable landscaping and restoration in northern tourism areas *in vivo*.

Demonstration plots and plant collections at the Botanical Gardens and Lapland Vocational College will act also as gene banks for mother plants.



The implementation area (red) is the Ounasselkä fell area in north-western Finnish Lapland, which is a popular nature resort.

LABPLANT was launched by the Botanical Gardens of the University of Oulu and Lapland Vocational College, Department of Natural Resources in Rovaniemi. The project started in September 2004 and ends in August 2007.

## Implementation

Over 100 species have been propagated so far: 31 woody species, 59 herbaceous ones and 16 dwarf shrubs. These include, for example, *Betula nana* L., *Salix lapponum* L., *Dryas octopetala* L., *Viola biflora* L. and *Rosa majalis* Herrm. 'Tornedal'

*In vitro* propagation was used, along with the traditional methods, for several species. It can be carried out regardless of the season, which makes it a valuable tool for this short-term project.



Students of the Lapland Vocational College established two demonstration areas at the tourism centre of Pallas-Yllästunturi National Park autumn 2006.

LABPLANT plant material in propagation



## More information:

[henna.pihlajaniemi@oulu.fi](mailto:henna.pihlajaniemi@oulu.fi)  
[kari.laine@oulu.fi](mailto:kari.laine@oulu.fi)

<http://www.oulu.fi/botgarden/>

<http://www.lao.fi/>

<http://www.arcticcentre.org/landscapelab>

