**PhD student / postdoc position in environmental economics**

Our project titled “What are the costs of brownification? - Impacts of forest management on aquatic biodiversity, human nutrition and greenhouse gas emissions” is looking for a full-time grant-funded **PhD student or a postdoc** in the field of environmental economics. This is a 3-year project funded by Maj and Tor Nessling Foundation (see: [www.nessling.fi/grants/one-million-euros-for-research-on-the-interfaces-of-the-environment-human-health-and-the-economy/?lang=en](http://www.nessling.fi/grants/one-million-euros-for-research-on-the-interfaces-of-the-environment-human-health-and-the-economy/?lang=en)). The grantee will receive a monthly grant from the Nessling Foundation and will be hosted at the Department of Forest Sciences, University of Helsinki, Finland. All project members will be grant recipients (more information about the grants on the Nessling Foundation's website: [www.nessling.fi/grants-2/instructions-receiving-funding/?lang=en](http://www.nessling.fi/grants-2/instructions-receiving-funding/?lang=en)).

The project combines limnology, forestry, modeling, and economics to assess and value the impact of peatland forest management on biodiversity and the human economy and health. Forestry affects water quality and ecosystem services for example through increasing the mobility of soluble organic compounds that causes browning of the recipient waterbodies. We focus on the monetary value and costs to society caused by the peatland forestry practices on aquatic biodiversity, ecosystem services and greenhouse gas emissions.

The tasks of the PhD student/postdoc include e.g. the development of cost models and cost-effectiveness analyses of the different forest management scenarios and the ecosystem services provided by inland waters and forests. In addition to scientific work, we expect the grantee to publish the results in scientific journals and to give presentations in international conferences. We are looking for a person who has knowledge of forest management and forest modeling and/or the economic valuation of forests and ecosystem services. Coding and simulation skills (e.g. Matlab) are seen as an advantage. The starting date of the work is June 2021 and the place of performance is the Department of Forest Sciences on the Viikki campus. The PhD student has to apply for a doctoral programme membership and postgraduate study rights at the University of Helsinki (suitable programs e.g. Agforee; more information: [www.helsinki.fi/en/research/doctoral-education/the-application-process-in-a-nutshell](http://www.helsinki.fi/en/research/doctoral-education/the-application-process-in-a-nutshell)).

The University of Helsinki is one of the world's best multidisciplinary research universities. The university has 11 faculties and also separate departments, some of which are shared with other universities. The university has 36,000 degree students. The Faculty of Agriculture and Forestry is located on the Viikki campus and its mission is to promote the sustainable use of renewable natural resources and human well-being through scientific research and teaching based on it.

If you are interested in the position, please send your CV and cover letter (½ page), explaining your interest, motivation and relevant experience for the position no later than **February 28, 2021** to: elina.peltomaa@helsinki.fi