



New PhD position available at the Institute of Ecology, University of Innsbruck

The position is fully financed for a period of three years, starting on 1<sup>st</sup> June 2017.

**PhD-project on “Grassland carbon allocation dynamics in response to climate warming”**

The PhD project contributes to two large ecosystem manipulation experiments and aims at understanding the belowground carbon allocation dynamics in a montane (Austria) and a subarctic (Iceland) grassland in response to warming. At the Austrian site, interactive effects of warming with elevated CO<sub>2</sub> and summer drought will be studied, while at the site in Iceland the focus will be on interactions of warming with nitrogen availability. The PhD student will trace the fate of an isotopic tracer (<sup>13</sup>CO<sub>2</sub>) from photosynthesis to soil respired CO<sub>2</sub> using isotope laser spectroscopy. The planned work will be embedded in a series of *in situ* pulse labelling experiments and will be closely supervised by an experienced Post-Doc.

The ideal candidate will be experienced in experimental work, interested in operating high-end equipment in the field, able to analyze comprehensive gas flux datasets, and will be a good team player. The candidate is required to have a Master degree in biology / ecology / atmospheric sciences or related fields and should demonstrate English language proficiency.

The PhD student will be based at the University of Innsbruck. For information on the research group see <https://www.uibk.ac.at/ecology/forschung/ecophysiology.html.en>. The candidate will contribute to two ongoing research projects (ClimGrass, ForHot) and will have the opportunity to collaborate with a highly motivated research team and internationally recognized scientists from several countries.

If you are interested please send your application to Michael Bahn ([michael.bahn@uibk.ac.at](mailto:michael.bahn@uibk.ac.at)), along with a motivation letter, your CV, copies of degrees and transcripts of academic records, and at least two references familiar with your qualifications. Applications will be reviewed until the position is filled.