

Eawag, the Swiss Federal Institute of Aquatic Science and Technology, is an internationally networked aquatic research institute within the ETH Domain (Swiss Federal Institutes of Technology). Eawag conducts research, education and expert consulting to achieve the dual goals of meeting direct human needs for water and maintaining the function and integrity of aquatic ecosystems.

The Department Surface Waters Research and Management (SURF) has an open position for a

PhD student in Remote Sensing of Aquatic Primary Production

The position will use automated in situ measurements from research platforms in Lake Geneva (Switzerland/France) and Greifensee (Switzerland), hyperspectral airborne and satellite data to develop new techniques for the estimation of primary production in lakes. Possible research questions that can be addressed relate to i) the acquisition and utilization of ground measurements as ancillary and validation data, ii) the development of new methods and algorithms for hyperspectral data, or iii) the up-scaling and validation of such methods to regional and national scale.

The successful applicant will be based at Eawag in Dübendorf and will be supported through collaborations with research groups within the department (www.eawag.ch/en/department/SURF/), the nearby University of Zürich (www.geo.uzh.ch/en/units/rsws) and collaborators at the Swiss Federal Institute of Technology in Lausanne (EPFL), the Universities of Stirling, Scotland, and Tartu, Estonia. He or she will benefit from a highly interdisciplinary research environment in the larger Zurich area.

We are seeking a highly motivated, enthusiastic and independent person with a passion for science and willing to work in an interdisciplinary team. Upon start, the applicant must have a completed master's degree in remote sensing, environmental science, physics, engineering, or any related field. Applicants must be able to pursue data-oriented computational research as well as experimental approaches and field work. A good standard of written and spoken English is required. The position starts as of 1 June 2022 (or as soon as possible thereafter) and is limited to four years.

Eawag is a modern employer and offers an excellent working environment where staff can contribute their strengths, experience and ways of thinking. We promote cultural and gender equality and are committed to staff diversity and inclusion. The compatibility of career and family is of central importance to us. For more information about Eawag and our work conditions please consult www.eawag.ch and www.eawag.ch/en/aboutus/working/employment.

Applications must be submitted by 20 April 2022 and should include an application letter describing your research interests and their relevance for this position, a CV, and names and contact information of two references.

For further information about the position, please contact [Dr Daniel Odermatt](mailto:Dr.Daniel.Odermatt),

We look forward to receiving your application through this webpage, any other way of applying will not be considered. A click on the link below will take you directly to the application form.

<https://apply.refline.ch/673277/0926/pub/1/index.html>