



Swiss Federal Institute for Forest, Snow and Landscape Research WSL

The Swiss Federal Institute for Forest, Snow and Landscape Research WSL is a part of the ETH domain. Approximately 500 people work on the sustainable use and protection of the environment and on the handling of natural hazards.

The Research Unit Forest Dynamics explores the functional significance of forest diversity with respect to the ecology of managed and unmanaged forests in order to assess the future development of forests in Switzerland and other temperate and mountainous regions. Starting **January 2018**, the Research Groups Forest Protection and Forest Entomology offer a position **for 2 years** as

PostDoc in Invasion Modelling and Growth Dynamics

You will study mechanisms underlying ash (*Fraxinus excelsior*) of the two currently most threatening pest/disease invasions, namely one fungus (*Hymenoscyphus fraxineus*) and one insect (*Agrilus planipennis*) species. Different spatial scales and possible consequences for ash and its growth dynamics are central to the project. Therefore, you will model the spread of both species and their interaction as well as annual and intra-annual growth dynamics of ash. You will work closely together with an interdisciplinary team of scientists (entomology, pathology, dendrology and modelling). Please find more information on <https://www.wsl.ch/de/wald/waldentwicklung-und-monitoring/swissforestlab.html>

You must hold a PhD degree in the field of forest sciences or a related field and have experience with pest/disease species and modelling, proved by a strong publication record. You already have demonstrated skills and strength in statistical analyses and the handling of large datasets. You are able to speak and write English fluently, German would be beneficial. We are looking for a candidate who works independently, structured and with high accuracy, who is able to contribute novel and innovative ideas, and is a communicative, adaptable and flexible team player.

Please send your complete application to Stefania Pe, Human Resources WSL. Valentin Queloz, valentin.queloz@wsl.ch, Tel. +41 (0) 44 739 23 88, and Martin Gossner, martin.gossner@wsl.ch, Tel. +41 (0) 44 739 25 88, will be happy to answer any questions or offer further information. The WSL strives to increase the proportion of women in its employment, which is why qualified women are particularly called upon to apply for this position.

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