

EFICEEC-EFISEE network announcements



EUROPEAN FOREST INSTITUTE
CENTRAL-EAST AND SOUTH-EAST EUROPEAN
REGIONAL OFFICE - EFICEEC-EFISEE

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1. Traineeship or master's thesis possibilities at EFI

EFI undertakes research at the pan-European level on forest policy, including its environmental aspects, on the ecology, multiple use, resources and health of European forests and on the supply of and demand for timber and other forest products and services in order to promote the conservation and sustainable management of forests in Europe.

Each year EFI employs some forty researchers, trainees, scholars and research support staff members who represent some 15 nationalities.

EFI has its headquarters in Joensuu (Finland) and carries out its research in three research programmes and five Regional Offices: EFIMED (Barcelona, Spain), EFICENT (Freiburg, Germany and Nancy, France), EFIATLANTIC (Bordeaux, France), EFICEEC (Vienna, Austria) and EFINORD (Umeå, Sweden).

EFI is currently involved in several EU projects, which offer various possibilities for traineeships and bachelor or master's theses. Interested students can contact:

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*Further details <http://www.efi.int/portal/careers/students/>



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2. The IUCN World Parks Congress 2014

The IUCN World Parks Congress 2014 is a landmark global forum on protected areas. The Congress will share knowledge and innovation, setting the agenda for protected areas conservation for the decade to come. Building on the theme "Parks, people, planet: inspiring solutions", it will present, discuss and create original approaches for conservation and development, helping to address the gap in the conservation and sustainable development agenda.

What is World Parks Congress trying to achieve?

The IUCN World Parks Congress 2014 will:

- Articulate the vital role of protected areas in conserving nature while delivering essential ecosystem services
- Position protected areas within goals of economic and community well-being, and
- Demonstrate how this can be achieved in practice.

For parks, it will strengthen conservation targets whilst engaging a varied audience from government to general members of society who care about the health of our planet.

For people, it will engage with development sectors and inspire citizens to connect with nature.

For the planet, it will demonstrate nature-based solutions to global challenges such as climate change, health, and supporting for human life.

For the first time, the Congress will collate and communicate the most compelling and inspiring solutions to global challenges. It will help create new sustainable commitments for protected areas across the conservation, development and business sectors. This will be the promise of Sydney.

*Further details <http://worldparkscongress.org/>



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3. ForestSAT2014: a bridge between forest sciences, remote sensing and geo-spatial applications, 4-7 November 2014, Riva del Garda (TN), Italy

ForestSAT2014 is mainly focused on the following themes and topics:

1 Forest mapping and inventory – Approaches for mapping forest types, species, structure, biodiversity indicators and ecosystems services. For spatially estimating biomass, height, growing stock. Change detection and time series analyses. Natural and human induced disturbances: harvesting, forest fires, storms, insects, disease, drought. Monitoring regeneration, regrowth, succession, encroachment, gap dynamics, invasive species. Remote sensing guided statistical estimation, uses of inventory data, sampling, stratification. Carbon accounting. Uncertainty analysis.

2 Forest ecosystems modeling – Use of remotely sensed data with biogeochemical models, productivity forecasting, biodiversity modeling and habitat suitability analysis. Hydrology. Fire behavior modeling and effects. Phenology.

3 Development of methods – Methods based on optical, microwave and LiDAR data. Classification algorithms, continuous variable modeling, radiometric and geometric accuracy and precision, compositing and mosaicking, objects vs. pixels, visualization, radiative transfer modeling, 3-dimensional modeling, multi-sensor and multi-scale (integrated) approaches. Radar interferometry, aerial photogrammetry. Experimenting aerial drones applications in forestry.

4 Proximal sensing – Use of proximal sensing in forestry, terrestrial LiDAR, total stations, GNSS based systems, hemispheric photography.

5 Forest management and policy- Use of remote sensing and geo-spatial analysis supporting forest management and operations. Emergency response and monitoring. Monitoring effects of regional to national forest policies, evaluating trade-offs among ecosystem services, international agreements and programs. Assessment and monitoring in protected areas.

6 Education – Remote sensing in the classroom, uses of publicly available spatial data.

*Further details <http://forestsat2014.com/>.



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4. 8th International Forest Vegetation Management Conference, 25-28 August 2014, Halmstad, Sweden

THEMES:

Management of vegetation that competes with desired forest species has evolved since the first IUFRO conference in 1992. We are faced with changing climates while demands from users of forests for a greater range of ecosystem services and for greater involvement in forest management are expanding. While herbicides are still important tools in many parts of the world, in other places they have been restricted. It is timely therefore, to take stock and ask questions such as:

- What advances in management of competing vegetation are required in order to meet new demands on forests and on forest management?
- What are the short-term and long-term effects of vegetation management treatments on biodiversity, habitat and crop yields?
- What changes are evident in species composition and competition in a changing climate, and what are the consequences for management of competing vegetation?
- How can we manage invasive species in forests?

Can models, decision support and geospatial tools help us to make better decisions about when and how to control competing vegetation in the face of these changes?

*Further details <http://www.treesandstars.com/vmc8/index.htm>.



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5. Assistant Professor (Tenure Track) of Landscape Ecology

The Department of Environmental Systems Science (www.usys.ethz.ch) at ETH Zurich and the Swiss Federal Research Institute WSL (www.wsl.ch) invite applications for an assistant professor position to lead a research group in Landscape Ecology. The professorship will be established as a joint position between ETH Zurich and WSL. The new colleague will be expected to engage in extensive research collaborations with those professorships and research groups at ETH Zurich and WSL that share similar interests, and with other relevant institutions both nationally and internationally. The overall goal of this professorship will be to develop an integrative approach that focuses on the temporal and spatial interactions between processes such as competition, animal and plant dispersal, natural disturbance dynamics and the drivers of environmental change, so as to develop a predictive understanding of how landscape patterns emerge.

The new professor will develop an internationally recognized research program focusing on the interactions between the spatial patterns of land cover and ecological processes, with implications for the provision of multiple ecosystem services. His or her research will contribute to the development of new concepts to assess, predict and manage landscape dynamics at regional scales over decades to centuries. The new professor will be expected to teach undergraduate level courses (German or English) and graduate level courses (English).

This assistant professorship has been established to promote the careers of younger scientists. The initial appointment is for four years with the possibility of renewal for an additional two-year period and promotion to a permanent position.

Applications should include a curriculum vitae, a list of publications, a statement of your future research and teaching interests and the names and contact information of three possible referees. The letter of application should be addressed to the President of ETH Zurich, Prof. Dr. Ralph Eichler. The closing date for applications is 15 April 2014. ETH Zurich is an equal opportunity and family friendly employer and is further responsive to the needs of dual career couples. In order to increase the number of women in leading academic positions, we specifically encourage women to apply.

*More details about application:

http://www.facultyaffairs.ethz.ch/facultypositions/prof_landscape_ecology

