CONSERVATION INTERNATIONAL – ARLINGTON, VA

The Ecosystem Analysis and Geomatics group within the Moore Center division of Conservation International conducts high impact innovative and applied research in support of habitat mapping and monitoring, near real-time decision support, spatial modeling, and cartographic presentation to contribute to Conservation International’s global efforts to promote healthy, sustainable societies. The group employs a range of remote sensing and GIS technologies and is seeking an Ecosystem Analysis Director to manage several activities including a multi-institution, multi-scale project to develop and implement a land degradation index in a range of national contexts. The successful candidate will also perform time-series based modeling and classification analyses, contribute to the evaluation and application of innovative habitat monitoring methods, provide technical guidance to climate change mitigation initiatives, including REDD+, and develop technical proposals in support of novel habitat monitoring approaches using remote sensing technologies.

RESPONSIBILITIES

- Manage a multi-institution geospatial analysis project developing a multi-scale (landscape to national) land degradation index using a variety of optical satellite image sources
- Lead the development of web-based tools for applying land degradation index to meet national reporting requirements
- Generate and apply methods for assessing and monitoring status and trends in land degradation, including drivers of deforestation, using a variety of data sources
- Contribute to the evaluation and application of innovative habitat monitoring methods based on a variety of image sources
- Perform modeling and classification analyses using time-series datasets (i.e. climate, satellite, and reanalysis data) for ecosystem modeling and climate variability research, including generating customized code, based on R and Python, for large volume data processing and analysis
- Capacity building for expanding the use of the data, methods and tools to other countries and regions
- Contribute written input and technical guidance to documents in support of climate change mitigation initiatives, such as REDD+
- Develop technical proposals related to forest and non-forest habitat monitoring using remote sensing, and ecosystem and spatial modeling
- Manage highly visible, complex technical projects and/or partnerships within CI including meeting donor deadlines
- Manage external partner relationships including development of capacity and generation of outputs to guide partners in making decisions.
- Other duties as assigned by supervisor

Working Conditions

- Work is performed in a typical office environment.
- Some travel - up to 25%, often in developing countries.
- Flexibility in work schedule in order to accommodate time differences between the Headquarters office in Virginia, USA, and field offices located in multiple time zones

QUALIFICATIONS
Required
- Advanced degree in environmental science, geography, conservation biology, economics, social sciences or related fields.
- 7 or more years of experience in scientific research and/or managing conservation or research projects or initiatives.
- Demonstrated scientific writing experience, including peer-reviewed publications.
- Proven ability in successfully interpreting and applying scientific information, data, models and developing creative solutions to achieve practical results.
- Proven track record in project management design and implementation.
- Team Management experience.
- Proven team player able to work effectively across cultures and within and across organizations.
- Excellent written and verbal communication skills.
- Highly organized and strong attention to detail.
- Demonstrated problem solving skills and ability to build on existing knowledge to develop new approaches.
- Excellent analytical skills.
- Proficient in statistical and/or GIS software systems and procedures, and skilled in using new software applications.

Preferred
- Proven technical expertise in habitat monitoring, land degradation methodologies and analyses, and ecosystem modeling using a range of remote sensing techniques, image sources, and GIS.
- Proven expert technical skills in programming, data processing, and statistical and geographical analysis.
- Proven experience performing analyses on time-series datasets for ecosystem modeling and ability to process and analyze large volumes of data.
- Proven track record in developing, directing, and managing scientific research projects, including mobilizing and investing resources strategically. Ability to motivate others in the absence of direct authority.
- Skilled in using software systems (Erdas, Esri, R, GDAL, IDRISI), terminology, and procedures and in leveraging new applications.
- Expert in Linux OS including ability to set up environments and generate customized code/models on external servers/cloud computing.

For more details and to apply, see: http://chk.tbe.taleo.net/chk04/ats/careers/requisition.jsp?org=CONSERVATION&cws=1&rid=699

We are reviewing applications on a rolling basis and need to hire quickly as the project is starting up in September.

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CORNELL UNIVERSITY – ITHICA, NY
The School of Integrative Plant Science at Cornell University is seeking applicants for a 9-month tenure-track position in Geospatial Land Processes with an expected primary affiliation in the Section of Soil and Crop Sciences and with research and teaching responsibilities at the level of Assistant/Associate Professor. The successful candidate is expected to develop a research program involving laboratory- and field-based investigations, and by using geospatial methods and advanced computational capabilities, integrate soil and agroecosystem properties with environmental covariates to analyze and create a more complete understanding of the complex interactions and processes at variable spatial scales. Processes of potential focus include soil and plant exchange of gases, water, and energy which are critical to plant productivity for food and nutrition security, carbon sequestration and greenhouse gas production and sustainable land management. The incumbent is expected to maintain an extramurally funded research program and develop collaborative research and teaching efforts with the Cornell geospatial science and technology community in several academic departments and colleges. The successful candidate will teach an undergraduate course in geographic information science and technology (GIS&T) and an advanced undergraduate/graduate course in spatial modeling and analysis. This position will be 50% teaching and 50% research.

QUALIFICATIONS: Ph.D. in Soil Science, Environmental Science, Environmental Engineering, Agronomy, Physical Geography, or related disciplines. The candidate must be able to work in a multi-disciplinary and multi-cultural
setting. Well-qualified applicants are expected to have a distinguished record of academic accomplishments in geospatial science and technology, including demonstrated skills in teaching, quantitative research methods, and demonstrated success in program support through external funds.

**ANTICIPATED START DATE:** August 2016.

**ACADEMIC RANK AND SALARY:** Assistant/Associate Professor (tenure track) with salary competitive with peer institutions and commensurate with background and experience.

**APPLICATIONS:** Electronically submit a curriculum vitae, a research plan (2-3 pages), teaching interests (1 page), university transcripts, and copies of up to three publications. In addition, applicants must arrange for three letters of recommendation to be submitted concurrently with the other application materials here on Academic Jobs Online https://academicjobsonline.org/ajo/jobs/5929. Application review begins on **October 9, 2015**. Questions about the position can be addressed to the Search Committee Chair, Professor Harold van Es (hmv1@cornell.edu).

**ABOUT CORNELL:** The new faculty member will join a collaborative, interdisciplinary community on the main campus of Cornell University, in Ithaca, New York. The Section of Soil and Crop Sciences is part of Cornell’s School of Integrative Plant Science (SIPS), a large internationally renowned group of academics with many interactions and joint projects. Members of the Section also collaborate with colleagues working in areas of environmental sciences, biogeochemistry, and international agriculture. For more information about the position, SIPS, and the Section of Soil and Crop Sciences, visit http://plantscience.cals.cornell.edu/.

Cornell comprises a varied array of academic units from music and literature to astrophysics and veterinary medicine and is a member of the Ivy League. The main campus of Cornell University, which overlooks 40-mile-long Cayuga Lake, is located in the Finger Lakes region of Upstate New York, a scenic environment of spectacular lakes, waterfalls, gorges, rolling hills, farmland, vineyards, and state parks. It is an area with outstanding recreational and summer and winter sports opportunities for individuals and families. The Cornell campus itself is one of the most beautiful in the country. The Ithaca community is culturally diverse with excellent theater, music, sports, and other activities befitting a major university town, yet also has the warmth and friendliness of a small community. The area is known for its many bookstores and restaurants, an extensive walking trail system, arboretum, Laboratory of Ornithology, marina, Farmers Market, a hands-on Science Center, and art and science museums. For more information and links to individual attractions, visit http://www.visitithaca.com/.

Cornell University is an innovative Ivy League university and a great place to work. Our inclusive community of scholars, students and staff impart an uncommon sense of larger purpose and contribute creative ideas to further the university’s mission of teaching, discovery and engagement.

Diversity and Inclusion are a part of Cornell University’s heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.

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**MIDDLEBURY COLLEGE – MIDDLEBURY, VT**

The Geography Department seeks to fill a tenure-track position beginning in the fall of 2016 in Human Geography with PhD in hand by time of appointment. We seek broadly trained candidates with strong quantitative skills who complement the department’s existing thematic and regional strengths. In particular, preference will be given to candidates who can offer an advanced course in statistical analysis in geography and thematic courses in one or more of the following thematic areas: health, hazards, or development. We seek regional specialization in Africa, Asia, or Latin America. Teaching responsibilities will include one 300-level course in statistical analysis in geography and 200-level electives in the candidate’s areas of expertise, and an opportunity to teach a senior seminar on a regular basis. The strongest candidates will be able to contribute to the department’s existing ties with other departments and programs across campus (e.g. Environmental Studies, International and Global Studies, and Global Health).

Middlebury College is a top-tier liberal arts college with a demonstrated commitment to excellence in teaching and research. An Equal Opportunity Employer, the College is committed to hiring a diverse faculty as we work to foster
Innovation in our curriculum and to provide a rich and varied educational experience to our increasingly diverse student body. EOE/Minorities/Females/Vet/Disability.

Review of applications will begin October 10, 2015 and continue until the position is filled. Middlebury College uses Interfolio to collect all job applications electronically. Email and paper applications will not be accepted. Through Interfolio, please submit a letter of application addressed to Geography Search Committee, along with a current curriculum vitae that includes all qualifications, and the names and contact information for three references whom we may contact for letters of recommendation. Other questions should be addressed to Guntram Herb, Department Chair herb@middlebury.edu. More information about application procedures is available at http://apply.interfolio.com/30801.

Offers of employment are contingent on completion of a background check. Information on the background check policy can be found on the Academic Affairs website http://www.middlebury.edu/academics/administration/prospective_faculty/background_checks.

OREGON STATE UNIVERSITY – CORVALLIS, OR
The College of Earth, Ocean, and Atmospheric Sciences (CEOAS) at Oregon State University (OSU) invites applications for a full-time 1.0 FTE, 9-month or part-time 0.75 FTE, 12-month tenure-track Assistant Professor with a focus on cartography and geovisual analytics.

We seek a colleague firmly grounded in geography who will conduct research, teach graduate and undergraduate courses, and advise graduate students in cartography and geovisual analytics. The candidate will apply these skills to the study of coupled human and natural systems or some combination of geographic processes, including those involving water (e.g., water supply systems, river and stream systems, transboundary water agreements, coastal and marine systems, and ocean processes), land use (land change science, economics and resource use), and/or natural hazards (e.g. volcanoes, earthquakes, tsunamis, and climate change).

Research foci may include developing fundamental methods in models, statistics, and/or algorithms for cartography and geovisual analytics. We seek a candidate who can help develop and expand a curriculum of courses for geovisual analytics including cartography, spatial thinking, geovisualization, web mapping, geospatial databases, visualization algorithm development, and other courses. The successful candidate will develop productive interdisciplinary collaborations with colleagues in CEOAS and the geospatial community at OSU.

CEOAS is an internationally recognized leader in the study of the Earth as an integrated system. Fundamental research in geovisual analytics in CEOAS involves synthesis and analysis of information from state-of-the-art technologies in Earth, ocean and atmospheric sciences. The College has an annual budget of more than $50 million, with support coming from the National Science Foundation, National Oceanic and Atmospheric Administration, National Aeronautics and Space Administration and other federal and state agencies and industry interests. The College is home to the Oregon Climate Change Research Institute, the state’s premier institute addressing issues of climate change in the Pacific Northwest and beyond. It has more than 100 faculty, 200 graduate students and 600 undergraduate students. Graduate programs include Master’s and PhD degrees in Ocean, Earth and Atmospheric Sciences; Geology; and Geography; and a Master’s degree in Marine Resource Management. The college has undergraduate programs in Earth Sciences and Environmental Sciences, with several minors and certificate programs. For more information regarding the College of Earth, Ocean, and Atmospheric Sciences visit: http://ceoas.oregonstate.edu

This position will reside in the Geography program and within the Geography, Environmental Sciences and Marine Resource Management (GEM) discipline group of CEOAS.

This position will complement existing geospatial expertise at CEOAS and OSU including GIS, remote sensing, spatial statistics, modeling, and geospatial intelligence and planning.
OSU has an institution-wide commitment to diversity, multiculturalism, and community. We actively engage in recruiting and retaining a diverse workforce and student body that includes members of historically underrepresented groups. We strive to build and sustain a welcoming and supportive campus environment. OSU provides outstanding leadership opportunities for people interested in promoting and enhancing diversity, nurturing creativity and building community.

Salary is competitive and will be commensurate with experience. The OSU benefit package includes several options for health/dental/life insurance and retirement as well as a program for reduced tuition for qualified dependents. http://hr.oregonstate.edu/benefits/

Responsibilities:
50% Teaching and advising: Teach undergraduate and graduate courses in cartography and geovisual analytics including courses in his/her specialty. Activities also include assisting with student research and internships, mentoring and advising students, and designing curriculum.

40% Research and Scholarship: Maintains a primary research focus on fundamental research in cartography and geovisual analytics including models, statistics, and/or algorithms to investigate coupled human and natural systems and/or geographic processes associated with land use, water resources, natural hazards, and/or climate change. Establish and maintain a program of research that supports timely promotion in rank, significant contributions to the field, and continued external funding. Work towards distinction in research as evidenced by national recognition. Research activities are expected to result in publications that advance knowledge and understanding. Results of research should be disseminated in peer-reviewed journals, conference proceedings, and books appropriate for the discipline, as well as in presentations at national and international scientific meetings. Put forth a competent and professional effort to obtain external funding for their research programs.

10% Service: Service to the disciplinary group, the college, the university, and the profession.

Minimum/Required Qualifications:
- PhD in Geography or related discipline by start of employment.
- Demonstrated record of scholarship in cartography and geovisual analytics.
- Demonstrated ability in fundamental methods and/or theory of cartography and geovisual analytics.
- Demonstrated record of collaborations involving geovisual analytics applications to coupled human and natural systems and/or geographic processes.
- Demonstrated ability or potential in teaching spatial thinking, maps and imagery, cartography, algorithms in geovisual analytics, and web mapping.
- Demonstrated commitment to teaching and advising excellence.
- Strong communication and interpersonal skills.
- Proficiency in oral and written English.
- Demonstrable commitment to educational equity in a multicultural setting and commitment to advancing the participation of diverse groups and supporting diverse perspectives.

Preferred Qualifications:
- Demonstrated knowledge of cartographic theory.
- Demonstrated ability to develop geovisual analytics curricula.
- Demonstrated ability to develop novel and creative algorithms for visualizing processes in space and time.
- Demonstrated ability to teach programming in R.
- Demonstrated ability to secure extramural grants/contracts.

Application Closing: For full consideration, applications must be received by October 27, 2015. Position closing date is November 27, 2015.

To Apply: go to https://jobs.oregonstate.edu/ posting 0015727.
For information regarding the College of Earth, Ocean, and Atmospheric Sciences please visit http://ceoas.oregonstate.edu/.

Applicants will be required to attach the following electronic documents that should address the required and preferred qualifications:

1) Detailed curriculum vitae including a list of publications, funding history, and teaching experience.

2) Cover letter indicating how your qualifications and experience have prepared you for this position and are relevant to CEOAS and OSU.

3) Statement of (1) current and proposed research interests; (2) teaching experience and interest; and (3) how you would contribute to the OSU commitment to diversity, multiculturalism, and community.

4) Three letters of professional recommendation are required for this position. When applying, you will be asked to provide the email addresses for three referees who will be sent a secure quicklink that will allow them to upload the requested letters of reference on your behalf.

Inquiries about the position may be directed to Dr. Hannah Gosnell by email gosnellh@geo.oregonstate.edu or phone 541-737-1222.

To ensure full consideration, applications must be received by October 27, 2015. Applications will continue to be accepted after the full consideration date, until a sufficient applicant pool has been achieved or the position is filled. The closing date is subject to change without notice to applicants.

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UNIVERSITY OF FLORIDA – GAINESVILLE, FL

12-month position with tenure accruing in the Program for Resources Efficient Communities and Center for Landscape Conservation and Ecology. The assigned responsibilities will be 60% research (Florida Agricultural Experiment Station) and 40% extension (Florida Cooperative Extension Service), Institute of Food and Agricultural Sciences, at the University of Florida. This is one of four advertised positions in a multidisciplinary cohort that will work together and with other scientists to address issues related to environmentally resilient, resource efficient land use and community planning. In research, the faculty member will develop active, successful, nationally recognized and externally funded programs in the use of geospatial sciences to enhance community resilience and urban natural resource conservation. In extension, the emphasis will be on collaborating with land development, community management and natural resource professionals in both the public and private sectors to quantify impacts associated with specific land use patterns, land management plans and mixed-use community proposals. The faculty member will teach one class per year. A doctorate in Urban Regional Planning; Geography; Forest Resources; Geomatics; Engineering; or other discipline is required. Skills and experience directly related to geospatial analytics are essential and their applications in land, community and/or natural resource development, sustainability and/or resilience are highly desirable. For questions about the position, contact Dr Michael Andreu, mandreu@ufl.edu. To apply go online to http://explore.jobs.ufl.edu/cw/en-us/job/493118.

The University of Florida is an equal employment opportunity employer.

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UNIVERSITY OF WISCONSIN – MADISON, WI

The Department of Geography at the University of Wisconsin-Madison invites applications for an open-rank Professor of Asian Studies.

Degree and area of specialization: Ph.D. required prior to start of appointment. Area of specialization is open.
Minimum number of years and type of relevant work experience: Expertise in at least one South or Southeast Asian language required. Preference will be given to applicants who demonstrate the ability to cross disciplinary and cultural borders in their research and teaching, and who have the vision and skills to build new academic programs. Teaching experience preferred. The department is particularly interested in candidates whose work addresses pressing issues of the day, in areas including but not limited to: digital humanities; literary, media, or cultural studies; qualitative and fieldwork-based social sciences on themes such as poverty, health, migration, human rights, and the environment; or religious studies.

Principal duties: Successful candidate will be expected to teach two courses per semester at the undergraduate and graduate level. Tenure-track candidate must engage in scholarly research leading to promotion with tenure in accordance with university policies and procedures. Record of excellence in research, as well as distinguished teaching at the undergraduate and graduate levels, required for promotion with tenure.


Application deadline: **October 15, 2015.**

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