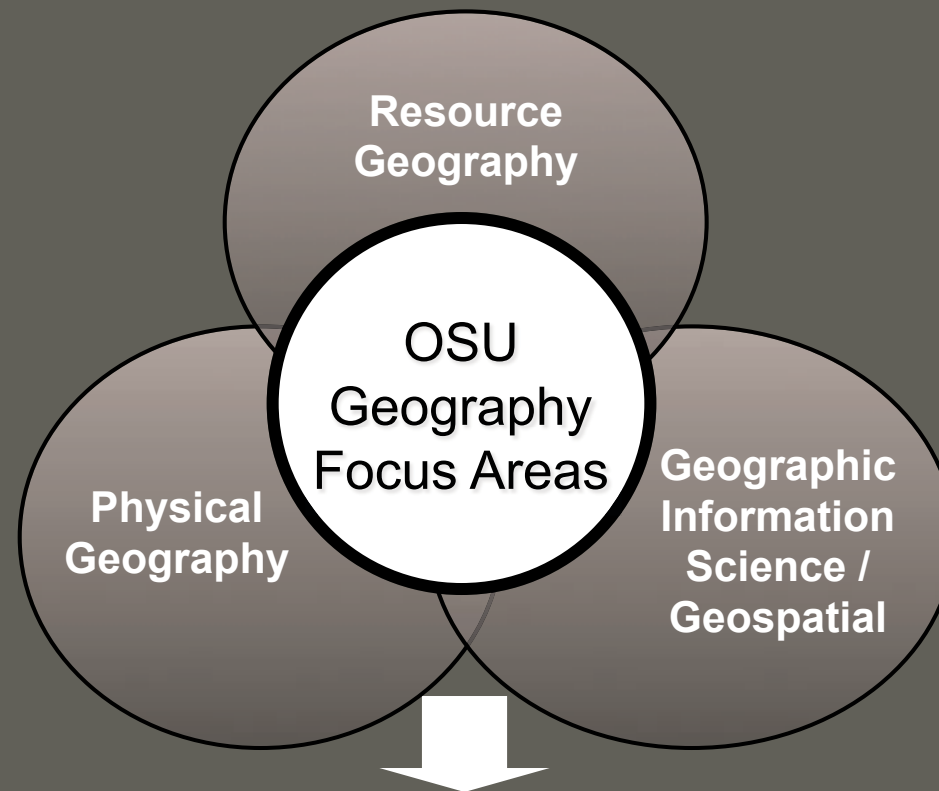
The background of the slide is a photograph of the Oregon State University building, featuring a large dome and classical columns. The image is slightly faded to allow the text to stand out.

Oregon State University Geography “Programmatic CV”



University Signature Areas of Distinction

Science of Sustainable Earth Ecosystems

Economic Growth and Social Progress

Human Health and Wellness

Basic Inquiry in Arts and Sciences

History & Mechanisms of Earth, Climate, & Ecosystem Change



Tenure-Track Geography Faculty

- **Larry Becker**
 - *Assoc. Professor*
 - **Geog Undergrad Adviser**
- **Hannah Gosnell**
 - *Asst. Professor*
- **Julia Jones**
 - *Professor*
 - **Geography Program Director**
 - **IGERT Director**
- **Michael Campana**
 - *Professor*
- **Anne Nolin**
 - *Assoc. Professor*
- **Aaron Wolf**
 - *Professor*
 - **Chair of Department**
- **Dawn Wright (on leave)**
 - *Professor*
 - **Esri Chief Scientist**
- **Bernard Jenny**
 - *New Asst. Professor 2011-'12*

Tenure-track FTE in **Geography** = 8.0

Tenure-track FTE in **Geology** = 10.1

Geography & Geology faculty teach over 22,000 SCH annually, ~1000 SCH/staffer

We accomplish an incredible amount given our small numbers, ~half of normal-sized departments

Other Geography Faculty

- 1 Program Dir/Fixed-Term Asst. Prof. (Mary Santelmann, directs WRGP at 0.25 FTE)
- 1 Program Developer/Director (Lynette de Silva,)
- 1 Assoc Program Dir/Fixed-Term Asst. Prof (Todd Jarvis, IWW at 0.5 FTE)
- 3 Fixed-Term Instructors (Steve Cook, Cub Kahn, Laurie Becker)
- 1 Faculty Research Asst./Leave-Replacement Instructor (Mark Meyers)
- 1 Senior Researcher/Postdoc (Helen Jenny)
- 1 Certificate Director (Kuuipo Walsh, E-Campus)



Selected Faculty Awards

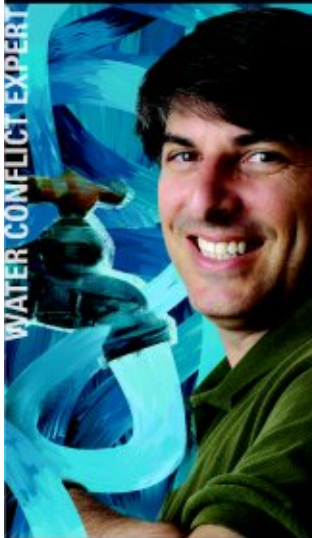
- **Wright** selected as a Leopold Leadership Fellow, 2011, Woods Institute for the Environment, Stanford University.
- **Nolin** holds the Landolt et Cie Chair for Sustainable Futures, Federal Institute of Technology, Lausanne, Switzerland.
- **Becker and Kimerling** hold OSU Carter Awards for Outstanding and Inspirational Teaching in Science. **Wright** is a 2-time finalist
- **Kimerling, Wright, and Wolf** hold OSU Milton Harris Awards in Basic Research.
- **Kahn** awarded the 2007 Vice-Provost and Directors Award for Outstanding Achievement in On-line Teaching Innovation.
- **Meyers** holds an OSU Outstanding Faculty Research Assistant Award.
- **Wright** named 2007 U.S. Professor of the Year for the State of Oregon by CASE/Carnegie Foundation and is a AAAS Fellow.



Selected National / International Service

- **Campana, Jones, Nolin, and Wright** currently serving on various committees for the National Academy of Science (and **Wright** serves also on the National Ocean Studies Board).
- **Nolin** serving on the American Geophysical Union Council and as Focus Group Chair of Cryosphere Sciences.
- **Nolin** serving on various NASA committees and as an expert reviewer for reports of the Intergovernmental Panel on Climate Change (IPCC).
- **Jones** consistently serves on NSF review panels and is a longstanding co-PI of the H.J. Andrews Experimental Forest, one of 26 U.S. Long Term Ecological Research (LTER) network sites.
- **Wright** chaired National Research Committee of the 80+-member University Consortium for Geographic Information Science (UCGIS).
- **Wolf** serves as consultant to the U.S. Department of State, the U.S. Agency for International Development, and the World Bank.





Aaron
Wolf
COLLEGE OF SCIENCE

Oregon State
UNIVERSITY **OSU**

University Advancement

- **Wolf** featured on stage at the kickoff launch event for the \$6 million Campaign for OSU, October 2007.
- **Wolf and Wright** featured on Capital Campaign and general OSU Advancement banners.
- **Gosnell** invited to follow OSU President Ray on Sat night program of 2008 President's Weekend (OSU alumni fundraising event) in Sunriver, and helped lead a tour around Bend for the alumni during the day.
- **Gosnell** recently helped Anne Ruggiero recruit a donor (a wealthy zoology alum from the Bay Area), who has since donated **\$30,000 to the Geography program** to hire grad students for work in "rural sustainability" in the American West.
- **Nolin** featured in the 2006 OSU President's Report.



Dawn Wright
Geosciences



OSU Strategic (Provost's) Initiatives

OSU invested \$2 million annually for up to 5 years in six interdisciplinary initiatives that leverage existing strengths and potential to advance science and external funding

Of these SIX initiatives, geographers either lead or play critical roles in THREE of them ...

- Computation and Genome Biology
- Ecosystem Informatics
- Healthy Aging
- Subsurface Biosphere
- Sustainable Rural Communities
- Water and Watersheds



OSU Strategic (Provost' s) Initiatives

- "Ecosystem Informatics: Mathematics, Computer Science and Ecology"
 - led by Jones and involving Wright, Santelmann + geologists
- "Sustainable Rural Communities"
 - Assisted in hire of Gosnell
 - Gosnell plays critical role
- "Water and Watersheds"
 - strong participation or leadership from Wolf, Haggerty, Nolin, Santelmann, Jones, Gosnell, Daly + other geoscientists



Majors

Current # of undergrad geography majors: 49

Need to *graduate* 20 students per yr

**Current # of grad advisees: 34 Geography,
13 Water Resources, 1 Env Science**

Last year's class very small: 4 Geog, 4 WR, 1 EnvSci

Next year's class thus far will be: 13 Geog, 10 WR

Need to *graduate* 5 MS/2 PhD students per yr



Programs/Certificates

Total # of Water Resources Grad majors: 48

Certificates in Geographic Information Science:

Undergrad: 34 (12 recently completed)

Grad: 29 (10 recently completed)

New Online Grad/Professional: 27 (50 by Fall 2010)

Certificates in Water Conflict Management & Transformation

Graduate: 13 (5 recently completed - first year of program)

Online Grad/Professional: 10



Water Resources Graduate Program

Geoscientists are the heart and soul of this program which brings together students and faculty from 6 OSU colleges and several departments*



Water Resources Graduate Program

- M.S. and Ph.D.s in WATER RESOURCES SCIENCE, WATER RESOURCES POLICY & MGMT, WATER RESOURCES ENGINEERING
- Attracts excellent students (GPA 3.6, GRE V 537, GRE Q 667)
- OSU now “the best place in the world to study water.”
- New concurrent MS-JD program with U of O



IGERT Doctoral Fellowships in Ecosystem Informatics (EI)

Geography leads ONE of TWO IGERTs at OSU
Lead PI Julia Jones, \$3.9 million program



- NSF-funded fellowships attracted top doctoral students nationwide
- EI also available as a graduate minor to other students
- Very interdisciplinary, involving Geography, Forest Science, Math, Computer Science, Biological & Ecological Engineering, and more...



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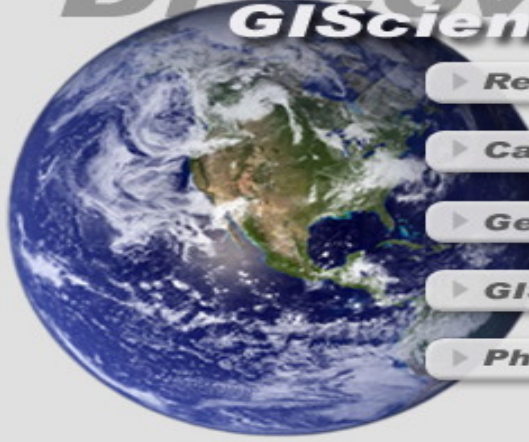
geographic Information Science Certificate Program.

Oregon State
UNIVERSITY
Open minds. Open doors.™

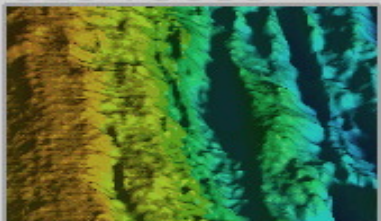
GEOGRAPHIC INFORMATION SCIENCE
Certificate Program

gallery 1 gallery 2 gallery 3

Discover
GIScience



- ▶ **Remote Sensing**
- ▶ **Cartography**
- ▶ **Geomatics**
- ▶ **GIS**
- ▶ **Photogrammetry**

GEO FOCUS 

Processing, production, visualization, and interpretation of seafloor maps based on multibeam bathymetry, sidescan sonar, towed camera imagery, and submersible observations.

Curriculum


- Undergraduate
- Graduate

Faculty

- Core Faculty
- Teaching Faculty
- Adjunct Faculty

Program

- Requirements
- Registration



College of Science
College of Forestry
College of Engineering

WHAT IS "GISCIENCE"?

Geographic information science (GIScience) includes the existing technologies and research areas of geographic information systems (GIS), cartography, remote sensing, photogrammetry, and surveying (also termed *geomatics* in the U.S.). GIScience therefore addresses fundamental issues in the use of digital technology to handle geographic information; namely, information about places, activities, and phenomena on and near the surface of the Earth that are stored in maps or images.

GIScience includes questions of data structures, analysis, accuracy, meaning, cognition, visualization, and many more, and thus overlaps with the domains of many traditional disciplines (e.g., earth science, mathematics, computer science, physics, cognitive science, and ethics). However, GIScience is not central to any of these, representing instead a new kind of scientific collaborative that is defined by researchers from many distinct backgrounds working together on particular sets of interrelated problems.



The Graduate Certificate in Water Conflict Management and Transformation

The Graduate Certificate in Water Conflict Management and Transformation is designed to provide decision-makers, graduate students and water professionals with the required specialized resources and skills that go beyond the traditional physical systems approach to water resources management. It will explicitly integrate human, policy and scientific dimensions of water resources within the framework of governance and sustainability.

This 18-credit graduate certificate provides in-depth skills-building training to enhance personal and institutional capacity in water governance issues and strategies across distinct and overlapping contexts: Water Governance, Water and Ecosystems, Water and Society, and Water and Economics.

[Learn more](#) about the about the Certificate.

See a list of [water conflict-related courses](#) at OSU.



Collaborative Facilitations and Skills-Building Workshops

Program affiliated faculty have designed and implemented a broad spectrum of applied activities in the Western U.S. and throughout the world, including: facilitations and mediations between stakeholders at both the transnational and international levels; skills-building workshops and training courses for graduate students and professionals from mid-career through the ministerial level; and collaborative learning processes in which stakeholders develop conflict management skills while enhancing dialog on current issues of dispute.

Program faculty regularly speaks to and consults with corporations, governments, communities, universities, and non-government organizations.

Recent Student Recognition Outside the Department

- **Tyler Rockey**, undergrad senior, presented undergraduate thesis research at the OSU Celebrating Undergraduate Excellence event, U. Honors College
- **Dylan Keon**, doctoral student won a \$10,000 Northwest Academic Computing Consortium grant for a proposal on his doctoral project.
- **Kathleen Miles**, doctoral student, received a Consortium of Universities for the Advancement of Hydrologic Sciences (CUAHSI) Pathfinder Fellowship.
- **Biniam Iyob**, doctoral student, was featured in the *H2OSU* newsletter of the OSU Institute for Water & Watersheds.
- **Kyle Hogrefe**, former M.S. student, remains the only M.S. student to have won the *national* AAG Honors Competition for Student Papers in GIScience.

