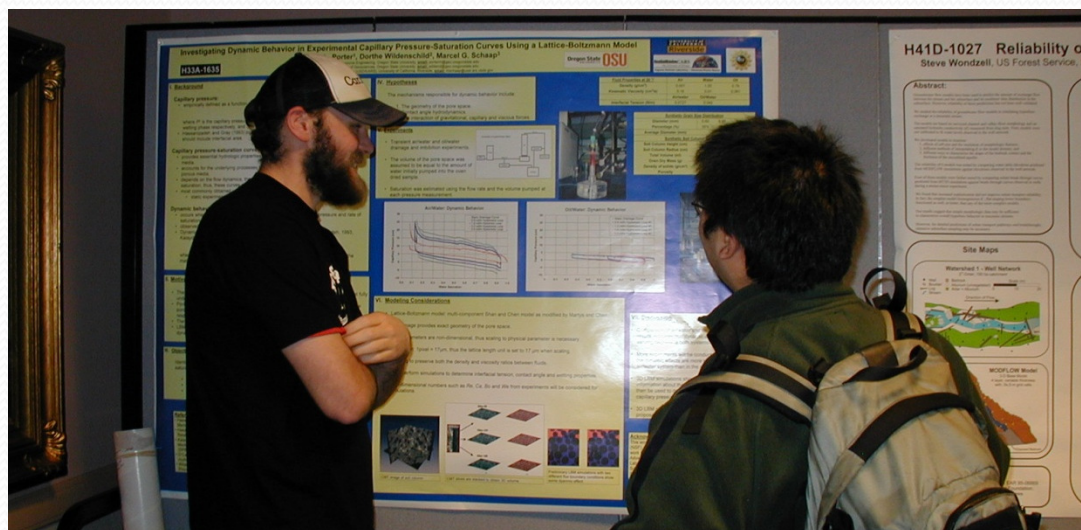




OSU Graduate
Water Resources Program

OSU
Oregon State
UNIVERSITY

OSU Water Resources Graduate Program



Overview



- Program status and enrollment
- Accomplishments
 - 3 year average enrollment of 62 students, award-winning students
 - Over 100 graduates, over 90% of our graduates are successfully employed in their field of study
- Opportunities and challenges
 - Gail Achterman, NSF STEM, OSU GS Fellowships, GRA/GTA support
 - Projects
 - UNESCO program- collaborative MS in Water Security and Peace
 - Program review 2014
 - Proposed changes in program administration- move to a College
- What can you do?
 - Provide input to central administration on proposed move to College
 - External Advisory Board participation

Rationale for interdisciplinary program

- Effective graduate training
 - Water resources issues go beyond disciplinary boundaries
 - Water is managed by many different agencies; students must learn to work with those from other disciplines
 - Incorporates coursework from multiple units on campus
- Building a water community at OSU: Collaboration can stimulate creativity and result in new approaches, enhance competitiveness of grants, develop solutions to problems
- Showcases OSU's strengths in water resources research to other institutions and the world
- Grass roots program est.2004



The WRGP at OSU has many strengths

- Faculty from five colleges
(Agriculture, Arts and Sciences, Earth, Ocean and Atmospheric Sci., Engineering, Forestry)
- Rigorous coursework
- Laboratory facilities and research sites
- OSU water researchers among the top 10 most cited in the world

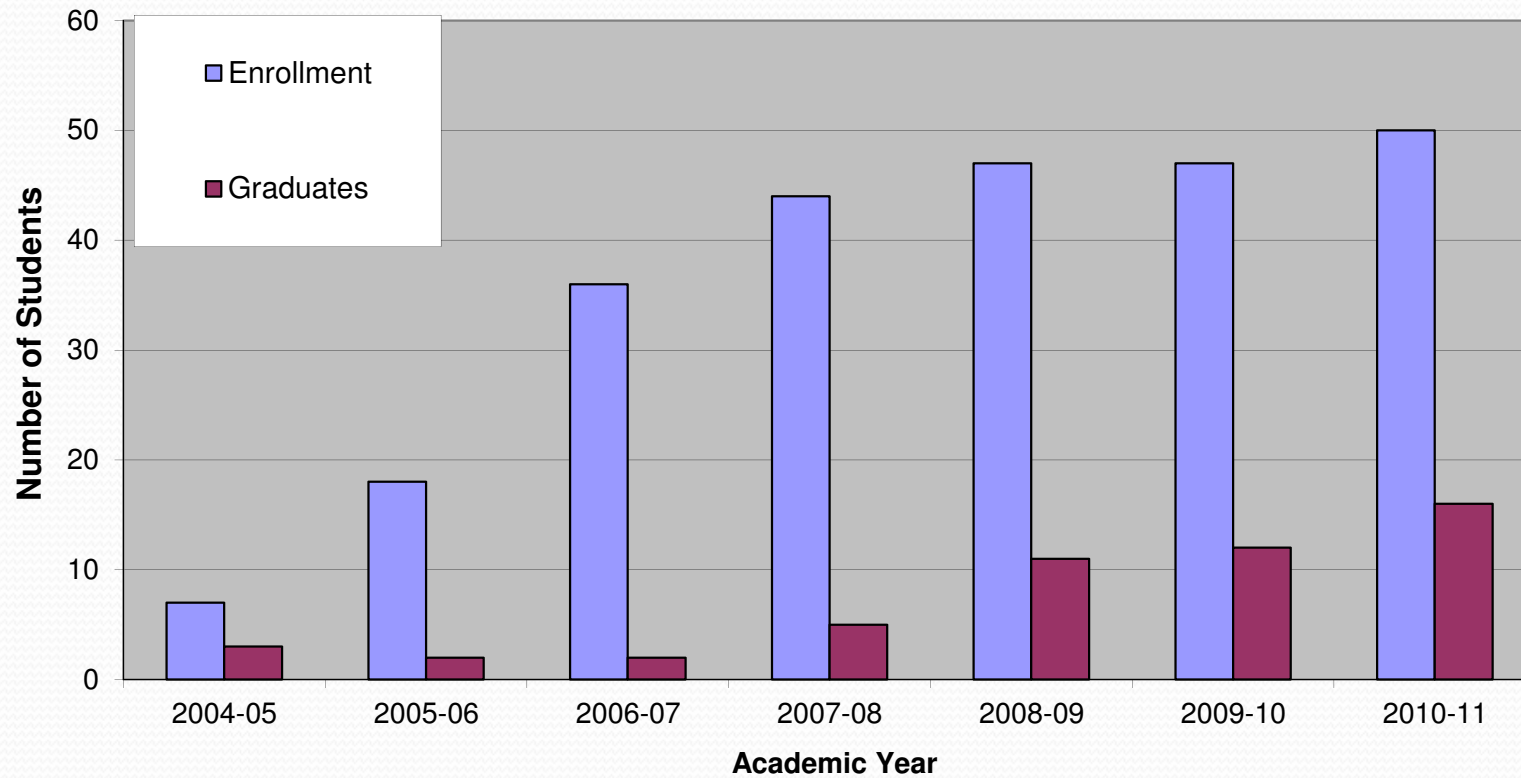




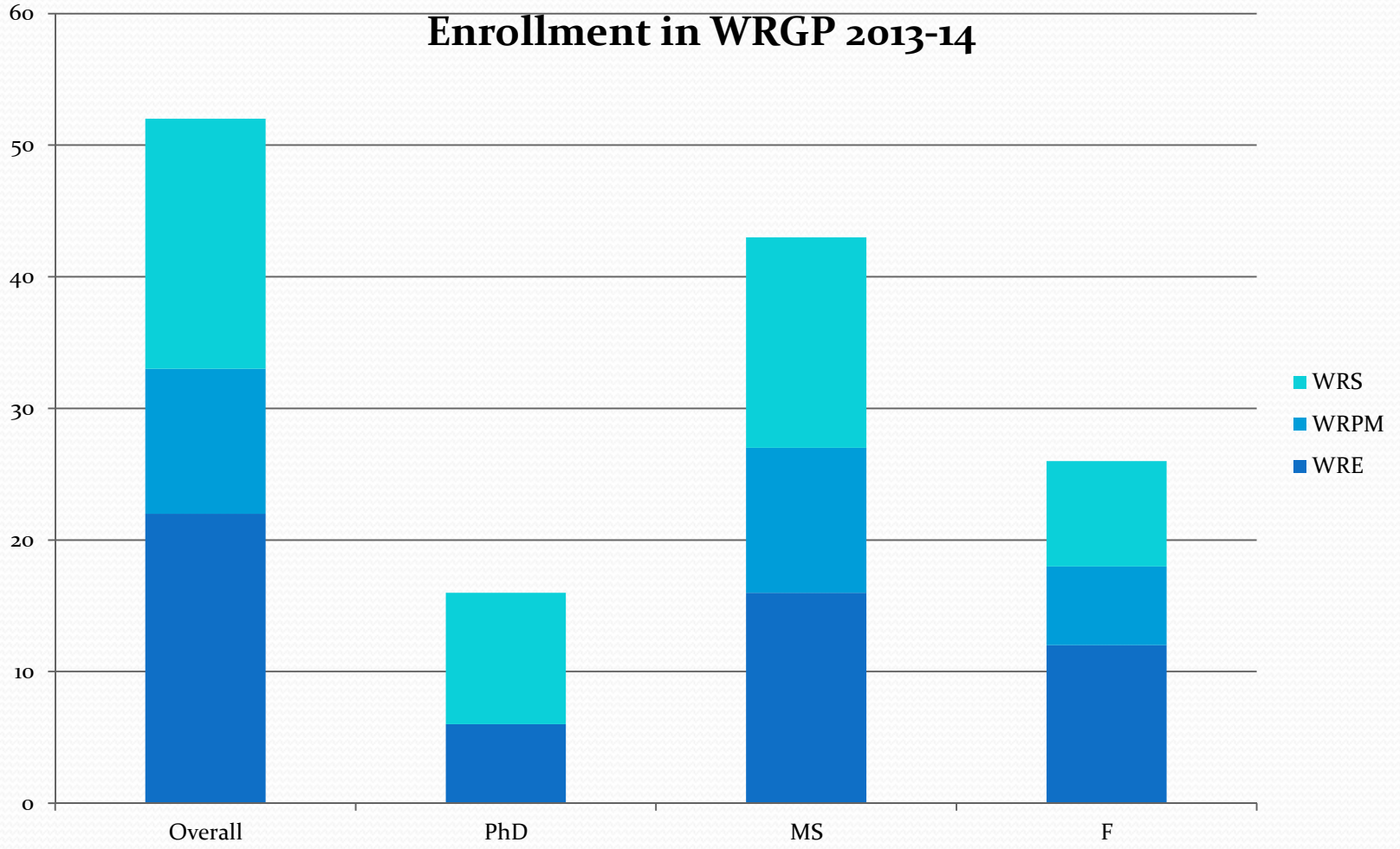
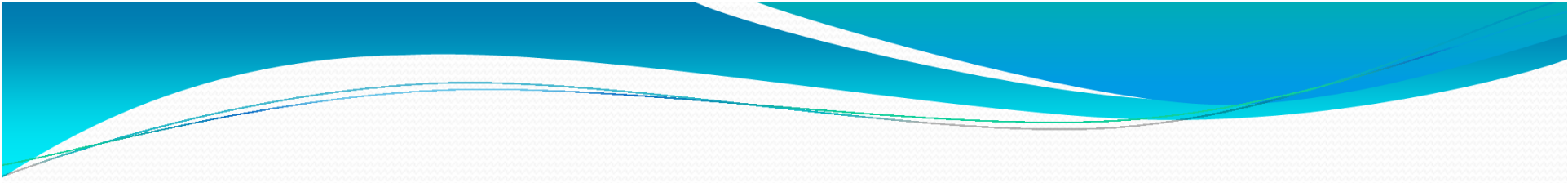
WRGP attracts top graduate students

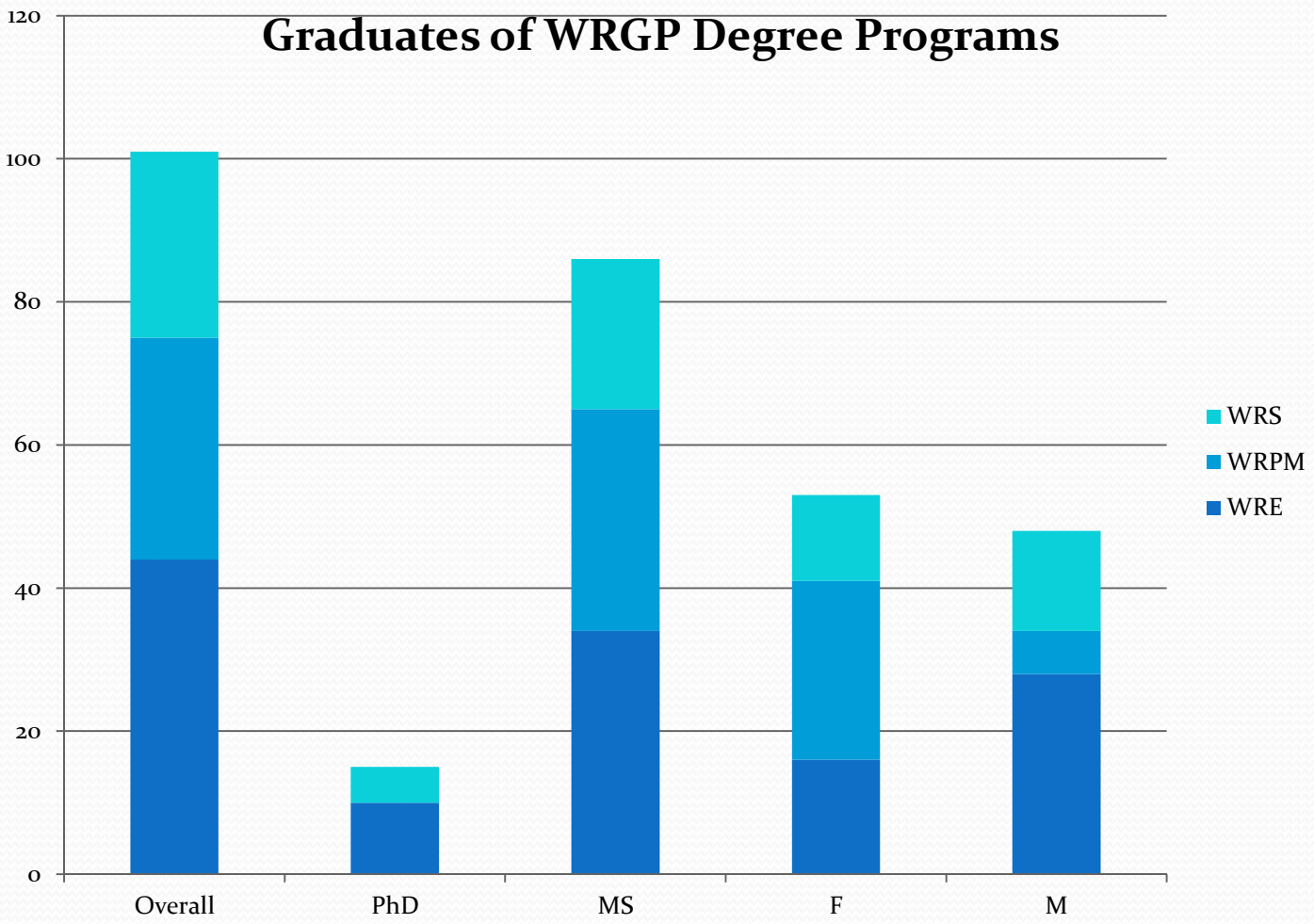
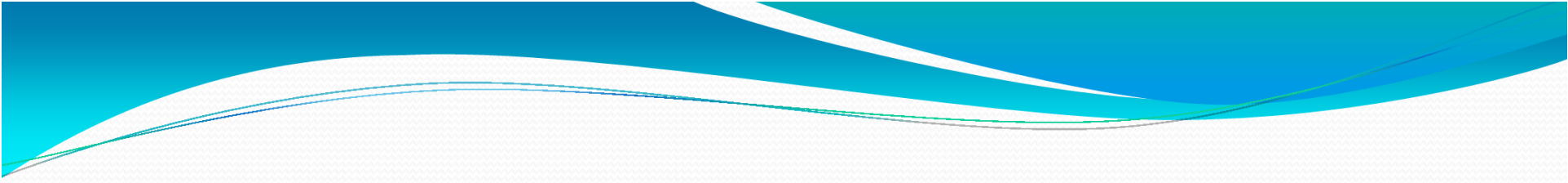
- Fosters collaboration among leaders and future leaders in the field,
- Provides students with opportunities to address real-world problems that require complex solutions,
- Preparation to work in an interdisciplinary environment in a professional career,
- Intellectual challenges; students choose our program because it is interdisciplinary

Graduate Enrollment



In 2011-12 and 2012-13, enrollment was between 62 and 65 students, and there were 19 and 25 graduates, respectively.







Student Accomplishments

- Western Association of Graduate Students Distinguished Masters thesis in 2008
- Chapman and Horton Awards, invitation to Gordon Conference
- Successful National Science Foundation proposals to fund research
- Sasakawa Young Leaders Fellows, East Asia Pacific Scholarship Institute, Future Water Leader from World Water Forum, Hydrophiles voted Best US Chapter 2012 and 2013
- Our graduates are sought for academic positions at colleges and universities, jobs with federal agencies, state government, private engineering and consulting firms

Student Financial Support

- Scholarships
 - Provost's Distinguished Fellowships
 - NSF Graduate Fellowships
 - NSF STEM Scholarships
 - Private Foundation Fellowships
- Research assistantships
- Teaching assistantships
- Oregon Laurels tuition remission





Awards Day Luncheon



Career Panel



Forest hydrology; monitoring stemflow



Hosting international delegations

<http://poweredbyorange.com/2009/08/13/water-everywhere/>

Examples of thesis and dissertation titles



Influence of Hyporheic Flow and Geomorphology on Temperature

Monitoring River Restoration using Fiber Optic Temperature Measurements in a Modeling Framework

Water Management Decentralization in Rural Honduras

Chemical and Isotopical Sourcing of Nitrate Contamination in the Southern Willamette Valley, OR

http://oregonstate.edu/gradwater/view/alumni_directory

Class projects and briefs- examples



Summary

A rigorous, interdisciplinary education will prepare students to address water resource problems. We are committed to providing our students with that educational foundation.

How can we promote synergy among activities undertaken as part of OSU education and research mission and OWRD mission?

Other questions?