

College of Forest Resources Strategic Vision

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Objectives of Presentation

- ◆ Review progress of College transformation
- ◆ Present future directions

Mission Statement

The College of Forest Resources is dedicated to generating and disseminating knowledge for the stewardship of natural and managed environments and the sustainable use of their products and services through teaching, research, and professional and public outreach.

Vision Statement

The College of Forest Resources will be a world-class internationally recognized source of knowledge relevant to environmental and natural resource issues.

World Class Vision Implies

- ◆ High quality (faculty, staff, students, facilities, programs, graduates)
- ◆ High impact (at UW and in our external community)
- ◆ Sufficient resources (facilities, space, funds)

Programmatic Niche

Study and investigate key principles and processes that explain the behavior and interaction of biotic and social systems along gradients from highly to minimally impacted terrestrial ecosystems — gives us a unique interdisciplinary base from which to play a leadership role in developing the science of sustainability – both on and off campus.

Program Impacts

Research, teaching, and public/professional service have a tangible impact on the sustainability of our natural resources and environmental systems

- contributing to our region's diverse economy and quality of life
- enhancing biodiversity on our public and private lands

Program Impacts

- ensuring healthy forests and watersheds
- promoting the economically efficient and ecologically sound production of fiber products
- maintaining healthy plant communities to enhance our urban ecosystems
- restoring degraded landscapes
- providing society with recreational opportunities in natural and managed settings

Strategic Themes

- ◆ Land and ecosystem management in an urbanizing world
 - *conflicts and tradeoffs among competing human and natural resource values in the growing and urbanizing global population*
- ◆ Sustainable forest enterprises
 - *land and water resource production, use, and management, with attention to the material and social impacts of sustainable practices*

Sustainability Is Our Integrating Goal

- ◆ Sustainable forestry in managed and natural forests
 - Plantations, parks, reserves, watersheds
- ◆ Sustainable urban environments
 - Urban forestry, horticulture, public gardens, restoration ecology, water, wildlife
- ◆ Sustainable forest enterprises
 - Paper mills, precision forestry technologies, tourism, recycling, wood products, non-timber products

Our Academic Programs

- ◆ Encompass the functionality and sustainability of complex natural resource and environmental systems featuring
 - Interdisciplinarity
 - Integration
 - Collaboration (on and off campus)
 - Team approach
 - Multiple scales
 - Gradient from urban to rural systems

Our Research Programs

- ◆ Emphasize coupled human and bio-physical systems
- ◆ Support development of a new science of sustainability to integrate ecological and economic approaches in a socially acceptable manner
- ◆ Develop technology; discover new scientific knowledge; and transfer knowledge to the user community

Research Areas

- ◆ Ecosystem Structure and Function
 - Productivity, health, processes, management
- ◆ Social and Human Systems
 - Valuation, system integration, natural/human interactions
- ◆ Technology
 - Remote sensing, bio-energy, sustainable products, information technology, bio-technology

Future Directions

- ◆ New faculty hires
 - Opportunity to transform the College
 - Identify new science/technology so we can ‘leap frog’ into new areas with these hires
 - Nine new positions -- four returned to Provost as retirements occur
 - All positions must promote and contribute to our vision of sustainability

Future Directions

- ◆ Refine future research agenda
 - Current initiatives in bio-energy and products, forest stand development, etc.
 - Identify collaborators on and off campus
 - Identity funding needs and sources

Future Directions

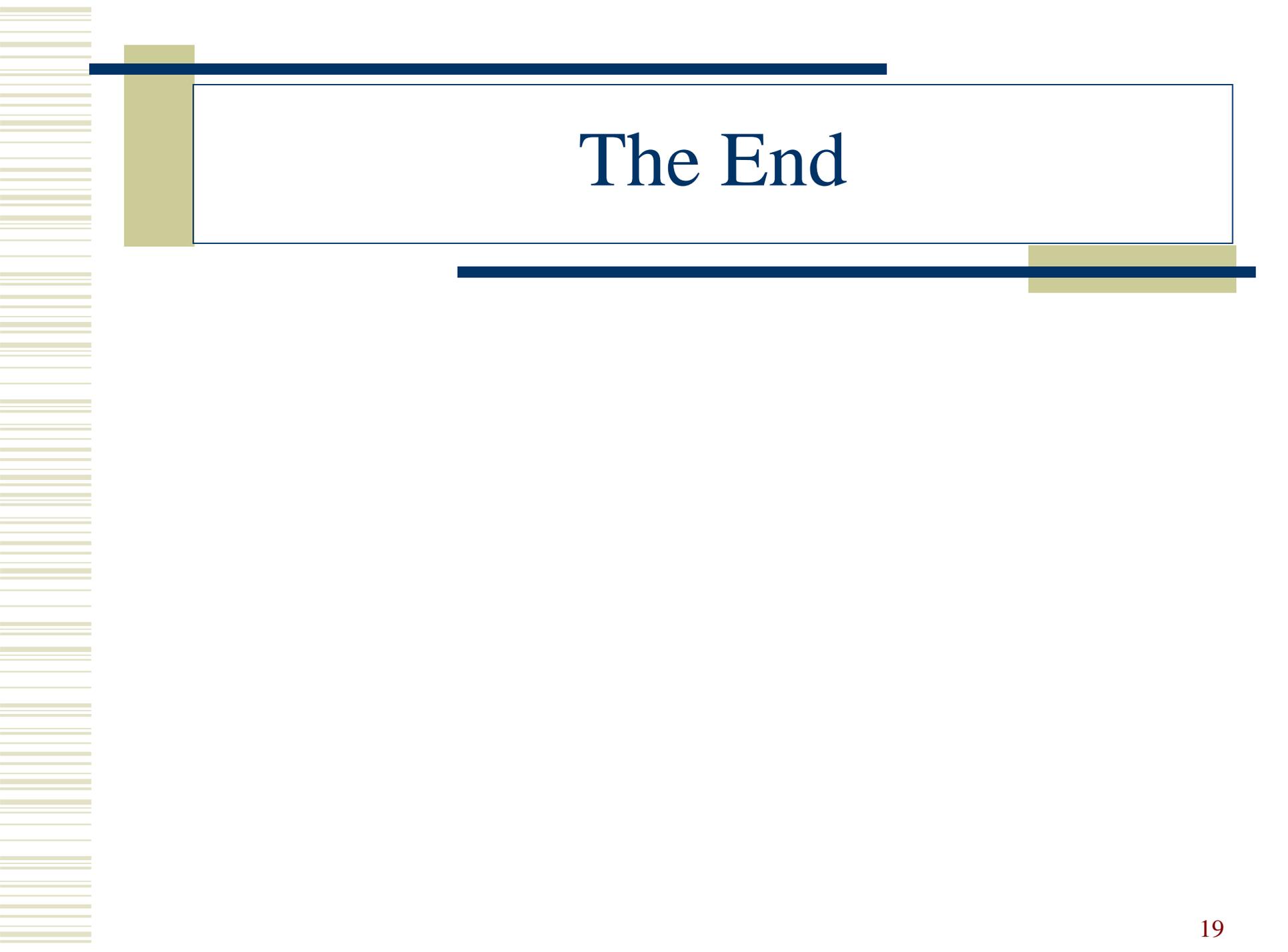
- ◆ Identify future facility needs
 - Link laboratory upgrades with new faculty hires
 - Adequate interactive teaching facilities
 - NW Environmental Forum
 - Pack Forest upgrades with CSF
 - New natural resources sciences building

Future Directions

- ◆ Assess and revise (as needed) undergraduate and graduate curricula
 - Develop recruitment strategy
 - Diversify student population
 - Develop mentoring program to ensure student success

Development Goals

- ◆ Promote faculty research and development activities
- ◆ Enhance student learning opportunities
- ◆ Improve College facilities and associated infrastructure
- ◆ Program support for interdisciplinary centers



The End