Increasing Funded Research for Members

Global Leaders Forum
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NC State Statistics

- 4 tenure track and 2 non-tenure track faculty
- Graduate enrollment: 53 CEM
  - 6 Phd and 47 MCE or MSCE
  - Funded: 64% (42% MCE, 32% MSCE, 26% Phd*)
  - Nonfunded: 36% (MCE distance education)
  - Domestic: 60%
  - International: 40%

*Several come with funding
NC State Statistics

• # Endowed Chairs: 2
• Average annual research expenditures
  • Varies per year (~50-100k/research faculty)
Research Need Identification

- **Well defined open solicitation** (money and idea are identified in RFP—e.g., NCHRP)
  - Team is critical
- **Undefined open solicitation** (money available with a broad topic idea—e.g., National Science Foundation and DOT projects)
  - Team and Idea are critical
Research Need Identification

• Unsolicited ("cold calling"—e.g. local contractors) Need to establish availability of funds, needs, and create an appropriate team to solve problem

• Team, idea, and money are critical

Research Portfolio should include a blend of funding approaches
Funding Agencies Supporting Research

- North Carolina Department of Transportation
- National Science Foundation
- Construction Industry Institute
- Local Construction Companies
Ideas for Increasing Interactions among Member Universities

• Sharing Laboratory Facilities
• Faculty swaps and/or Sabbaticals
• Graduate Student Internships at other universities
• Collaborative Research Proposals
Questions

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