The CIRTL Network: Linking National and Institutional Efforts to Prepare Future STEM Faculty as Effective Teachers

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Network Characteristics

- **Commonality amidst institutional diversity**
  - Shared mission and values
- **Collegiality**
  - Active, friendly, supportive group
- **Meaningful Interactions**
  - Regular in-person & online meetings
  - Knowledge exchange
  - Collaboration
- **Support Mechanisms**
  - Formal & informal leadership structures
  - Logistical Support (e.g., meetings, technology, paper, etc.)

The Impact of CIRTL

- **Local CIRTL Leaders**
  - Professional development
  - Increased social capital
  - Expanded & supportive colleague network
- **Local Teaching Development Programs**
  - Access to program ideas & resources
  - Benchmarking with peer institutions
  - Program enrichment through CIRTL's core ideas, learning outcomes, & cross-network offerings
- **Grad Students & Postdocs**
  - Expanded teaching development opportunities
  - Teaching self-efficacy gains
  - Learn & adopt effective teaching practices
  - Career preparation; shift towards more teaching-focused roles
- **University**
  - Prestige & cache of CIRTL membership raises awareness of the importance of preparing future faculty
  - Interdisciplinary STEM learning communities
  - Institutionalized CIRTL programs
  - Enhanced undergraduate education
- **National**
  - 42 CIRTL Network universities represent a major percentage of STEM PhD production in the United States.
  - CIRTL campuses train thousands of graduate students & postdocs each year in evidence-based teaching practices
  - CIRTL MOOC trains thousands per year
  - Expected yield equals 25% of the current national production rate of faculty 6 years out of graduate school

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