The IEA/ETS Research Institute
What is it?

- Collaborative agreement between the IEA and Educational Testing Service (ETS)
- Focus on improving the science of large scale assessment
- Undertakes activities around three broad areas:
  - Research studies related to the development and implementation of large-scale assessments
  - Professional development and training
  - Dissemination of research findings and information gathered through large-scale assessments
Why come together?

• Common interest in improving the science of large scale assessment

• Areas of common interest:
  ✓ Design and planning
  ✓ Data collection
  ✓ Data processing
  ✓ Data analysis
  ✓ Reporting
  ✓ Making use of results

• Not the first time ETS collaborates in IEA activities
Research Activities

- A “Virtual” Institute
- Research Agenda
- Make available consulting and advisory resources to researchers wishing to conduct policy or methodology related studies
  - Identify relevant policy issues
  - Identify analytical strategies most appropriate for providing and analyzing data to address these issues
  - Apply statistical techniques and other research methodologies
Research Activities

- Research Priorities:
  - Develop a more scientific approach to the development, use and interpretability of background questionnaires
  - Develop new constructs that extend the policy issues that might be addressed by these assessments
  - Improve the measurement of cognitive domains
  - Investigate effects of increased emphasis on the role of technology
  - Identify thematic issues for guiding secondary analyses
Training Activities

• Workshops and seminars
  ✓ Thematic
  ✓ Making use of specific data

• IERI Academy
  ✓ Twice a year
    • Categorical Data Analysis
    • Using PIRLS 2006 and PISA 2006 data
    • Test Designs, IRT and Estimating Scores (2!!)

• AERA and NCME Workshops

• Internship and fellowship programs
  ✓ Optimizing rotation designs for LSA
Dissemination Activities

- **Sponsor a Monograph Series**
  - Published annually
  - 5-7 papers
  - Peer reviewed
  - Receive favorable technical, substantive, and editorial review

- **Sponsor other publications that contribute to the advancement of the field**