Innovation, Complex Research Teams, and Problems of Integration: The Missing Link

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Our Agenda

Evaluators need to

• be involved in evaluating solutions to societal crises
• create new evaluation tools
• create new social science theory
The Societal Crisis:
The loss of competitiveness in high tech sectors

Evidence:
• Rising Above the Gathering Storm (2007) and other books by Kao (2007) and Estrin (2008)
• Negative balance of trade across the 11 high tech sectors as tracked by NSF since 2002
• The decline in middle class salaries and increasing unemployment in these occupations
The New Evaluation Tools

Jordan, Hage and Mote

• The research environment survey
• R&D and innovation logic models
• Innovation System Evaluation framework (a three level set of nine indicators)

Today we focus on three new Evaluation tools:
Check lists for studying
• different kinds of complex teams, and their problems
• transformational organizations (capable of bursts of radical innovation)
• idea innovation networks
New Contributions to Social Science Theory

Theories of

• complex research teams in the management of innovation literature
• transformational organizations for the sociology of innovation literature
• networks for network theory