

5.7.2005 International workshop
**Evaluation of Innovation Programmes
– case Tekes**

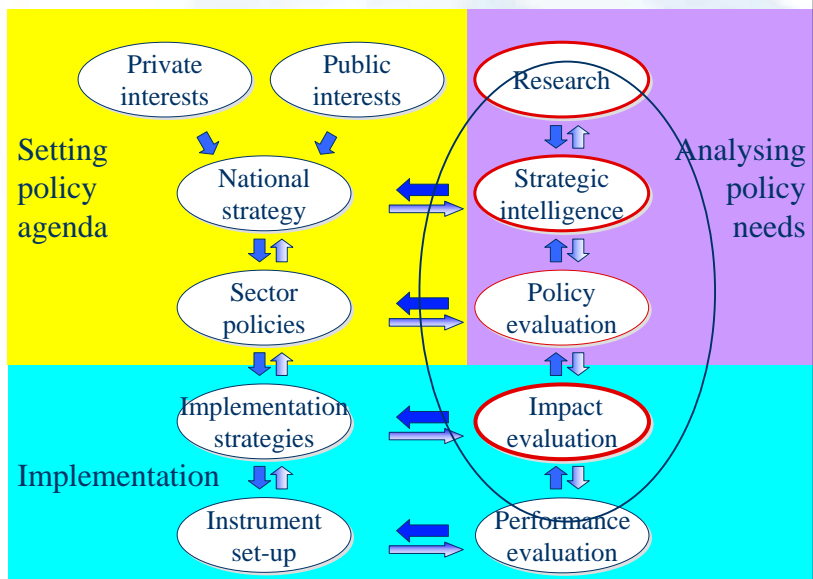
Eija Ahola
Tekes Impact Analysis

- Systemic approach
- Framework for Impact Assessment at Tekes
- Evaluations in Practice



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Innovation Policy Cycle



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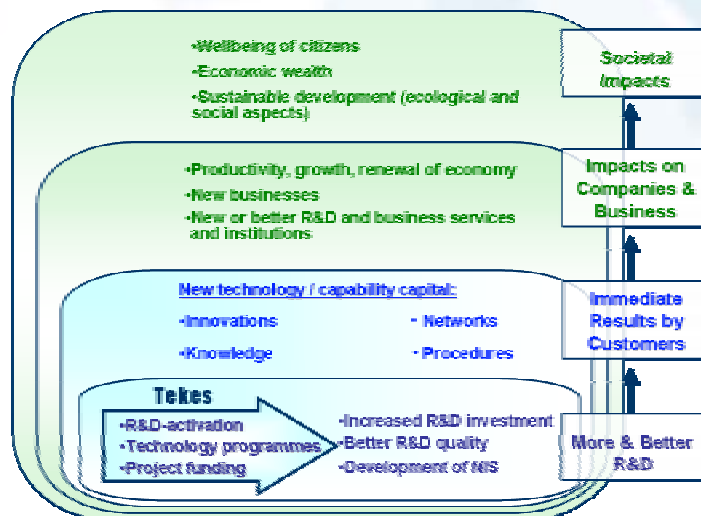
Essentials of Evaluation

- Facts and figures, reporting system, databases, statistics, background material
 - Relevant questions
 - Applicable theoretical frame
 - Capable evaluators
 - Absorbtion and adoption capability of the organisation
 - Implementing and exploitation of evaluation results
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- Evaluation is a process that should feed strategy and policy processes



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Framework for Impact Assessment



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Impact Assessment of Public R&D Funding

Impact Indicators and Statistics

- Indicators and statistics at the level of national economy
- Cross-country comparisons, benchmarking

Used in evaluations and strategic planning

Innovation Research, Econometrics

- Studies concerning innovation, R&D, public support and value generation, (e.g. econometric studies utilising Tekes funding data and Finnish firm data)

"Validation" "Bridging the gap"

Evaluations

- Technology programme evaluations focusing on the additionality of programme, Evaluations of funding focusing on behavioral and other additionality aspects of funding

"Bridging the gap"

Internal Project Database

- Quantitative estimations of outcome (panel data)
- Qualitative survey data submitted by recipients and expert staff evaluations

Main source of data for operative monitoring of activities, data used also in evaluations and econometric studies



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Criteria for evaluators:

The quality of the evaluation plan:

- The adequacy of the plan compared to the goals of the evaluation
- the theoretical framework for interpretation of findings
- the diversity and challenges of the plan
- efficiency of project organisation and resources
- appropriateness of evaluation methods

Capability and knowledge base of the evaluation team; education and experience in:

- technology and innovation policy
- innovation and technology policy research
- evaluation
- technology, industry, cluster... (substance)

Price:

- cost per unit (day)
- total price



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Evaluations in Practice: Technology Programme Strategies

Focus in technology and innovation policy has changed –
and so have technology programmes – and even evaluation of programmes

Technology based
competitiveness

Use of technology
and commercialisation

Innovation chain and
cluster development

Business concept
opportunities

1980's

1990's

2000's



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Programme evaluation “generations” at Tekes

- **First generation**
 - Performance evaluation
 - Feedback for participants
 - Peer reviews
- **Second generation**
 - Separation of performance and impact evaluation
 - Internal performance evaluation supporting monitoring
 - External impact evaluation supporting programme design
- **Third generation**
 - Impact modelling and thematic evaluations
 - Supporting renewal of technology programme concept
 - Better support for policy design



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3rd generation Technology programme evaluations

Feedback for

- (participants)
 - (To develop technology programme process)
 - Technology strategy process
 - Innovation policy
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- Programmes for new business operating models
 - Programmes for innovations in changing business regulation
 - Industrial cluster programmes
 - Programmes for innovations and commercialisation
 - Targeted programmes
 - Programmes looking for technology synergy
 - Internationalisation in national programmes



New challenging in-house project: Total Impacts of Innovation Activities and the role of Tekes

