

Instrument-specific Evaluation Methods of Tekes Activities

Jari Hyvarinen, PhD

Tekes, Finland

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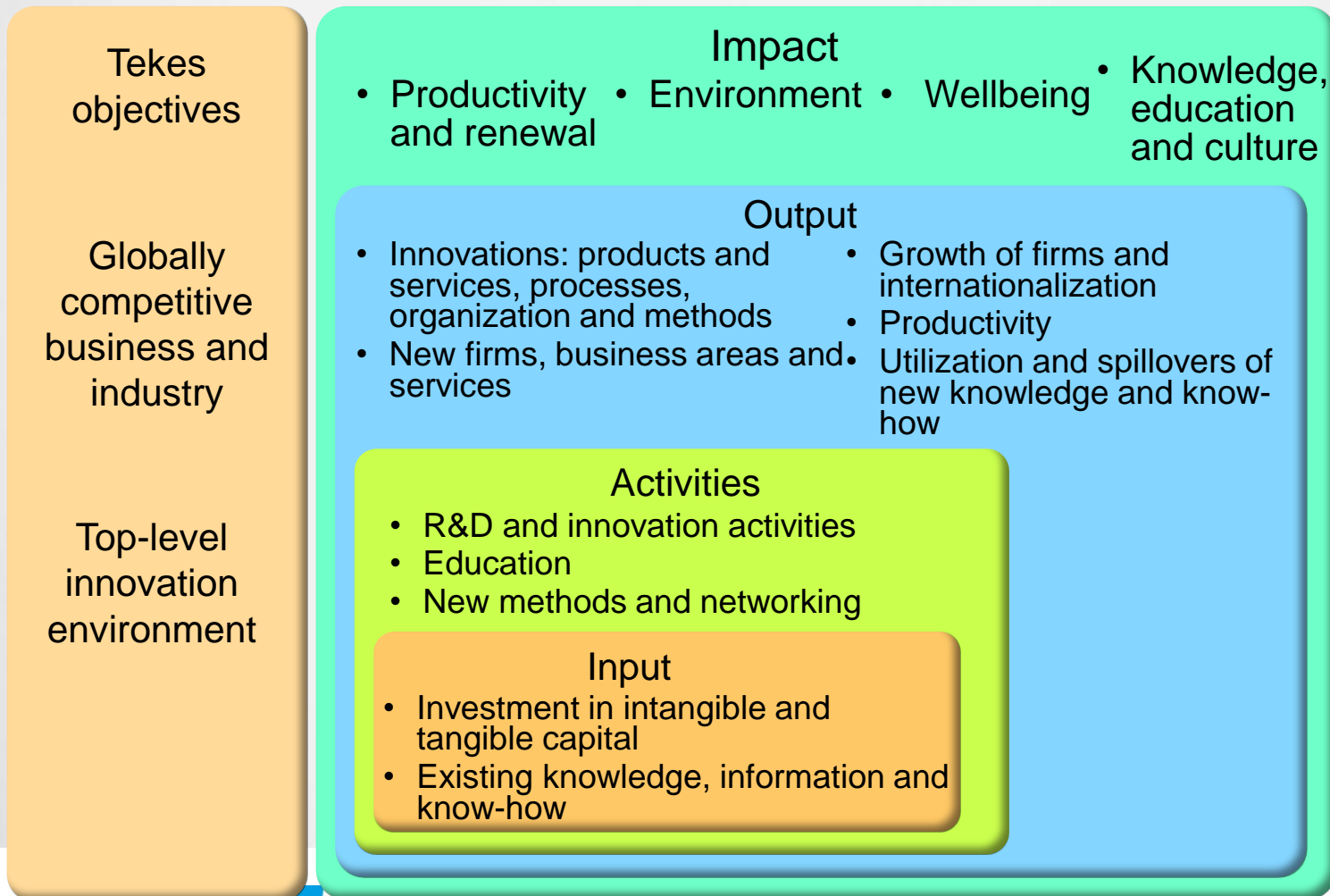
Introduction

- Tekes is the most important publicly funded expert organisation for financing research, development and innovation in Finland.
- Tekes promotes a broad-based view on innovation: besides funding technological breakthroughs, Tekes emphasises the significance of service-related, design, business, and social innovations.
- Tekes finances annually around 1,800 business research and development projects, and public research projects at universities, research institutes and universities of applied sciences.

Evaluation Questions

1. What are methods, results and outcomes of the Tekes activities from the perspectives of several pathways of goals, instruments, beneficiary segments and innovative sectors?
2. What are the working methods to reach new goals? What is the value added of statistical analysis, case studies, innovation-specific pathways, and meta evaluations?

Tekes impact model 1.0



Innovation funding with proven impact

Tekes has partly funded

65%

of well-known Finnish innovations

SMEs expect projects in 2015 to produce

8

billion euros in turnover during the target year

Projects that were completed in 2015 generated

1,250

patents

Projects that were completed in 2015 generated

1,880

products, services or processes

Over 80%

of Tekes customers state that the Tekes funding was a significant factor in their success

In growth companies funded by Tekes, the increase of turnover was

18%

points faster than in other SMEs in 2011-2014

Projects that were completed in 2015 generated

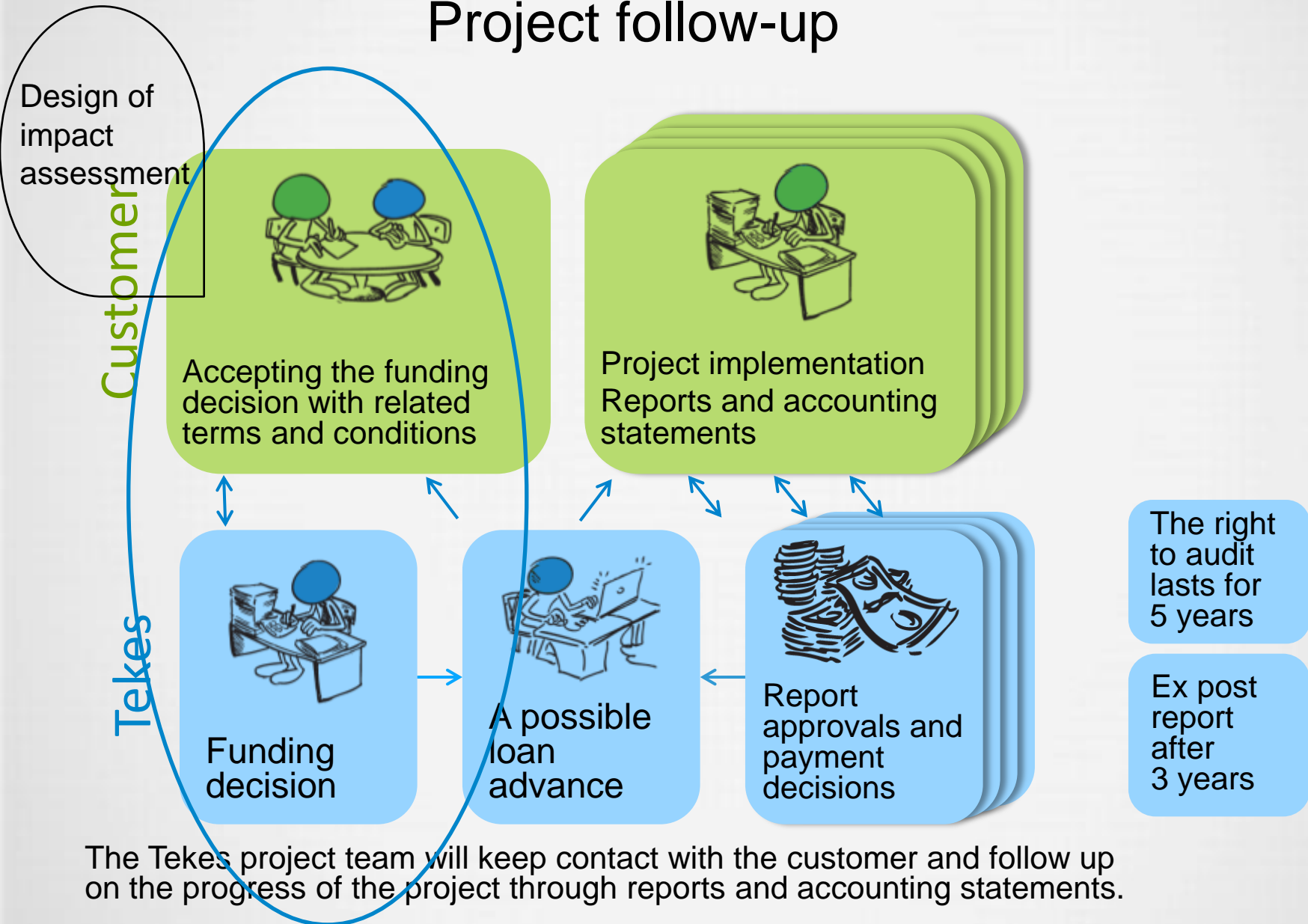
1,320

academic theses

In SMEs funded by Tekes 10 years ago the increase of jobs was

3,000

Project follow-up



Tekes Evaluation Model

Planning of
Impact
Assessment

Ex-ante
evaluation



Each project
application will
be evaluated by
the project team
in Tekes

Continuous
monitoring

Programme
Evaluation
I

Programme
Evaluation
II

Instrument
Evaluation
I

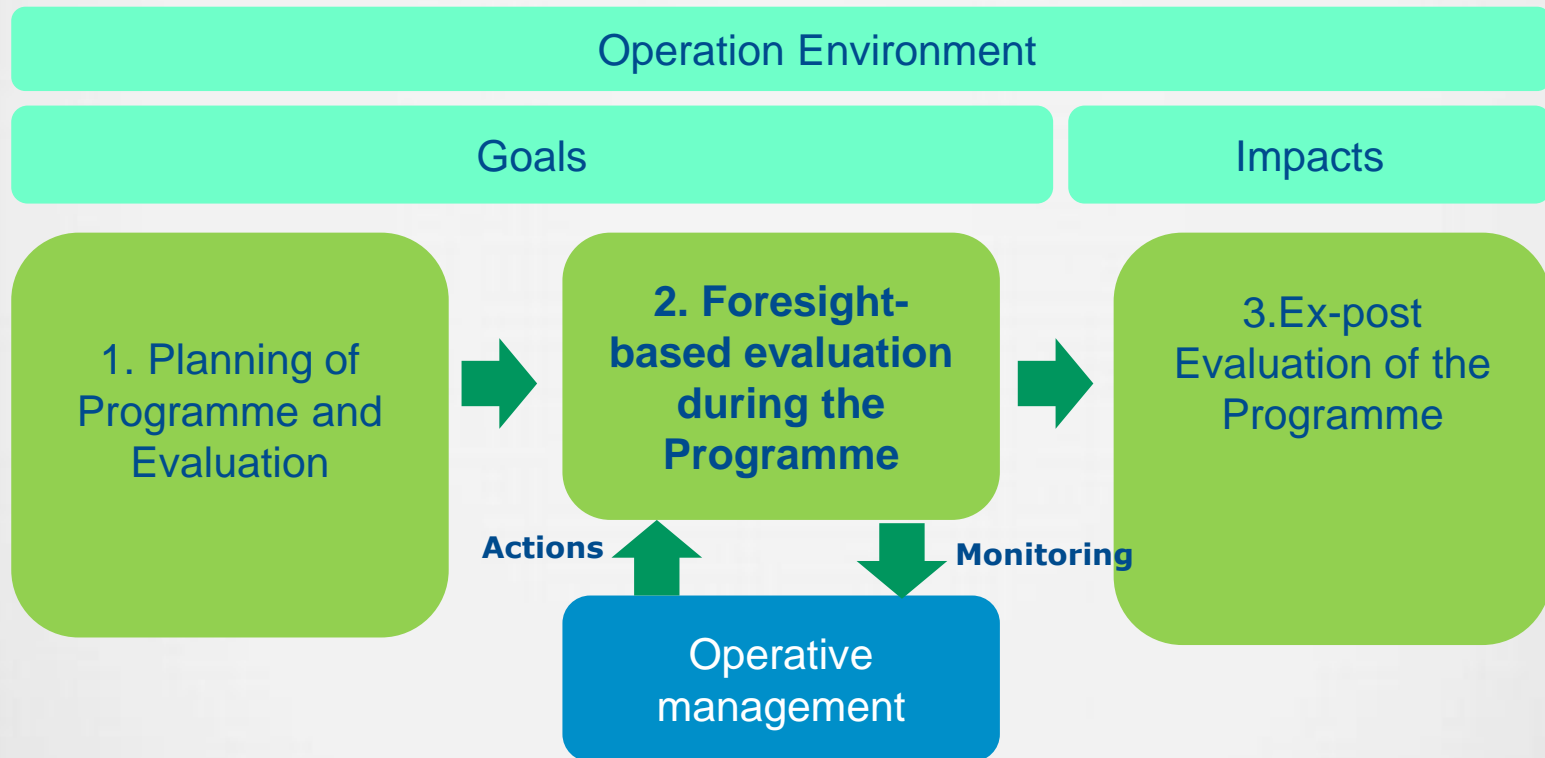
Impact
assessment
research

Thematic
Evaluations

Globally competitive
economy and society
Top level innovation
environment

Ex-post evaluation

Design of Programme Evaluations



Impact Model 2.0

Globally competitive business and industry

Top-level innovation environment

Impact on society

9. The impacts of Tekes funded innovation activity will eventually have a positive effect on the well-being of citizens and the environment.

Selecting and targeting instruments

2. The right customer and instrument is selected in Tekes funding process (development path)

Selecting the right instrument

Tekes funding
Tekes services
Team Finland
Other instruments

Selecting the right customer

Start-ups
Growth companies
Large companies and public organizations
Research organizations

1. Targeted funding is based on the initiatives of customers and to the chosen focus areas

Tekes' approaches and practices and focus areas

Outcomes and direct impacts

3. Tekes' funding and services increase customers' own R&D-activity

4. R&D inputs increase the know-how and networking of customers

5. Increased development activity contributes to the development of operating environment

Indirect impacts

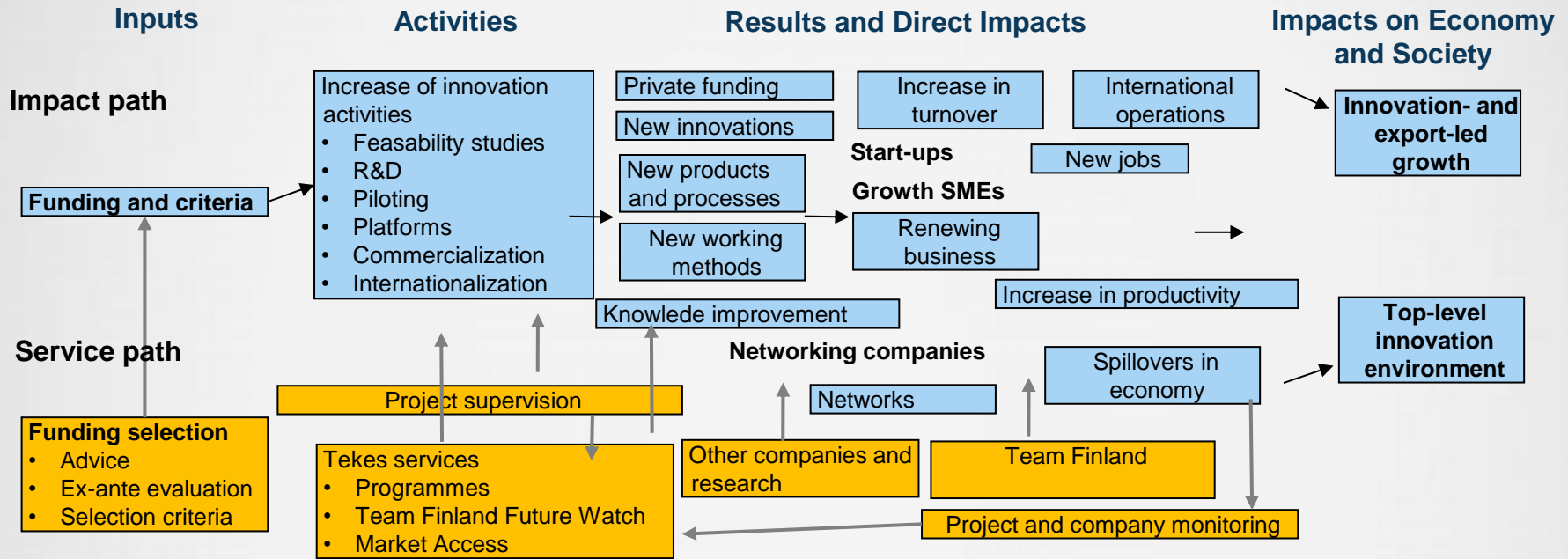
6. Improvement of know-how and the new operating methods contribute to the growth of turnover, improvement in productivity and employment growth of customer companies

7. The outcomes of Tekes' funding and expert services result in new competence and new innovations

8. Impacts are spread widely through networking and by innovative enterprises, increasing productivity and economic growth

Positive external impacts

Impact Model 3.0



Indicators

Input	Outcome	Output	Impact	Impact
<ul style="list-style-type: none"> Funding and target (segments, target areas etc.) 	<ul style="list-style-type: none"> Challenge and risk level of the project Company's own R&D-investments Innovation activity 	<ul style="list-style-type: none"> New working method innovations New products and services Patents New and improved co-operation forms and networks Direct economic impacts on liquidity, solidity and profitability in companies 	<ul style="list-style-type: none"> More solid working methods and processes Improvements in value nets and networks New business areas More effective and depth division of work More effective production Higher productivity Growth in international business 	<ul style="list-style-type: none"> Global growth and profitability Stronger national knowledge More effective adoption and application of knowledge

Impact Model 4.0 - Evaluation of Cleantech startups in YIC-programme

Globally competitive business and industry

Top-level innovation environment

Impact on society

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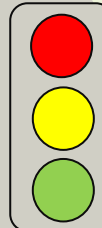
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Growth companies
Large companies and public organizations
Research organizations

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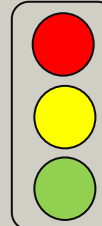
Tekes' approaches and practices and focus areas

Outcomes and direct impacts

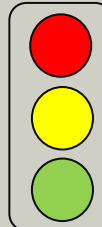
3. Tekes' funding and services increase customers' own R&D-activity



4. R&D inputs increase the know-how and networking of customers



5. Increased development activity contributes to the development of operating environment



Indirect impacts

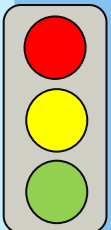
6. Improvement of know-how and the new operating methods contribute to the growth of turnover, improvement in productivity and employment growth of cleantech companies



7. The outcomes of Tekes' funding and expert services result in new competence and new innovations in the cleantech field



8. Impacts are spread widely through networking and by innovative enterprises, decreasing pollution and climate change and improving sustainable economic growth



Positive external impacts

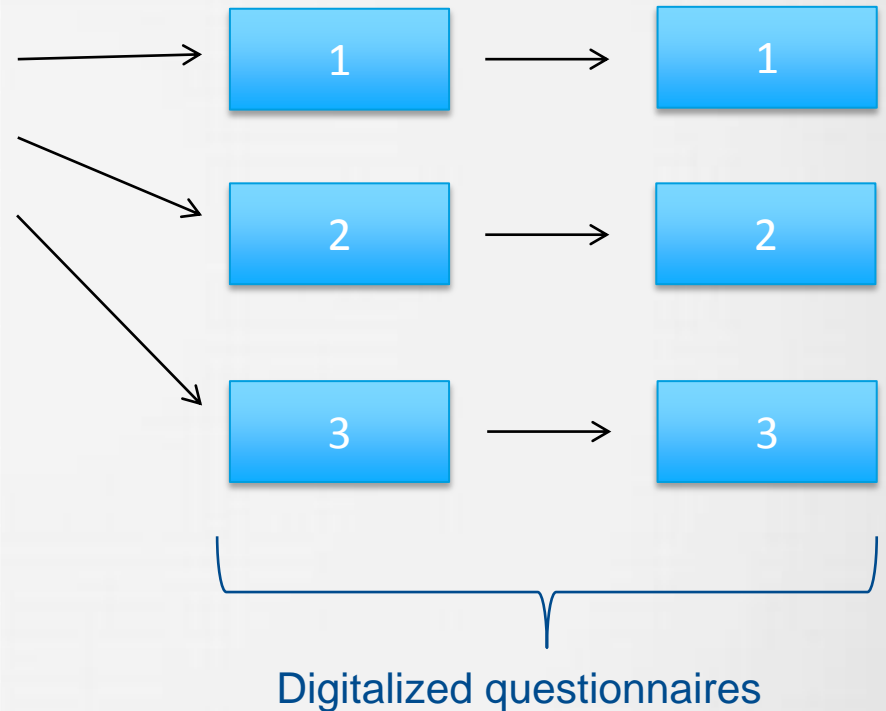
Module-planned Impact Assessment

Selection

		1	2	3
Company	Start-up	x		
	Growth SME		x	
	Networked			x
Instrument	YIC-funding	x		
	Product development		x	
	Research			x
Innovation sector	Bio economy			x
	Cleantech	x		
	Digitalization		x	
	Wellbeing			x

Online foresight-based impact analysis

Impact Assessment



Finnish wellbeing relies on the economic growth created by innovations

Innovation activity is a key driver of economic growth and enables the funding of welfare services in the long term.

Thank you!

Jari Hyvarinen
Tekes, Finland
Jari.hyvarinen@tekes.fi

