

# Knowledge Society Organizational Foresight

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- 1. DEFINING FORESIGHT**
- 2. LEARNING CICLES OF FORESIGHT**
- 3. ORGANIZATIONAL FORESIGHT**
- 4. FUTURE CORPORATE FORESIGHT**

# Foresight

Foresight means “care or provision for the future”.

Oxford English Dictionary

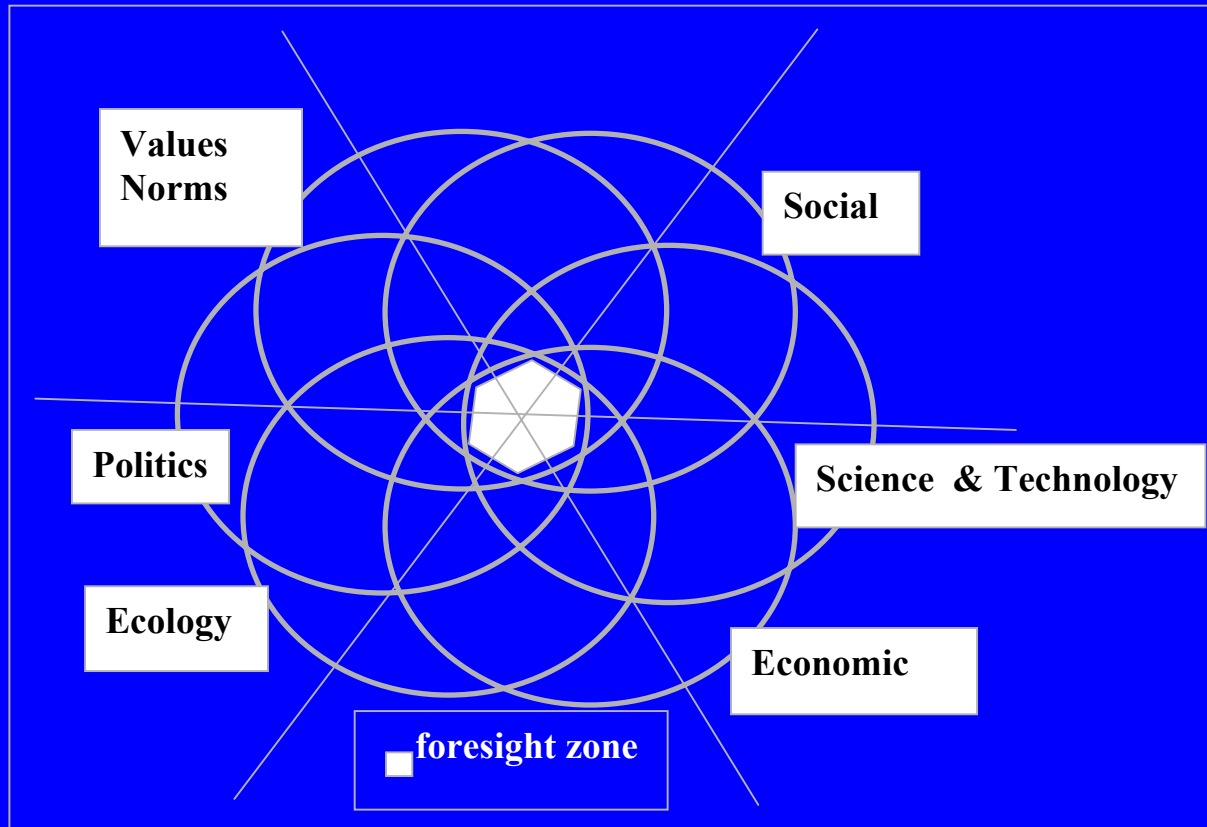
Foresight is a tool or set of tools used “to survey as systematically as possible what chances for development and what options for action are open at present, and then follow up analytically to determine to what alternative future outcomes the developments would lead.”

Martin and Irvine (1989)

Foresight is “a systematic, participatory, future intelligence-gathering and medium-to-long-term vision-building process”

Cassingena Harper (2005)

# Vann diagram



General objective of foresight is to anticipate future developments in science, technology, economy, politics and society.

*Source: Loveridge(2001)*

*Dan Grosu, 10.13.2005*

# Reasons for Foresight

Policymakers seeking to set priorities

... budgets, competition, networks ...

Companies trying to innovate

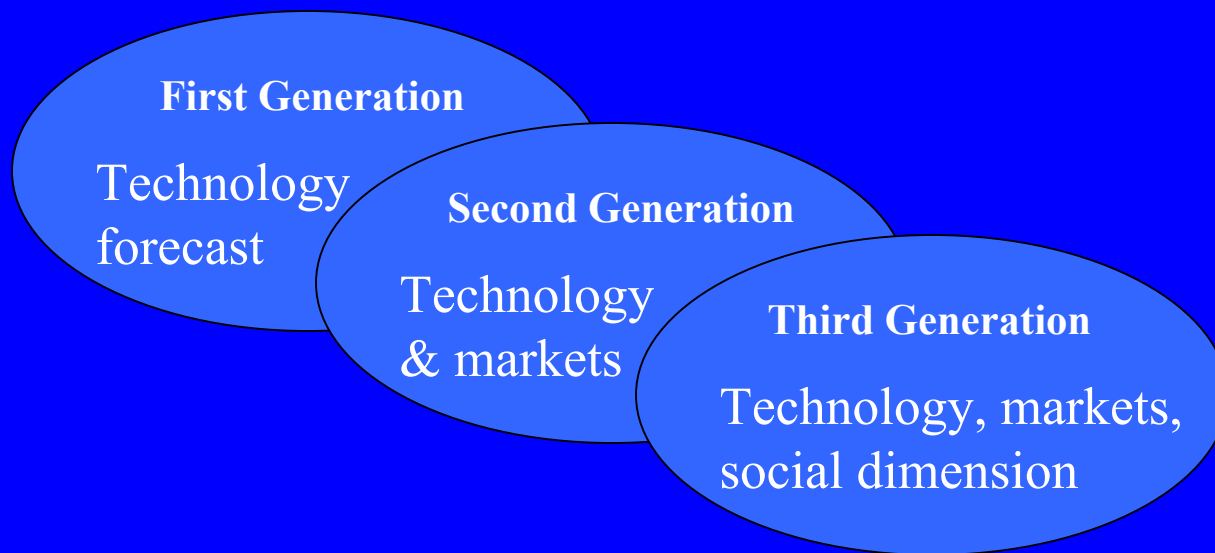
... customers, regulators, collaborators ...

Creating a shared strategic vision with  
reduced uncertainty

# Genealogy of National Foresight

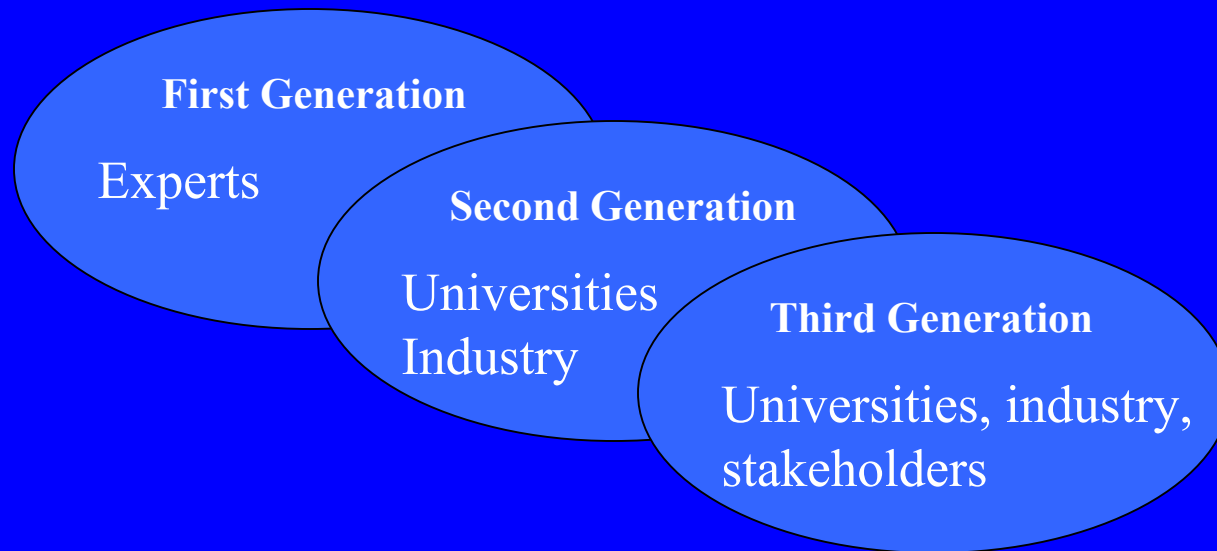
	<b>Delphi</b>	<b>Mixed</b>	<b>Panel / scenario</b>
<b>1970s</b>	30 years in Japan		
<b>1989</b>			Netherlands
<b>1990</b>	1 <sup>st</sup> German		
<b>1991</b>			Critical Technologies USA
<b>1992</b>			New Zealand
<b>1993</b>	South Korea		Germany
<b>1994</b>	France, Japan / Germany	1 <sup>st</sup> UK TF Programme	
<b>1995</b>	Japan – Germany Delphi		100 key technologies France
<b>1996</b>			Australia, Netherlands
<b>1997</b>		OPTI Spain	Ireland
<b>1998</b>	Austria	Hungary	South Africa, New Zealand, Sweden
<b>1999</b>			2 <sup>nd</sup> UK TF Programme, FUTUR Germany
<b>2000</b>			2 <sup>nd</sup> 100 key tech. France, Portugal, Italy
<b>2001</b>	7 <sup>th</sup> Japanese Delphi		Czech Rep., Malta, Cyprus, Estonia
<b>2002</b>		Turkey	Bulgaria, Romania, 3 <sup>rd</sup> UK TF Programme

# Generations of Foresight



*Source: Gheorgiou(2005)*

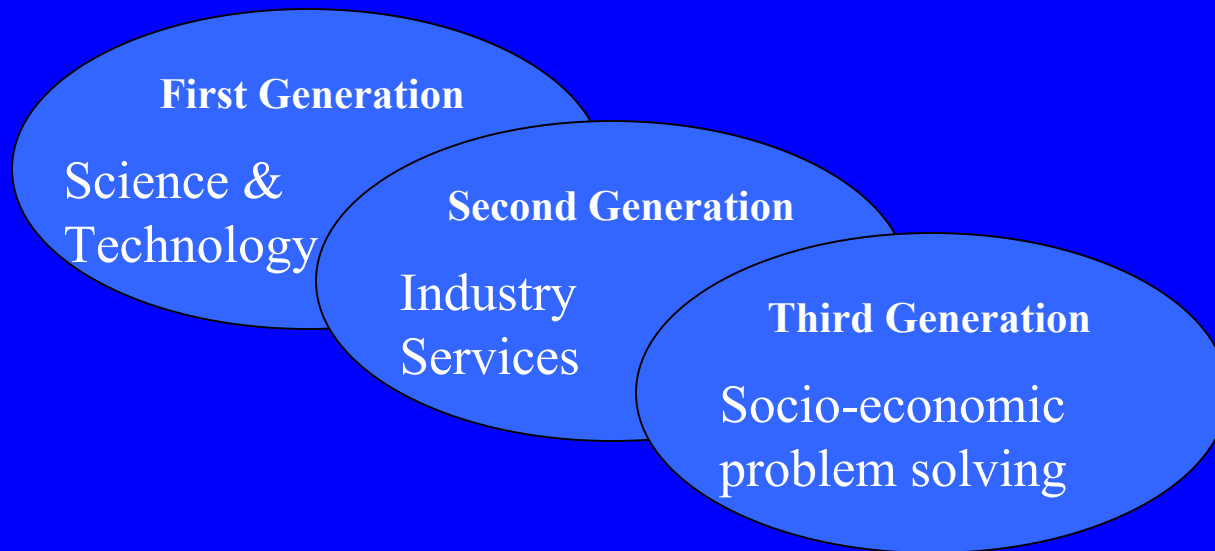
# Key actors



*Source: Gheorgiou(2005)*



# Programme structure




*Source: Gheorgiou(2005)*

# Important lesson!

- “Common space and joint ownership elements of foresight definition imply that foresight should not be in a linear relationship with implementation, but rather that foresight should move into the implementation space.”

Luke Gheorgiou (2005)

# Systemic approach to Foresight



The diagram illustrates the 'Infinite foresight loop' as a continuous cycle. A vertical label 'Infinite foresight loop' is positioned to the left of a table. A white arrow starts at the top of the table, points to the first row, and then curves around the left side of the table, ending at the bottom row, indicating a continuous loop of activities.

<b>Activities</b>	<b>Methods</b>
Identifying change	Time Series Analysis, Scanning, Structured Brainstorming Workshops, Delphi Survey
Impacts of change	Cross-impact analysis, Focus groups, Paradigms
Imagining alternative futures	Scenario Building, Scenario Analysis, Econometric models, Statistical Models, Stochastic Models
Visioning preferred futures	Future Workshops
Planning and implementing	Action Plan
Monitoring and evaluating	Evaluation Models

# Public vs. Private Foresight

	PUBLIC	PRIVATE
<b>General objective</b>	To describe future developments in science, technology, economy, politics and society.	
<b>Specific objectives</b>	ideas and visions for technology development and innovation related policy measures	opportunities and risks in markets, technologies, business environment strategic options
<b>Experts</b>	scientist and science managers industry, business public officials, civil society	strategic planning units R&D units think tanks
<b>Time-frame</b>	10-50 years	2-15 years
<b>Duration</b>	1-3 years	3 months – 1 year

# Corporate Foresight

**“The Collecting Post”** - firms with a low degree of foresight activities  
basic background information for the decision-making processes in strategic areas  
collecting future related information developed by others  
examples: Lufthansa, Procter & Gamble, Volvo.

**“The Observatory”** - autonomous foresight unit  
analysis of existing data, generate future-related knowledge for long-term strategic intelligence  
networks composed of specialists  
examples: Deutsche Bahn, IBM, Eni.

**“The Think Tank”** - group of full-time futurists, experts and researchers  
critical issues in the business environment, socio-economic sphere  
global networks of experts  
examples: Ericsson, British Telecom, BASF, Decathlon, EdF, DaimlerChrysler, Philips.

# Future Corporate Foresight

- Distributed model of foresight embedded at multiple levels within the innovation system
- Acquisition of corporate knowledge about the future relates more towards the ability to scan and network
- Main drivers are **self-organizing** and **bottom-up**, while multi-level governance provides starting points
- Digital foresight – development of personalized scenarios

Thank you!

