

Producing and Using Model-Assisted Policy Advice

Ahti Salo

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EN / RESPONSIBILITIES / SERVICES TO THE GOVERNMENT / WORK ON THE FUTURE / NATIONAL FORESIGHT COOPERATION / GOVERNMENT FORESIGHT GROUP

Government report on the future

Ministries' joint foresight activities

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National foresight cooperation

Government Foresight Group

National foresight network

Government Foresight Group

The Government Foresight Group lends support to national foresight work, joint foresight processes and the development of national foresight activities. Its key objective is to help foresight activities and foresight-based information forge a connection with decision-making processes. A Secretariat assigned to the Prime Minister's Office performs preparatory work and aids the Government Foresight Group's work.

The composition of the Government Foresight Group 2020–2023

Secretary Henrik Haapajärvi, Prime Minister's Office, chairman Chief Senior Specialist Jaana Tapanainen-Thiess, Prime Minister's Office, Secretary General Professor Toni Ahlqvist, Finland Futures Research Centre, University of Turku University Lecturer Jenni Airaksinen, Faculty of Management, Tampere university Committee Counsel Olli Hietanen, Committee for the Future, Parliament of Finland Academy Secretary Jaakko Kuosmanen, Finnish Academy of Science and Letters Development Director Petri Räsänen, Ministry of Economic Affairs and Employment Professor Ahti Salo, Aalto University

Head of EU Affairs Leena Sarvaranta, VTT Technical Research Centre of Finland Secretary General Vesa Valtonen, Secretariat of the Security Committee Director Katri Vataja, Sitra

Permanent expert: Kaisa Oksanen, Senior Adviser, Prime Minister's Office

On 8 April 2020, the Prime Minister's Office appointed a working group tasked with preparing a plan for Finland's way out of the COVID-19 crisis and deciding on measures to deal with its aftermath.

Government Communications Department ① 11.4.2020 11.11 | Published in English on 14.4.2020 at 17.43 PRESS RELEASE 242/2020



With regard to the first task of the mandate, the preparation group will report by 1 May on measures to limit the economic and social damage in the immediate crisis stage and on how to move away from the measures now decided in a timely manner.

With regard to the second task, the preparation group will report by 31 May on the post-crisis measures and how to prepare for their introduction in the various

sectors of society.

The preparation group consists of the Permanent Secretaries of the ministries, with Martti Hetemäki from the Ministry of Finance as Chair and Kirsi Varhila from the Ministry of Social Affairs and Health as Vice-Chair. The group is supported by a secretariat whose members are appointed by the ministries.

To support the preparation group, a scientific panel will be set up consisting of researchers/experts from different fields of expertise, such as social policy, education policy and economic policy as well as the environmental and climate sciences. The proposal for the experts to be invited to the panel will be prepared by representatives from the scientific community (Universities Finland UNIFI, the Consortium of State Research Institutions Tulanet and the Finnish Academy of Science and Letters). During its work, the preparation group will consult with representatives of the business community, municipalities, civil society organisations and environmental organisations on a broad basis.

Releases

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Newsletter

Good question podcast

COVID-19 study review

COVID-19 study review



The COVID-19 research review brings together the latest research results from the world and Finland related to the coronary crisis in a close and informative manner for the use of preparers and decision-makers.

The aim of the review is to strengthen the transmission of current research information to decision-makers and to create a perspective on the

latest research.

The research review is divided into eleven areas, from which about five significant new studies and research results are brought to the review:

1. COVID-19 infection,

- 2. Impact of restrictive measures on the spread of the epidemic,
- 3. The effects of the pandemic on the well-being of the population,
- 4. Economy and business,
- 5. Inequality,
- 6. Education and learning,
- 7. Technology and innovation,
- 8. Environment and sustainable development,
- 9. International relations, EU and security,
- 10. People and behavior as well
- 11. Resilience and anticipation.

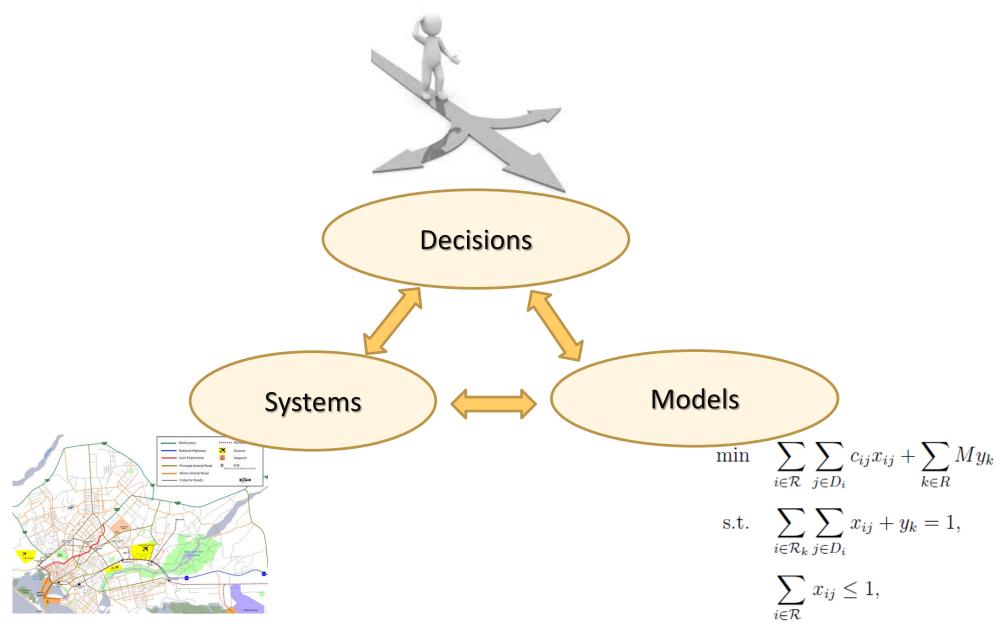
https://tietokayttoon.fi/covid-19-tutkimuskatsaukset



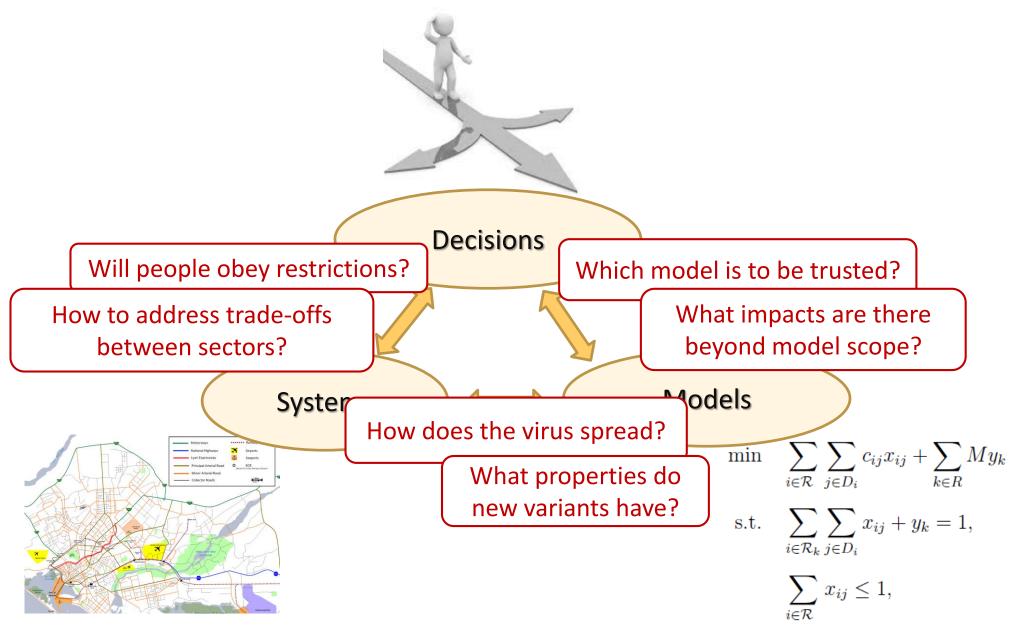
Observations after a year of pandemic

- There has been an unprecedented surge of advanced modelling activity
- Some studies have had immense policy impacts
- Yet good governance is crucial some countries with strong analytical capabilities have not fared well
- Every one is a decision maker \rightarrow behavioural uncertainties
- Results from other countries need to interpreted with care, not to be adopted as such

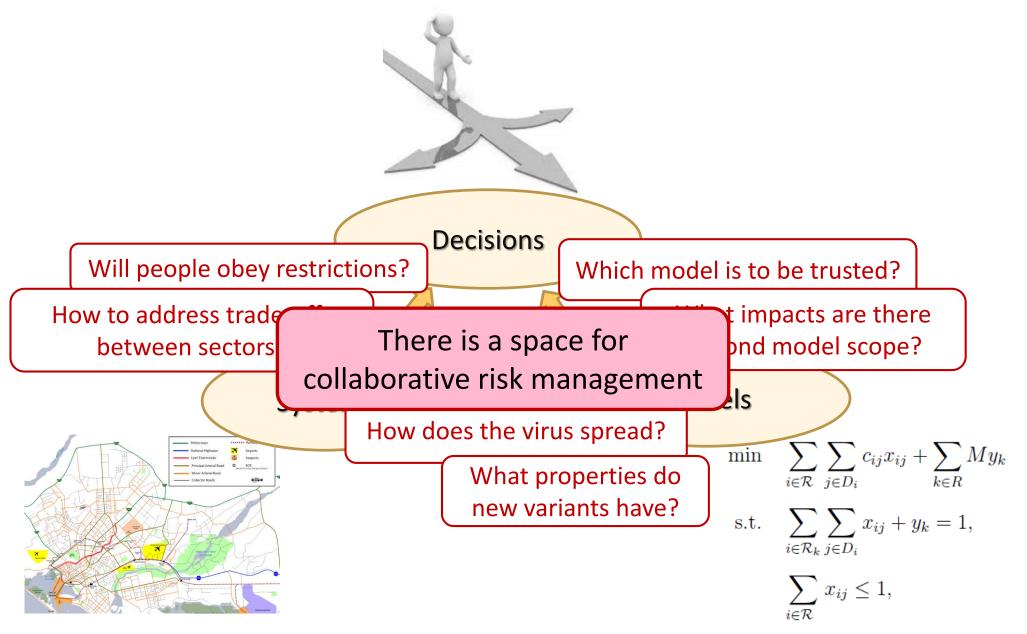
Pillars of systems and operations research



Challenges for model-assisted policy advice



Challenges for model-assisted policy advice



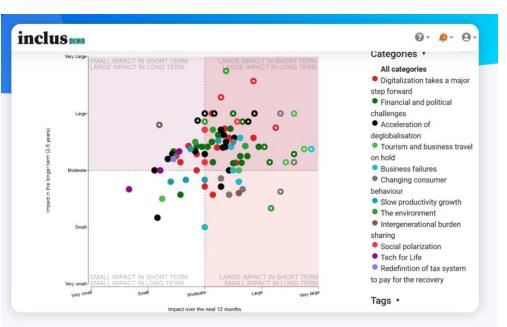
Identifying risks is one of the most challenging steps of risk management. Once you have collaboratively identified and assessed key risks, only then is it possible to effectively manage them and respond.

Inclus originated from complex and sensitive peace mediation processes conducted by Nobel Peace Prize laureate and President Martti Ahtisaari's Crisis Management Initiative (CMI).

Working across several countries and different actors, a reliable platform was needed to identify and analyze shared interests, threats, and uncertainties in order to move forward in the peace process.

https://www.inclus.fi/





https://aaltodoc.aalto.fi/handle/123456789/4803



Ville Brummer Programme Director

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PARTICIPATORY APPROACHES TO FORESIGHT AND PRIORITY-SETTING IN INNOVATION NETWORKS

Ville Brummer

Dissertation for the degree of Doctor of Science in Technology to be presented with due permission of the Faculty of Information and Natural Sciences for public examination and debate in Auditorium E at Aalto University School of Science and Technology (Espoo, Finland) on the 23rd of June, 2010, at 12 noon.



About FNA

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FNA's technology enables decision makers and business analysts to easily uncover hidden connections, access and understand complex networks and create dashboards & simulations.

Award-winning leader of RegTech and SupTech Analytics





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Careers

Kimmo Soramäki

Kimmo Soramäki is the Founder and CEO of Financial Network Analytics (FNA) and the founding Editor-in-Chief of the Journal of Network Theory in Finance. Kimmo started his career as an economist at the Bank of Finland wherein 1997, he developed the first simulation model for interbank payment systems. In 2004, while at the research department of the Federal Reserve Bank of New York, he was among the first to apply methods from network theory to improve our understanding of financial systems. During the financial crisis of 2007-2008, Kimmo advised several central banks, including the Bank of England and European Central Bank, in modeling interconnections and systemic risk. This work led him to found FNA in 2013 to solve important issues around financial risk and for exploring the complex financial networks that play a continually larger role in the world around us. Kimmo holds a Doctor of Science in Operations Research and a Master of Science in Economics (Finance), both from Aalto University in Helsinki.

EurekAlert! Maaas

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COVID-19

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NEWS RELEASES

See https://doi.org/10.1111/deci.12448

NEWS RELEASE 20-APR-2020

New decision model shapes strategies for dealing with public health emergencies

The timely results of a long-term project helps health experts with the allocation of healthcare resources

AALTO UNIVERSITY

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Decision scientists have developed models to help governments and policymakers allocate limited healthcare resources. The decision model developed by Aalto researchers accounts for differences between population segments and shows that segment-specific strategies for tests and treatments are crucial for attaining positive health outcomes, especially when there is limited capacity for treatments. 'When we were revising the paper just a few months ago, we never thought how soon the framework would become so relevant' says Professor Ahti Salo Director of the Systems Analysis Laboratory at Aalto University.

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More on this News Release

New decision model shapes strategies for dealing with public health emergencies AALTO UNIVERSITY

JOURNAL Decision Sciences



Reflections

- There is an ever-present need for methodogical advances
- There are exciting frontiers at the interfaces between
 ① decision and policy makers ② systems ③ models
- Yet people, too, need to remain part of the equation!
- Behavioural assumptions must be understood and accounted for in producing and using policy advice
- The adoption of novel methodologies calls for changing organizational practices and may take time