WORKSHOP

Digital health innovations

11-13 April 2018

The Hague and Eindhoven,
The Netherlands

WORKSHOP: DIGITAL HEALTH INNOVATIONS

Date: 11-13 April 2018

Location: The Hague and Eindhoven, The Netherlands

Workshop website: https://www.innovationpolicyplatform.org/digitalhealth

Introduction

'Inclusive digital technologies' can be defined as ICT applications with high impact on social wellbeing. When implemented in the health sector, these technologies can become an important driver of general wellbeing. Such digital health innovations can also bring opportunities for economic growth, given the size of the sector in most OECD countries.

The workshop 'Digital health innovations', which will take place in the Netherlands (The Hague and Eindhoven) on 12-13 April 2018, will bring together experts from the research and innovation policy, health policy and digital policy fields, in order to discuss about a topic that stands at the crossroads of these different policy areas. It will focus in particular on three topics:

- **Field labs in the Netherlands**. The Dutch Smart Industry Field Labs are a promising new addition to the toolbox of policy makers wishing to enable and support SMEs to develop ICT-related innovations. These test-facilities are of easy access for SMEs developing products and services in markets with high-speed innovation cycles, and have become an important complement to other more traditional research and innovation instruments.

- **Building the connectivity infrastructure (5G)**. Policy makers face important challenges in stimulating private investment to provide futureproof, secure and competitive connectivity, notably 5G-networks. Increasing use of health (and other) applications world-wide, create a need for international standards and a simple but effective regulatory framework, among others. The workshop aims at identifying those key challenges and exploring the range of possible policy responses.

- **Data sharing for health innovations**. The workshop will investigate challenges that policy makers face in stimulating the development and diffusion of smart health innovations and practices that rely on data-driven technologies. One of the topics of the discussion will be the need of international standards regarding the secure sharing of (patient) data to facilitate AI-diagnostic support.

Participation in the workshop is open to members of all OECD member states who are also members of the relevant OECD committees and working parties: the Health Committee (HEA), the Committee on Digital Economy Policy (CDEP), the Committee for Scientific and Technological Policy (CSTP), and the working parties on Innovation and Technology Policy (TIP), on Communication Infrastructures and Services Policy (CISP), and on Security and Privacy in the Digital Economy (SPDE).

This workshop is organised jointly by the Dutch Ministry of Economic Affairs and Climate Policy, the Dutch Ministry of Health, Welfare and Sport, and the OECD.

AGENDA

Wednesday, 11 April 2018

Maurithuis Museum, The Hague

Welcoming drinks and visit to Maurithuis Museum

16h30-18h30

- **Luuk Klomp**, Director of Knowledge and Innovation Department, Ministry of Economic Affairs and Climate Policy
- **Dominique Guellec**, Head of Division, Directorate for Science, Technology and Innovation, OECD: Innovation policies in the digital age
- Guided tour through the Maurithuis Museum

18h45-22h00: Dinner

Indonesian restaurant in Garuda, The Hague

Thursday, 12 April 2018

8h45 – 10h45: Bus ride to **Philips Medical Systems**, Veenpluis 6, Best

Meeting point: Ministry of Economic Affairs and Climate, Bezuidenhoutseweg 73, The Hague

10h45- 11h00: Welcome and coffee

- Welcome by **Jan-Willem Scheijgrond**: Philips Strategy & Digital Health Innovations

Tour through Philips Medical Systems

11h00 – 12h15

12h15– 12h45: Bus ride to **High Tech Campus, Eindhoven**

12h45 – 13h20: Lunch
13h20 – 13h30: Welcome by HTC management

Location: Einstein Auditorium, Conference Center The Strip, High Tech Campus 1b, Eindhoven (late arrivals, please park at HTC P0).

- Welcome by **Hilde de Vocht**, HTC Marketing and Communications Director

Panel session 1: Policies to support data sharing for digital health innovations

13h30-15h00

- In light of increased activity by large companies to provide health apps on smart phones using Big Data and AI (Economist, 3 Feb. 2018), is there a trade-off between easy exchange of patient data for better and cheaper diagnoses and cure provision vis-à -vis public values such as patient privacy and well-functioning markets for health insurance?

- How should government policies balance these issues?

- Does patient data require standardisation for ease of exchange and if so, does this require coordination by the government?

Keynote: **Remco Timmer**, Lead at Philips HealthWorks, Founder of MyHealthJourney, Netherlands

Chair: **Brian Huijts**, Senior Policy Advisor, ICT department, Ministry of Economic Affairs and Climate Policy, Netherlands

Presentations:

- **Luke Slawomirski**, Health Economist/Policy Analyst, Health Division, Directorate for Employment, Labour and Social Affairs, OECD

- **Ron Roozendaal**, Chief Information Officer, Ministry of Public Health, Netherlands

- **Myong Hwa Lee**, Head of Office of National R&D Research in Science and Technology Policy Institute (STEPI), South Korea

- **Barend Mons**, Scientific Director of GO FAIR and Professor at Leiden University Medical Center, Netherlands

- **Jerry Sheehan**, Deputy Director at National Library of Medicine - National Institutes of Health, USA (via web-connection)

Panel discussion

> 15h00 – 15h15: Short walk to **HOLST Centre, High Tech Campus 31, Eindhoven**
> (late arrivals, please park at HTC P0)

Panel session 2: Field Labs to support the digital health innovations eco-system

15h15-17h00

- What role can policies such as the Dutch Smart Industry Fieldlabs play in stimulating development of digital health innovations and uptake by businesses and cure/care providers?

- Should these new policies replace or combine with more generic instruments, such as grants and tax credits?

- Is the impact of policies like Fieldlabs, SME 4.0 Competence Centers (Germany) and Digital Catapult (UK) limited by geographical proximity, or is it more widely dispersed? Is the commercial value-added of digital health innovations realised in the same region as the Fieldlabs or transferred to other countries?

Keynote: **John Baekelmans,** Managing director at IMEC Netherlands, Vice-President of IMEC IoT and Connected Health Solutions Group

Chair: **David Legg**, Economics and Performance Team, Innovate UK

Presentations:

- **Caroline Paunov**, Senior Economist, Directorate for Science, Technology and Innovation, OECD

- **Andrew Chapman**, Digital Health Lead, Digital Catapult, UK

- **Tom van der Horst**, Business Director, Strategies for Industry and Innovation, TNO, Netherlands

- **Patrick Veenendaal**, 3D Medical Smart Industry Field lab, Netherlands

- **Jörg Castor**, Head of SME 4.0-Competence Centre Stuttgart, Fraunhofer IAO, Germany

- **Carmen van Vilsteren,** Director Strategic Area Health TU/e, Netherlands

Panel discussion

Demonstration of digital health innovations by HOLST/TNO/IMEC

17h00 – 18h00

- Introduction by **Jaap Lombaers**, Innovation Director of TNO/HOLST Center

> 18h00– 18h30: Bus ride to dinner location

> *18h30 - 21h00: Dinner*

Radio Royaal, Eindhoven

> 21h00– 22h30: Bus ride to The Hague

Friday, 13 April 2018

Ministry of Economic Affairs and Climate, The Hague

Registration and coffee

9h00 – 9h30

Opening address

9h30 – 10h00

- **Jos de Groot**, Director Telecom Market Department, Ministry of Economic Affairs and Climate Policy, Netherlands

Panel session 3: Policies to promote a digital infrastructure that supports digital health innovations

10h00 – 10h30

- How should digital infrastructure support digital health innovations? What are the connectivity needs of the healthcare sector, now and in the foreseeable future?

- How can government telecommunications policy support this?

- Can 5G be a catalyst for health innovations? What capabilities should 5G support and how should this be incorporated in international 5G standards? What technology push and market-pull policies are known or likely to result in 5G-supported health innovations?

Keynote: **Jeffrey Dygert**, Executive Director, Public Policy, AT&T

10h30 – 10h50: Coffee break

Panel session 3 (cont.)

10h50 – 12h00

Chair: **Wim Rullens**, Senior Policy Advisor, Telecom Market Department, Ministry of Economic Affairs and Climate Policy, Netherlands

Presentations:

- **Luke Slawomirski**, Health Economist/Policy Analyst, Health Division, Directorate for Employment, Labour and Social Affairs, OECD

- **Peter Rake**, Program Manager 5G at Economic Board Groningen, University of Groningen, Netherlands

- **Silvia Viceconte**, Head of Sector, Multilateral Affairs and Economic Cooperation, European Commission

- **Mirjam van Reisen**, Professor Computing for Society at University of Leiden, Netherlands

Panel discussion

12h00-13h00: Lunch

Final discussion and wrap up

13h00 – 14h00

Chair: **Sander Kes**, Senior Policy Advisor, Directorate for Innovation and Knowledge, Ministry of Economic Affairs and Climate Policy, Netherlands

Workshop website:
www.innovationpolicyplatform.org/digitalhealth

OECD Digital and Open Innovation project:
www.innovationpolicyplatform.org/TIPdigital

OECD Working Party on Innovation and Technology Policy:
www.innovationpolicyplatform.org/cstp/tip