



2010 - 2020
CELEBRATE
INNOVATION

The rise of contract tracing Apps

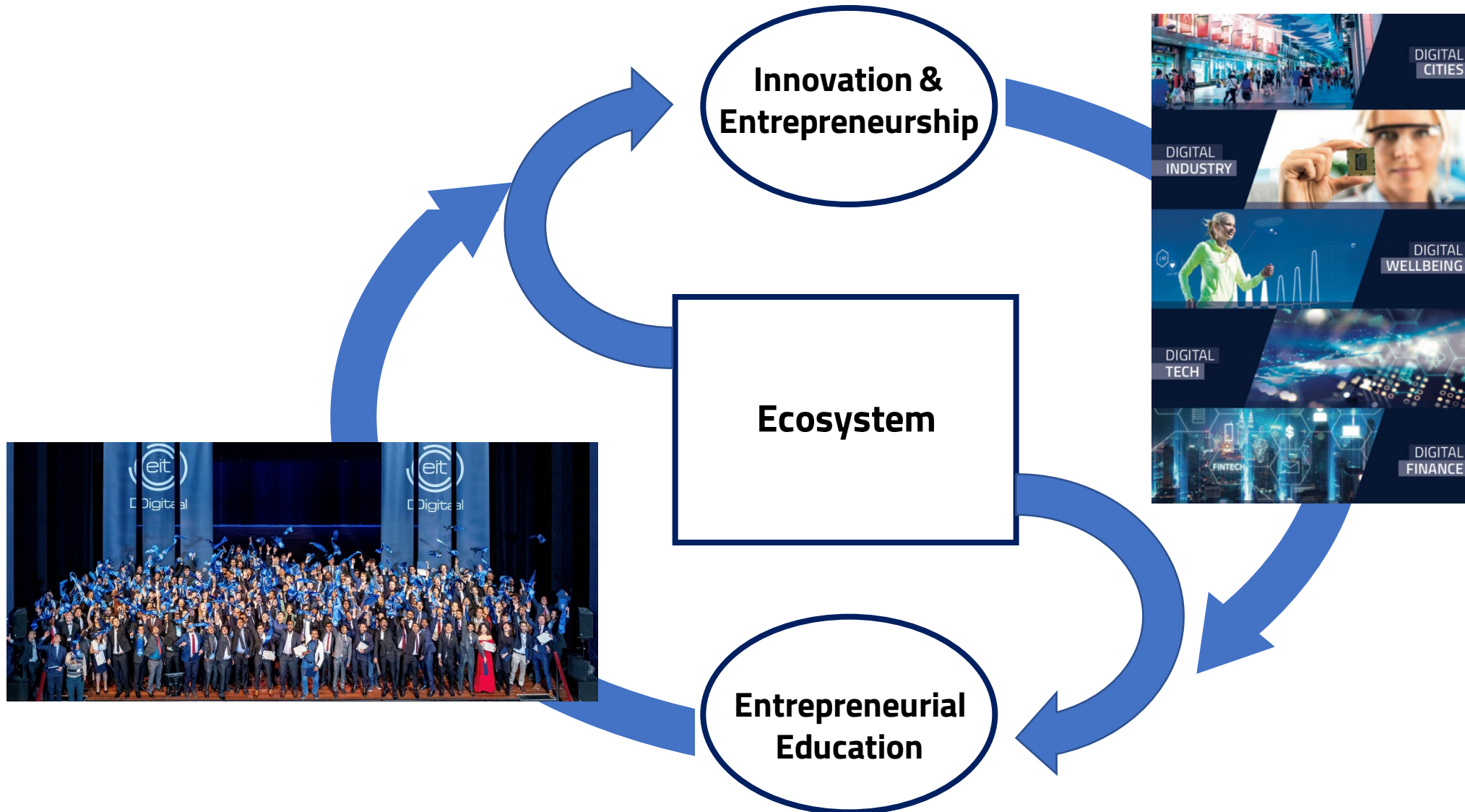
Prof. Dr. Willem Jonker
CEO EIT Digital

STOA roundtable, July 7, 2020



EIT Digital is supported by the EIT,
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EIT DIGITAL – for a strong digital Europe



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policy reports / makers & shapers



WATCH THE VIDEOS OF 20 TOP MAKERS AND SHAPERS IN OUR JOURNEY THROUGH DIGITAL EUROPE

AI	Wellbeing	Industry	Cybersecurity	Finance	Cities
Artificial Intelligence	Digital Wellbeing	Digital Industry	Cybersecurity	Digital Finance	Digital Cities
Eva Kaili European Parliament	Anne Buscher EC DG SANTE	Roland Busch Siemens	Risto Siilasmaa F-Secure	Joukim Sjöblom Minna Technologies	Lucas Le Bell CerBair
Jean-François Gagné Element AI	Frans van Houten Philips	Andreas Kunze KONUX	Damiano Bolzoni Security Matters	Wim Mijs EDF	Jean-Eric Paquet EC DG RTD
Christophe Bourguignat Zevo	Joni Kettunen Firstbeat	Cristian-Silvia Bugoi European Parliament	Roberto Viola EC DG CNECT	Alain Godard EIF	Karoline Beronius Addressya
	Emmy Hendriks SABA			Ignacio Madridijos Ferrovial	

The importance of a strong digital Europe is widely acknowledged and best achieved by makers (industry) and shapers (authorities) working together to create a sovereign European digital reality with products, services and regulation that serve citizens, respect European values, drive innovation and provide equal opportunity for everyone.

As part of our 10th anniversary, the Makers and Shapers journey features thought leading conversations with captains of industry and high-profile startup executives (the Makers) as well as policymakers from EU Institutions and Authorities (the Shapers). They share their vision on key areas of digital innovation and the way forward to a strong digital Europe.

Makers and Shapers shall inspire entrepreneurs, and engage innovators, investors and policy makers in Europe's effort to be a major player in digital innovation. Our video journey is a testimony for the need to overcome fragmentation in Europe. It is a manifestation of the strength of collaboration, gives a sense of belonging to a pan-European innovation ecosystem and strengthens confidence in a strong digital Europe.



CONTACT TRACING APPS

KEY CHALLENGES

- TECHNICAL
 - Provide a secure technical solution
- ETHICAL / SOCIETAL
 - Acceptance especially when it comes to privacy
- LEGAL
 - Regulation of data usage and access
- POLITICAL
 - Rights and roles of government, citizens, and tech firms



Thierry Breton  @ThierryBret... · 12h ▾

I just had a good exchange with #Apple CEO @tim_cook on the need to ensure that contact tracing apps are fully:

- ✓ anonymised
- ✓ voluntary
- ✓ transparent
- ✓ temporary
- ✓ secured

and interoperable across operating systems and borders.

#Deconfinement apps must respect our #privacy.



Tim Cook

PHONE BASED CONTACT TRACING APPS

KEY ISSUES



- TECHNICAL
 - Difficult to guarantee security in complex mobile phone SW/HW setting
- ETHICAL / SOCIETAL
 - Privacy and anonymity difficult to assure with mobile phone
- LEGAL
 - Hard to achieve in current tech landscape
- POLITICAL
 - European sovereignty

Apple is locked in a power battle with the UK, France, and Germany about how COVID-19 should be tracked

Shona Ghosh
25 Apr 2020



- There's a power battle between the UK, Germany, and France on one side and Apple and Google on the other about coronavirus contact-tracing.
- Like other countries, the UK, Germany, and France are creating apps that will track people who report COVID-19 symptoms or test positive and then alert those they have had contact with.
- The fight centers on how much data these apps gather up and where that information is stored, with Apple and Google pushing for a more privacy-friendly approach.
- If France, Germany, and the UK try and roll out their apps in defiance of Apple and Google, there's a good chance they won't work properly, particularly on iPhones.
- Visit [Business Insider's homepage](#) for more stories.

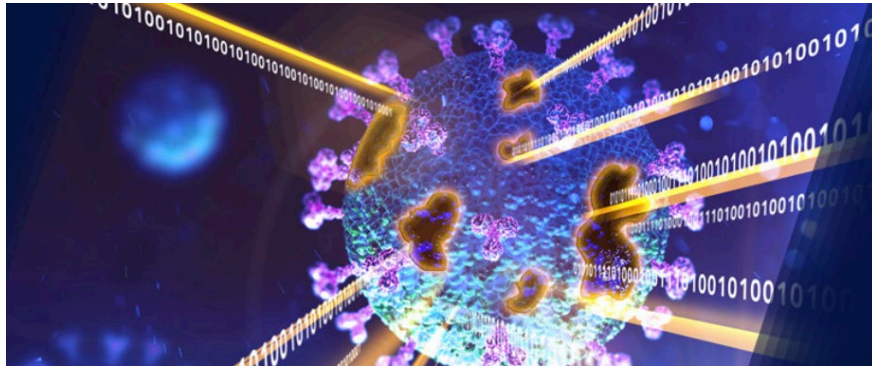


Foto: Getty Apple CEO Tim Cook and French president Emmanuel Macron

The UK, France, and Germany are locked in a power battle with Apple and Google over the way COVID-19 should be tracked via apps.

TOKENS

DATA against COVID-19



- SIMPLE USE

- MORE ACCURATE

- SECURE



- PRIVATE – NO PERSONAL DATA

- EUROPEAN SOLUTION

Les Echos

En direct Le Journal

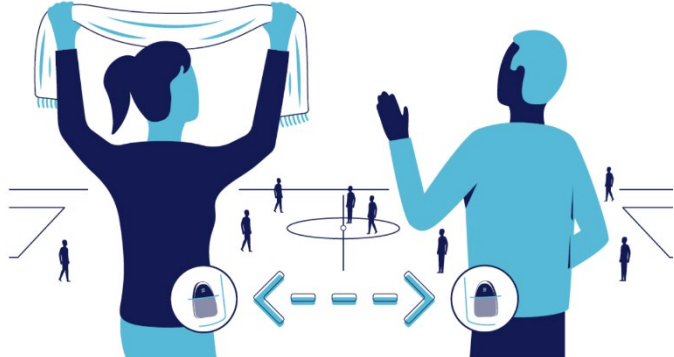
Le chemin de croix de l'appli StopCovid

Ce devait être l'une des clés du déconfinement. Mais entre problèmes technologiques, luttes internes et divergences entre pays, l'application StopCovid est devenue un cauchemar pour ses initiateurs et un boulet politique pour l'exécutif.

Mais elle inquiète aussi les défenseurs des libertés publiques et les Français. « L'intérêt européen pour les apps s'est éveillé dès février, confirme Willem Jonker, le patron d'EIT Digital, l'Institut européen d'innovation et de technologie, qui conseille la Commission européenne. Mais, bien sûr, l'Europe n'est pas l'Asie. Et le principal défi en Europe, c'est l'acceptation par le grand public. Pour cela, deux choses sont très importantes : le respect de la vie privée et la facilité d'utilisation. »

FOUR PILOTS

DATA against COVID-19



<https://www.eitdigital.eu/newsroom/news/article/join-efforts-to-develop-covid-19-contact-tracing-using-physical-tokens/>



THANK YOU

THE BUILDERS OF A STRONG DIGITAL EUROPE