

Franco-British Workshop

Digital Government: Next steps & potential futures

26th May 2016

The Residence of France
London

SCIENCE & TECHNOLOGY DEPARTMENT
FRENCH EMBASSY



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INTRODUCTION

Background

Open Government, E-Administration, Digital Democracy, Civic Tech...

The wide range of terms coined these past few years to talk about the various aspects of our public institutions' digital transformation points to the remarkable opportunities available to governments thanks to modern technology.

From the creation of the World Wide Web in 1989 by Sir Tim Berners-Lee to the launch of social media in the 2000s, through to the era of mobile devices and applications that we are experiencing today, our governments have been considering how best to make use of digital tools: renewing public services, improving internal organisation, diversifying communication, better understanding society and engaging with various communities are but a few examples.

The United Kingdom and France are two of the most innovative countries in this field. The [Open Data Barometer 2016](#) awards their commitment in transparency and open data by ranking the UK first and France third. What's more, this year, France will chair the [Open Government Partnership](#) which brings together 69 countries committed to this purpose.

A lot of thought is also being put into the complex matter of public services. New concepts are growing in the UK and France such as 'government as a platform', 'digital by default' or 'once only' principle, that is, enter once and for all your personal details for all public services. Those aspects are currently being closely monitored by the European Commission, which last month issued an ['eGovernment Action Plan'](#) for 2016-2020.

But beyond looking for well-established technology applications, our governments are keen on keeping abreast of the latest innovations. UK Government Chief Scientific Advisor Sir Mark Walport's [recent report on distributed ledger technology](#), which points out how blockchain can be valuable to the British government in many ways, is an interesting example of this trend.

At the same time, many citizens are looking for new opportunities to participate in democratic life, showing the willingness of civil society to get involved in the big political issues of the day. Organisations, associations and think tanks bring together a diversity of dedicated individuals who are working to share their own views and propositions on government evolution.

Many questions are being raised by the deep transformations undertaken such as data privacy, accessibility, digital inclusion, security, and many more. Finding the right balance between the will to embrace those opportunities, the need to take care of all contingencies and the obligation to respect high quality requirements is one of the main challenges faced today.

The question now is: between hot trends and long-term processes, what may be the decisive next steps for digital government and what possible futures can we envision?

The Science & Technology Department from the French Embassy in the UK, working in collaboration with Nesta and French Centre for Research & Interdisciplinarity, is delighted to organise a one-day meeting allowing key stakeholders from our two countries to explore these questions.

INTRODUCTION

Format

The event will be introduced by keynote speeches delivered by high level representatives from France and the UK. This will be followed by a series of three workshops during which the audience will be split into three discussion groups. Each group will be moderated by a facilitator. The two first workshops will aim at defining current opportunities and next steps for the digital transformation of our institutions. The third one will aim at reflecting on what would be the results in 20 years.

Objectives

- Taking part in an in-depth reflection and prospective exercise on the future of digital government, with a perspective on British and French institutions.
- Networking with high level stakeholders from a wide diversity of backgrounds, involved in the reflections and transformation of government and public services.

Organisation

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Dr Vincent Danos, Director of Research
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TIMETABLE

9:00 *Registration and Welcome Coffee*

9:30 **Welcome Address & Opening Remarks**
M. Cyrille Van Effenterre, Counsellor for Science and Technology, French Embassy in the UK
M. Eddie Copeland, Director of Government Innovation, Nesta
Dr Vincent Danos, Director of Research, CRI/CNRS

Opening keynotes

9:45 **Sir Mark Walport, Government Chief Scientific Adviser, GO Science**
"Blockchain for Government and public services"

10:05 **Charly Berthet & Camille Hartmann, Rapporteurs, French Digital Council**
"Building a Digital Democracy in the Contributive Society: Focus on French Digital Consultations"

10:25 **Oliver Buckley, Deputy Director Policy & International, Government Digital Service**
"UK Government Data Programme: The Next Steps for Government Data"

10:45 **Laure Lucchesi, Director, Etalab**
"Open x Data : levers to drive government transformation"

11:05 *Coffee Break*

Workshop 1: What's the Future of Democracy? Immediate Opportunities & Next Steps

11:30 **Introduction**

11:35 **Group Discussions**

12:35 **Wrap Up**

12:45 *Lunch*

Workshop 2: What's the Future of Public Services? Immediate Opportunities & Next Steps

13:45 **Introduction**

13:50 **Group Discussions**

14:50 **Wrap Up**

15:00 *Coffee Break*

Workshop 3: What Will our Democracy and Public Services Look Like in 20 Years?

15:30 **Introduction**

15:35 **Group Discussions**

16:35 **Wrap Up**

16:45 **General Conclusion & Closing Remarks**

17:00 **Guests Depart**

WORKSHOP 1: What's the Future of Democracy?

In the past two decades, the world wide web moved from a static collection of webpages to an amazing place of exchanges, debates and sharing of information, opinions and data – dubbed ‘web 2.0’ by Tim O’Reilly in 2004. From this revolution of the internet to the explosion of mobile devices (not to mention the ongoing rise of the Internet of Things), we are now living in a world where digital technologies have become part of many citizens’ everyday life, a world where it has never been easier to access information, communicate and discuss with one another on websites, forums, social media or applications.

In some aspects, we may thus think of the web as a new form of public political space. And if democracy is still practiced according to long experienced vertical logics, such technologies are now opening a wide range of opportunities to rethink the core of our political systems, based on the interaction between citizens and their representatives.

This new paradigm is addressing a tremendous challenge to traditional institutions, be it those of the British parliamentary monarchy or French republic. Both our countries are tackling this situation through a wide range of projects and initiatives aiming at reshaping their links with citizens, from the opening of public data to the organization of hackathons, and via innovative experiences such as the public consultation organized by French minister for digital affairs Axelle Lemaire to discuss her Digital Republic draft bill last autumn.

However, civil society moves fast, and asks for more transparency, participation and collaboration with its political representatives. New ways of experiencing democratic life are being tested thanks to digital tools. We may think here of the D-Cent project managed by Nesta, which aims at delivering a digital decentralized platform to enable collaboration and decision making.

In such a fertile and fast-moving environment, how do you envision immediate opportunities and next steps for the future of our democracy?

- ***What are the big opportunities for technology to improve the way citizens interact with government and politicians? In which domains should/could it have the greatest impact: budgeting, policy formulation, legislative approval, etc.?***
- ***How can government best seek to crowdsource information / data / ideas from citizens? In what domains would this be effective?***
- ***Should one enable other ways of delegation through digital technologies?***

WORKSHOP 2: What's the Future of Public Services?

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Since the economic crisis of 2008, governments and public sector bodies around the world have faced a perfect storm of tightened budgets and spiraling demand for their services. The result has often been huge funding gaps. Local government in England alone faces a £12.4bn financial shortfall by 2020, and that is after all expected efficiencies have already been accounted for.

Digital government - making smarter use of technology and data to deliver more and better with less - has been suggested as one solution to this problem. Inspired by the digital innovations of leading companies from Facebook to Google, policymakers hope that by moving transactions online, replacing legacy IT systems with cloud-based services based on common standards, and releasing more open data, governments can significantly reduce the costs of delivering services. Such measures are just the first step, and the public sector still tends to lag far behind best practice in the private sector in their use of digital. In particular, few digital government initiatives to date have challenged the fundamental, top-down approach to government services, but rather digitise old ways of working.

Besides, the development of new digitised forms of public services is creating sensitive challenges in terms of data privacy, security, and trustworthiness which governments have to tackle carefully.

So what would true transformation look like?

As Web 2.0 created new possibilities for organisations in the early 21st Century, many believe that the Internet of Things and blockchain herald the next technological revolutions.

- ***Can those - or other cutting edge - technologies really help transform government? If so, what would such a government look like?***
- ***Can/should governments learn from the new wave of digitally-enabled business models pioneered by the likes of eBay, Amazon and Uber, or are those ways of working out of reach of the public sector?***
- ***What should be the end goal of digital government? Saving money, efficiency, simplification, or another ultimate goal?***

WORKSHOP 3: What Will our Democracy and Public Services Look Like in 20 Years?

There are new forces set loose in the world:

- new technological forces (high-frequency finance, human-level artificial intelligence, autonomous robotics, blockchain, ubiquitous computing, etc.),
- new natural ones (biodiversity down, climate change, energy and resource peaks),
- new informational ones (ubiquitous information, WikiLeaks, Panama papers...),
- new social ones (social networks, citizen science, open collectives, open source, open data).

Users of "system earth" are coming up against a transition common to any civilisational development - a world of high complexity/low carrying capacity.

Based on the first two workshops' discussions, where are we users going to be in 20 years? What is the role of the state in this transition?

- ***Can new forms of governance and citizenship be built on the new technological degrees of freedom?***

The combination of increased transparency, speed, scarcity, and complexity (perceived and actual), builds up some heavy cognitive pressure points on individuals.

- ***Should and will there be a public service for helping citizens in building strong collective representations and foster participation?***
- ***How algorithmic can governance be?***

LIST OF PARTICIPANTS

<i>Organisation</i>	<i>Name</i>	<i>Position</i>
Government Office for Science	Sir Mark Walport	Government Chief Scientific Adviser
Government Digital Service	Oliver Buckley	Deputy Director Policy & International
Etalab	Laure Lucchesi	Director
French Digital Council	Charly Berthet	Rapporteur
French Digital Council	Camille Hartmann	Rapporteur
European Commission	Gilles Babinet	Digital Champion
Nesta	Eddie Copeland	Director of Government Innovation
Centre for Research and Interdisciplinarity	Vincent Danos	Research supervisor
University of Southampton	Tim Davies	PhD candidate / Open Data
University of Cambridge	Zeynep Engin	Researcher
Cellabz	Clément Epié	Co-Director
Government Office for Science	Martin Glasspool	Team Leader
University of Surrey	Phil Godsiff	Senior Research Fellow
Telecom ParisTech	Samuel Goeta	Researcher / Open Data
Démocratie Ouverte	Ronan Gombau	Project Officer
Alan Turing Institute/Oxford Internet Institute	Scott Hale	Data Scientist
Imodev	Jean Harivel	Advisor to the President of Imodev
University of Edinburgh	Aggelos Kiayias	Chair of Cybersecurity & Privacy
University Paris 13	Sarah Labelle	Research supervisor
Imperial College London	Robert Learney	Associate Director of the Centre for Cryptocurrency Research and Engineering
Cellabz	Nicolas Loubet	Co-Director
Queen Mary's University London	Pasquale Malacaria	Professor of Computer Science
Nesta	Geoff Mulgan	Chief Executive
Digital Catapult	Jessica Rushworth	Director Government Engagement and Policy
Centre for Research and Interdisciplinarity	François Taddei	Director
La Myne	Rieul Techer	Entrepreneur

PARTICIPANTS PROFILES

Sir Mark Walport FRS FMedSci

Government Chief Scientific Adviser
Government Office for Science



Sir Mark is the Chief Scientific Adviser to HM Government and Head of the Government Office for Science.

Previously, Sir Mark was Director of the Wellcome Trust, which is a global charitable foundation dedicated to achieving extraordinary improvements in human and animal health by supporting the brightest minds. Before joining the Trust he was Professor of Medicine and Head of the Division of Medicine at Imperial College London. He is Co-Chair of the Prime Minister's Council for Science and Technology and has been a member of this since 2004. He has also been a member of the India UK CEO Forum, the UK India Round Table and the advisory board of Infrastructure UK and a non-executive member of the *Office for Strategic Coordination of Health Research*. He is a member of a number of international advisory bodies. He has undertaken independent reviews for the UK Government on the use and sharing of personal information in the public and private sectors: *'Data Sharing Review'* (2009); and secondary education: *'Science and Mathematics: Secondary Education for the 21st Century'* (2010). He received a knighthood in the 2009 New Year Honours List for services to medical research and was elected as Fellow of The Royal Society in 2011.

Laure Lucchesi

Director of Etalab
Prime Minister Office



Laure Lucchesi is the Director of Etalab, the French Prime Minister's task force for open government, open data and data-driven transformation.

Acting as a start-up, Etalab is placed within the Secretariate-General for State Modernization, where it leads radically innovative projects to put digital practices and tools at the heart of public administration, and to usher public services into the age of open and data-driven strategies. It operates the platform data.gouv.fr and animates the ecosystem to stimulate data reuse. Leading the team of the State Chief Data Officer, Etalab leverages data science and analytics to improve public policies and disseminate the culture of data within government. It also coordinates France's action within the Open Government Partnership, an international initiative gathering 70 countries, that France will chair in 2016.

Laure has 15 years of experience on digital transformation, disruption and innovation, for both the public and private sectors, in France, the US, in the Middle East, Africa and India. She spent two years as Trade Attaché at the Economic Department of the French Embassy in San Francisco. She holds a Master in Business Administration from HEC in Paris and has studied Psychology at Paris 8 University.

Oliver Buckley

Deputy Director Policy &
International
Digital Government Service
Cabinet Office



Ollie Buckley is Deputy Director for Policy and International in the Data Group of the Government Digital Service, which is part of the UK Cabinet Office. He is responsible for the governance of the data programme, and developing new policy in priority areas, including an ethical framework for data science and open data policy.

Ollie also leads the UK government's engagement with the Open Government Partnership. Ollie joined government in the Prime Minister's Strategy Unit in 2010 from a strategy consulting firm, having worked with large multinationals and governments around the world.

He holds a degree in Philosophy, Politics and Economics from the University of Oxford.

Charly Berthet

Rapporteur
French Digital Council



Charly Berthet works as a rapporteur at the French Digital Council, a public advisory commission whose role is to issue independent opinions and recommendations to the government on the impact of digital technologies on economy and society. He specialised on the issues of online platforms, data protection, net neutrality, cybersecurity and national intelligence policy with regards to fundamental rights.

Charly Berthet holds a Master's degree in digital law, a Master's degree in digital economy and was admitted to the Paris Bar.

PARTICIPANTS PROFILES

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Participants

Camille Hartmann
Rapporteur
French Digital Council



Camille Hartmann joined the French Digital Council in 2014 to work on topics related to open government best practices, education, e-health, and digital inclusion. She previously worked at the Municipality of Paris and at Vae Solis Corporate, a public relations agency. She has a Master degree in Public Affairs from Sciences Po.

Gilles Babinet
Digital Champion to the
European Commission



Gilles Babinet is a French multi-entrepreneur, born in 1967 in Paris. Since 1989, he created 9 companies in various areas of activity, such as mobile music (Musiwave), co-creation (Eyeka) or Big Data marketing (CaptainDash). He was appointed Digital Champion in 2012 by Fleur Pellerin, French minister of digital technologies, and works with Neelie Kroes, European Commissioner in charge of digital technologies. This function is the right follow up of his former position as president of the French National Digital Council (CNN). Gilles Babinet published his first book in January 2014, "l'Ère numérique, un nouvel âge de l'humanité", where he discusses the impact of new technologies on our societies, our lives and our institutions. Throughout his book, he identifies five areas such as Education, Healthcare, the State, Knowledge and Production, that are deeply challenged in the context of the ongoing digital revolution. His new book, "Big Data : penser l'homme et le monde autrement", came out in February 2015 and deals with economic and social issues linked to the eruption of the data.

Eddie Copeland
Director of Government
Innovation
Nesta



Eddie Copeland is an advocate of government and public sector organisations making smarter use of technology and data to deliver more and better with less. He is currently an Innovation Lab Director at Nesta, responsible for their work on data, behavioural insights, local government reform, the collaborative economy and digital democracy. Previously he was Head of Technology Policy at Policy Exchange, one of the UK's leading think tanks. He has worked across a number of sectors, including as Parliamentary Researcher to Sir Alan Haselhurst, MP; Congressional intern to Congressman Tom Petri and the Office of the Parliamentarians; Project Manager of global IT infrastructure projects at Accenture and Shell; Development Director of The Perse School, Cambridge; and founder of web start-up, Orier Digital.

Dr Vincent Danos
Research supervisor
CNRS/ENS/CRI



Vincent Danos is 'Directeur de Recherche' CNRS at ENS, was Director of the Edinburgh Centre for synthetic and systems biology, external faculty of the Santa Fe Institute, visiting professor at Harvard University, and is specialising in models of complex systems mostly of biological nature.

PARTICIPANTS PROFILES

Tim Davies

Web Science PhD Candidate
University of Southampton



Tim Davies is a Web Science PhD candidate at the University of Southampton, researching the civic potential of open government data, and an affiliate of the Harvard Berkman Centre for Internet and Society.

He is co-founder of Open Data Services Co-operative, working on the use of open data standards in open government and is a co-director of Practical Participation, an active participant in the Open Government Partnership process.

Dr Zeynep Engin

Founder
Data for Policy
Researcher
University of Cambridge



Zeynep is the Founder and Lead Investigator of Data for Policy (dataforpolicy.org), an independent initiative to promote interdisciplinary and cross-sectoral discussion for more efficient use of data in policy making processes. The inaugural conference was held at the University of Cambridge in 2015, and the initiative receives further support from many prominent institutions including European Commission, London School of Economics, Imperial College, Office for National Statistics, Royal Statistical Society and other key stakeholders. Zeynep is also a Policy Fellow at the Centre for Science and Policy (University of Cambridge), and affiliated with the Department of Computer Science at University College London as an Honorary Senior Research Associate where she explores new tools and methodologies of Data Science applications in the policy/government space. Zeynep holds a PhD from Imperial College London on statistical pattern detection and parameter estimation on visual data.

Clément Epié & Nicolas Loubet

Directors
Cellabz

Nicolas is a French serial entrepreneur, engaged in many European creative communities from 2010.

He's co-building Cellabz with Clément Epié in order to accelerate the adoption of emergent technologies (especially the blockchain.s).

Martin Glasspool

Team Leader
Government Office for Science



Martin Glasspool is a Team Leader responsible for the Government Chief Scientific Adviser's theme of trade and finance. This involves looking at how science can contribute most effectively to UK growth, in particular in the finance and trade sectors. Recent highlights have included the publication of reports on FinTech and distributed ledger technology.

Martin has been a Civil Servant for 21 years. As well as GO-Science he has also held posts in the Department of Health and the Medicines and Healthcare products Regulatory Agency (MHRA). He has an MSc in biotechnology and prior to joining the Civil Service he worked as a forensic molecular biologist in the private sector and as a biomedical scientist in the NHS.

PARTICIPANTS PROFILES

Dr Phil Godsiff
Senior Research Fellow
University of Surrey



Phil Godsiff is a Senior Research Fellow at the Surrey Centre for the Digital Economy, (CoDE), part of the Business School at the University of Surrey, UK. His research is in the effect of developments in the digital economy where new forms of currency and organization, such as crypto- and personal currencies, have the potential to emerge leading to profound effects on the economy and wider society.

He is an Investigator on a recently awarded UK Research Council grant titled "CREDIT", which is examining the nature and practices of these crypto currencies, and will be defining the future research agenda. The main themes of the research are to explore the effect of these "currencies" on the digital transformation of business models, and to clarify issues around governance, standards and regulation. He is a member of the expert panel comprising practitioners and academics which advised Sir Mark Walport during his preparation of his report "Distributed Ledger Technology". Phil contributed the chapter on disruptive potential which explored the way blockchain technology might spark the next industrial revolution, and the implications for the economy and society.

Samuel Goëta
Researcher
Telecom ParisTech



Samuel Goëta is a researcher in sociology at Telecom ParisTech and a founding member of the French chapter of Open Knowledge.

His research deals mostly with the political aspects of digital technology. He is currently writing a PhD dissertation in sociology on open data which reveals the invisible work to release data.

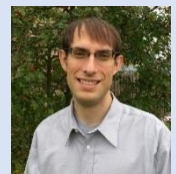
Ronan Gombau
Project Officer
Démocratie Ouverte



Specialized in Management and Entrepreneurship, Ronan is part of Démocratie Ouverte, an association which promotes and develops Open Government principles in France and in the World.

As a former consultant in Innovation, he uses his experience to create an incubator which aims to foster the development of civic tech and citizen projects, in order to maximize their impact on society.

Dr Scott A. Hale
Data Scientist
University of Oxford



Dr Scott A. Hale is a Data Scientist at the Oxford Internet Institute of the University of Oxford. With a background spanning both computer science and the social sciences he develops and applies new techniques to novel data sources in order to better understand human behaviour.

His research focuses on knowledge discovery, data mining, and the visualization of human behaviour in three substantive areas: cross-language information diffusion, mobilization/collective action, and human mobility.

PARTICIPANTS PROFILES

Jean Harivel

Adviser to the President of Imodev (*Institut du Monde et du Développement pour la Bonne Gouvernance Publique*)



Jean was a software engineer who graduated from the Institute of Applied Mathematics to Grenoble, one of the most popular engineer schools of France. He studied law at the University Paris 1 Panthéon-Sorbonne, and was graduated with a master of private law and business law, supplemented by digital law. Now, he is a PhD student at the University of Paris 1, studying the freedom in a digital and computerized society. As a software engineer, he spent his career as vice-president (director) at Capgemini. He directed the software development team of French Electronic Directory, the first world online system used to retrieve a phone number from a digital terminal (the French Minitel). He was Risk Delivery and Quality manager, in charge of ISO 9001 certification, audit of technical projects in terms of contractual, financial and technical risks. At the University of Paris 1, he is in charge of a computer course to master students, and lectures on freedoms.

Dr Sarah Labelle

Director of Research Paris 13 University



Sarah Labelle is lecturer in information and communication sciences at the University Paris 13. She's working on public policy and especially on innovation and new media. Her research concerns government practices and public action : how institutions manage to introduce new media and transform the way they conduct policy?

Her PHD, defended at the CELSA - Paris Sorbonne University, takes an interest in the different requisition programs of "information society" and in the mobilization of local stakeholders with an array of apparatus and systems.

She leads different scientific projects about curricular innovation and "serious game", creative cities and territories, open data and data literacy. She sets up an approach of "embedded researcher" in several organisations like the think tank, la FING (Internet New Generation Foundation) and Etalab (the Open Data French Task Force).

Prof. Aggelos Kiayias

Chair in Cybersecurity and Privacy University of Edinburgh



Aggelos Kiayias holds the position of chair in Cybersecurity and Privacy at the University of Edinburgh. Previously he was Associate Professor of Cryptography and Security at the Department of Informatics and Telecommunications, University of Athens where he was the head of the Cryptography and Security group and Professor in residence at the University of Connecticut, USA. His research interests are in computer security, information security, applied cryptography and foundations of cryptography with particular emphasis in blockchain technology, e-voting systems and privacy-preserving information processing and identification. Over the years, his research has been funded by the Horizon 2020 programme (EU), the European Research Council (EU), the Greek Secretariat of Research and Technology (Greece), the National Science Foundation (USA), the Department of Homeland Security (USA), the National Institute of Standards and Technology (USA) and the Department of Defense (USA). His distinctions include an ERC Starting Grant, a Marie Curie fellowship, an NSF Career Award, and a Fulbright Fellowship. He holds a Ph.D. from the City University of New York and he is a graduate of the Mathematics department of the University of Athens. He has over 100 publications in journals and conference proceedings.

Dr Robert M. Learney

Associate Director of the Imperial College Centre for Cryptocurrency Research and Engineering



Dr. Robert M. Learney is a healthcare technology enthusiast and qualified doctor who studied medicine at Oxford University and Imperial College. He still undertakes part-time clinical work while pursuing a PhD in Biomedical Engineering at Imperial College, funded by the James Dyson Fellowship.

During his PhD, Robert co-founded the Imperial College Centre for Cryptocurrency Research and Engineering, aiming to create a cross-disciplinary academic focal point for blockchain research in London. He co-supervises student projects into blockchain-enabled applications, as well as teaching programming classes at 6th form colleges around London as part of Imperial's Reaching Further programme.

PARTICIPANTS PROFILES

Pasquale Malacaria

Professor of Computer Science
Queen Mary University of
London



Pasquale Malacaria is a Professor of Computer Science at Queen Mary University of London. His research focuses in applying mathematical techniques like game theory and information theory to cybersecurity problems, e.g. problems like finding optimal cybersecurity portfolios and automatically detecting information leaks in computer systems. He is involved in two GCHQ/EPSC research institutes for cybersecurity (Research Institute in the Science of Cyber Security and Research Institute in Automated Program Analysis and Verification).

Geoff Mulgan

Chief Executive
Nesta



Geoff took over as CEO of Nesta in 2011, and since then has moved it out of the public sector and significantly increased its work in investment, research and innovation programmes. Between 1997 and 2004 Geoff had various roles in the UK government including director of the Government's Strategy Unit and head of policy in the Prime Minister's office. From 2004 to 2011 Geoff was the first Chief Executive of the Young Foundation. He was the first director and co-founder of the think-tank Demos; Chief Adviser to Gordon Brown MP; lecturer in telecommunications; investment executive; and reporter on BBC TV and radio. He is a visiting professor at LSE, UCL, Melbourne University and a regular lecturer at the China Executive Leadership Academy. He is an adviser to many governments around the world. He is also currently chair of the Studio Schools Trust and the Social Innovation Exchange. His most recent book is 'The Locust and the Bee', Princeton University Press, 2013.

Jessica Rushworth

Director of Government
Engagement and Policy
Digital Catapult



Jessica joined the Digital Catapult in November 2015 in the role of Director of Government Engagement and Policy. Her 15 year civil service career has covered many roles; including leading industry engagement with the cyber security sector whilst at the Cabinet Office and examining high profile issues including emerging technologies, cyber security skills and research and the Life Sciences strategy whilst at BIS and DCMS. Most recently she has worked with a large number of stakeholders to develop the innovative IoTUK programme. She will use her experience in policy-making, programme development and the interface between government and business to help the Catapult to develop deeper relationships and greater collaboration across government.

Dr François Taddei

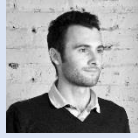
Director
Centre for Research &
Interdisciplinarity

François Taddei is a researcher in evolutionary systems biology and an expert on the future of research and education. He has created bachelor, master & PhD programs in the Center for Research and Interdisciplinarity in Paris in order to empower the new generations of change makers by training them through research at the frontiers of disciplines. François Taddei has taken the lead of the Institute for Learning Through Research that has been selected in March 2012 by the International Scientific Committee of the National Innovative Training Program (IDEFI) of the French ministry of research. François Taddei participates in various working groups on the future of research and education in France and international settings (EU, UNESCO, OECD...).

PARTICIPANTS PROFILES

Rieul Técher

Entrepreneur
LA MYNE



Rieul has both an engineering background with professional experience in a Governmental Agency , and a political science based background in public research policies. He also deals with social inclusion of science and technique in the society, and supports digital transformation. Co-founder of a hackerspace working on civictech and citizen appropriation of technical, economic and political systems, he also advises local government on digital and working habits transformation. Last of all, he is actually working on a structural project mixing energy and blockchain, aiming at experimenting with governments, energy dispatchers and providers, and stakeholders in the domain of energy the future of the energy distribution, production and consumption.

**French Embassy in the United Kingdom
Science and Technology Department**

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