

# APIs for Public Sector Innovation

Event series: **TECHNICAL ESSENTIALS II**

apidays essential



in collaboration with



## Public Administration – Private Sector API Codesign

A collaborative dialogue between public sector and API practitioners in the private sector



## Closing remarks

# THANK YOU ALL!

### *Today's take aways:*

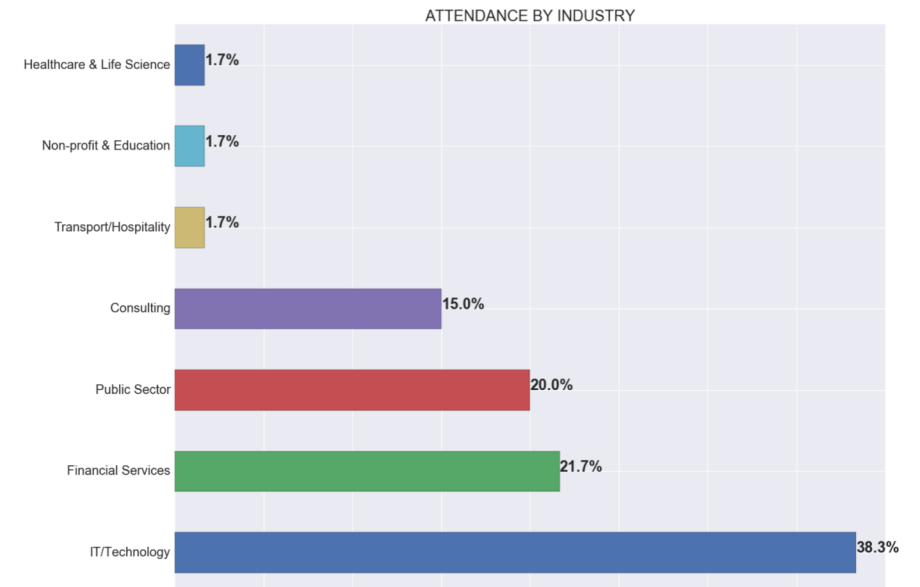
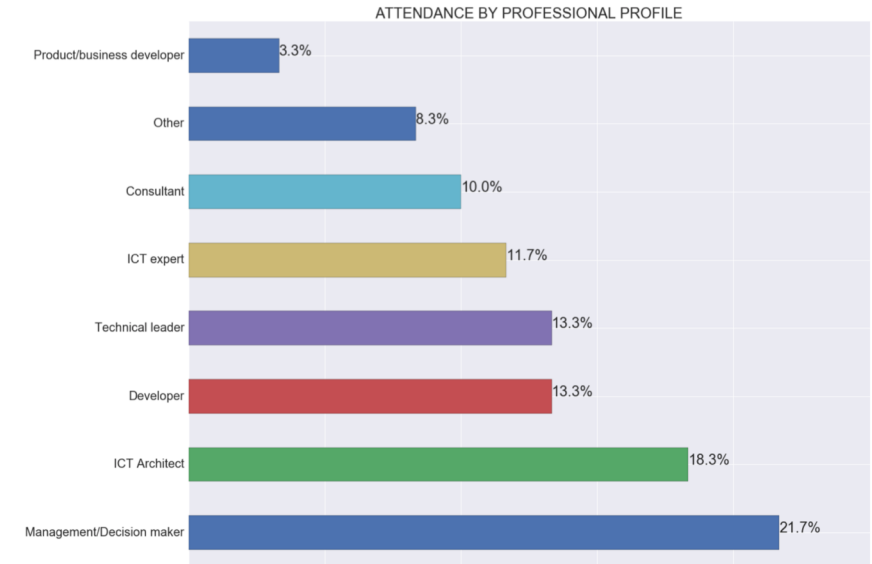
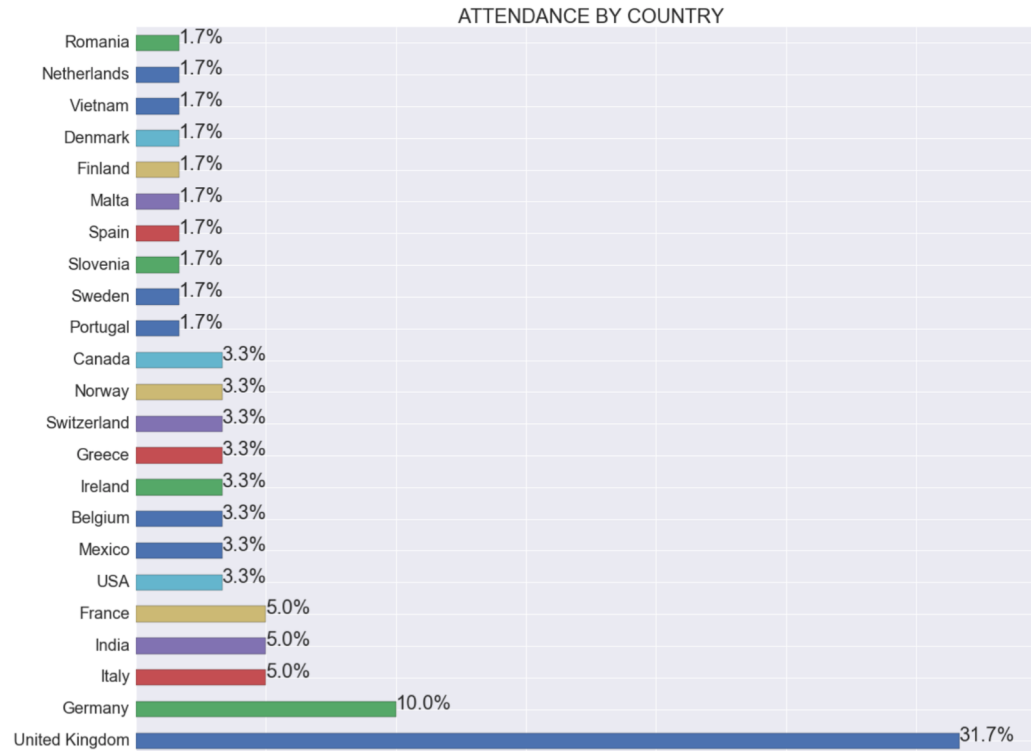
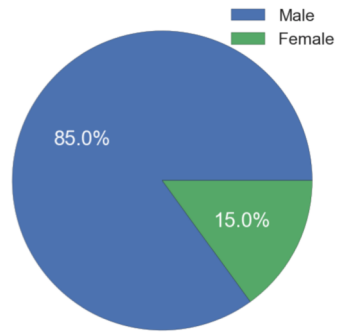
- **Erik's :**
  - Governance of APIs at organizational level to harness value creation through APIs
- **Darrel's:**
  - OAS as enabler of the creation of value through the facilitation of API machine to machine integration
- **Isabelle's:**
  - Recommendations on how to tackle with security holistically for organizations

### *Aftermath:*

- Material/ presentations will be shared on by mail and published on our API4DT collection
  - We will summarise the highlights of the event.

# Event statistics

Total participants: 60



# API for Digital Government tools and reports

EU SCIENCE HUB  
The European Commission's science and knowledge service

European Commission > EU Science Hub > News > Igniting digital transformation governments apis

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## Igniting the digital transformation of governments with APIs

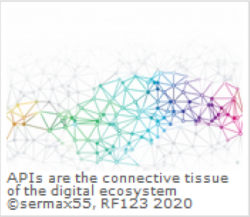
**SEP 17 2020** JRC experts have uncovered the potential of application programming interfaces (APIs) and proposed a framework of practical recommendations for their adoption in the public sector and the development of new applications for citizens.

APIs are machine-to-machine computing interfaces that enable one digital application to use the data and functionalities of another. They are, in a way, the connective tissue of the digital ecosystem.

As an under-the-bonnet aspect of digitalisation, users and decision-makers often overlook the importance of APIs.

The JRC report "Application Programming Interfaces in Governments: Why, What and How" argues that they should not. When governments did take a stab at rolling out API-based services, the uptake of these was rapid and massive.

APIs are the connective tissue of the digital ecosystem  
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JRC SCIENCE FOR POLICY REPORT

## Application Programming Interfaces in Governments: Why, what and how

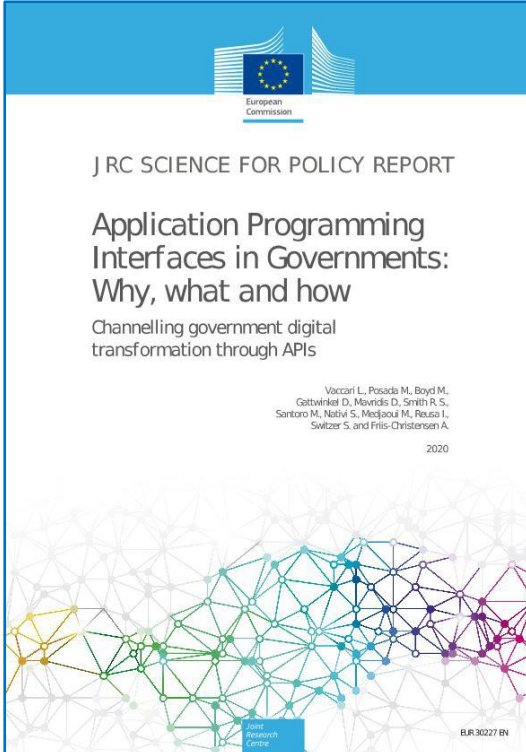
Channelling government digital transformation through APIs

Vaccari L., Posada M., Boyd M., Gettwinkel D., Novais D., Smith R. S., Santoro M., Nativi S., Medjoul M., Reusa L., Switzer S. and Fris-Christensen A.

2020

JRC Science for Policy Centre

EUR 30227 EN



JRC TECHNICAL REPORT

## An Application Programming Interface (API) framework for digital government

Boyd, M., Vaccari, L., Posada, M., Gettwinkel, D.

2020

JRC Science for Policy Centre

EUR 3026 EN



The API framework diagram includes:
 

- Policy support**: Align APIs with policy goals; Design metrics and priorities APIs; Measure policy impacts of APIs.
- Platform**: Define the government platform vision; Harmonise platform and ecosystems assets; Build API platform components.
- Processes**: Form guiding principles for API processes; Follow an API product approach; Adopt an API lifecycle approach.
- People**: Create governance structures; Establish knowledge competency team; Assign API roles, responsibilities, and teams.

EU Survey

Introduction  
This maturity assessment tool, built within the European Commission APIs4Gov study, has been prepared to self-assess the adoption of APIs in governments.

The framework is based on twelve proposals distributed on four aspects or 'pillars' (policy, platform, people and processes) and three action levels (strategic, tactical and operational). It is inspired by the EIF of the European Commission and available government best practices documents on API adoption.

<https://ec.europa.eu/eusurvey/runner/APIFrameworkTool>



- [1] [APIs in Governments: why, what and how](#)
- [2] [API Framework for Government](#)
- [3] [API Framework Self Assessment Tool](#)



# API4DT joinup collection – stay tuned!

**Application Programming Interfaces (APIs) for the digital transformation**

Last update: 5 days ago | 5 Members | 0 Solutions

## About Application Programming Interfaces (APIs) for the digital transformation

The European Commission understands the key role that APIs play in the digital sphere, and it is gaining deep understanding aspects of its adoption in organizations. This JoinUp collection presents a series of outputs that investigate on these aspects.

Quickly check the outputs

- Reports
- Events
- Data
- Tools
- Surveys

Join our community and stay tuned:



Contact us directly [jrc-apis4dgv@ec.europa.eu](mailto:jrc-apis4dgv@ec.europa.eu)

## REPORTS

- Report: API framework for digital government**  
Document  
Abstract The framework for API adoption in government proposes actions to design a coordinated API adoption in  
API4DT API4DT-reports API4DGov  
document
- Report: Digital government benchmark (API study)**  
Document  
Abstract This work analyses in-depth disparate case studies of the adoption of APIs in  
API4DT API4DT-reports API4DGov  
document
- Science for Policy report: APIs in Governments: Why, what and how**  
Document  
Abstract The APIs4DGov report analyses why, what and how API should be adopted by  
API4DT API4DT-reports API4DGov  
document
- Report: 'APIs: general purpose standards, terms and European Commission**  
Document  
Abstract The aim of this report is to support API stakeholders in the identification and selection  
API4DT API4DT-reports  
document

## DATASETS

- Dataset: API for government datasets**  
Document  
The European Commission's DG CONNECT together with the Joint Research Centre (JRC) launched the 'APIs4DGov - Digital  
API4DT API4DT-data  
document

## TOOLS & SURVEYS

- Survey: API strategies and use in governments**  
Guideline  
In January 2018, the European Commission's DG CONNECT and the Joint Research Centre (JRC) of the European Commission  
API4DT API4DT-surveys API4DGov  
document
- Tool: API for government framework - API strategy self assessment**  
Guideline  
This maturity self-assessment tool builds on the API Framework proposed by the European  
API4DT API4DT-tools API4DT-surveys  
document

## EVENTS

- Event: Assessing Government API strategies across the EU**  
17/10/2018 event
- Event: APIs for governments: public sector track and workshop**  
14/11/2019 event
- Workshop: API technical essentials: Public administration & private**  
25/09/2020 event

# APIs for the public sector & APIdays - 2020



**HELSINKI – SEPTEMBER 25, 2020**

**Public sector track**



**LONDON – OCTOBER 27 & 28, 2020**

**Workshop**



**PARIS – DECEMBER 8 & 10, 2020**

**Public sector track  
& Workshop**

# Thank you



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