Digital dimension of the Recovery and Resilience Programme and relevant results from ELISE

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Ispra & Seville, 10 November 2021
Content

• What is the European Commission’s Joint Research Centre?
• How does the Recovery and Resilience Facility help modernise Europe’s public sector with digital technologies?
• What can we learn from the ELISE programme for Europe’s recovery and resilience?
What is the European Commission’s Joint Research Centre?
JRC Mission

As the science and knowledge service of the European Commission our mission is to support EU policies with independent evidence throughout the whole policy cycle.
JRC sites

Headquarters in **Brussels** and research facilities located in **5 Member States:**

- Belgium (Geel)
- Germany (Karlsruhe)
- Italy (Ispra)
- The Netherlands (Petten)
- Spain (Seville)
JRC role

- **Independent** of private, commercial or national interests
- **Policy neutral**: has no policy agenda of its own
- Works for more than 20 EC policy departments
How does the Recovery and Resilience Facility help modernise Europe’s public sector with digital technologies?
The Recovery and Resilience Facility

• €723.8 billion in loans and grants to support reforms and investments in Member States.

• Mitigate economic and social impact of Covid19 pandemic; make European economies and societies more sustainable and resilient.

• In force from 19 February 2021 until 31 December 2026.

The Digital Dimension of the RRF

• Speed up the recovery in Europe and reinforce the commitment to the twin transition: green and digital.

• National plans need a minimum of 37% of expenditure for climate investments and 20% of expenditure to foster the digital transition.
Public sector digitalization in the RRF

- Creation of European flagship areas for investments and reforms.
- Commission strongly encouraged Member States to put forward investment and reform plans in 7 areas.
- Digitalization of public administration one of the 7 flagship areas.

## Analysing the national plans: overview

### Total investments

<table>
<thead>
<tr>
<th>Country</th>
<th>bn €</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austria</td>
<td>3.5</td>
</tr>
<tr>
<td>Belgium</td>
<td>5.9</td>
</tr>
<tr>
<td>Croatia</td>
<td>6.3</td>
</tr>
<tr>
<td>Cyprus</td>
<td>1.2</td>
</tr>
<tr>
<td>Czechia</td>
<td>7</td>
</tr>
<tr>
<td>Denmark</td>
<td>1.5</td>
</tr>
<tr>
<td>Estonia</td>
<td>0.969</td>
</tr>
<tr>
<td>Finland</td>
<td>2.1</td>
</tr>
<tr>
<td>France</td>
<td>39.4</td>
</tr>
<tr>
<td>Germany</td>
<td>25.6</td>
</tr>
<tr>
<td>Greece</td>
<td>30.5</td>
</tr>
<tr>
<td>Ireland</td>
<td>0.989</td>
</tr>
<tr>
<td>Italy</td>
<td>191.5</td>
</tr>
<tr>
<td>Latvia</td>
<td>1.8</td>
</tr>
<tr>
<td>Lithuania</td>
<td>2.2</td>
</tr>
<tr>
<td>Luxemburg</td>
<td>0.093</td>
</tr>
<tr>
<td>Malta</td>
<td>0.316</td>
</tr>
<tr>
<td>Portugal</td>
<td>16.6</td>
</tr>
<tr>
<td>Romania</td>
<td>29.1</td>
</tr>
<tr>
<td>Slovakia</td>
<td>6.3</td>
</tr>
<tr>
<td>Slovenia</td>
<td>2.5</td>
</tr>
<tr>
<td>Spain</td>
<td>69.5</td>
</tr>
</tbody>
</table>

### Share of green and digital

![Green and Digital investments (% of total)](chart.png)
Analysing the national plans: public sector
Main messages from analysing national plans

• Until 2026, about 23bn euro will be spend on digitalizing the public sector

• Depending on the priorities of the different national plans, national mapping, cadaster and land registry authorities will be impacted
  
  -> great challenge as well as great opportunity
  
  -> experiences of mapping, cadaster and land registry authorities in creating interoperable, impactful, digital services is needed
What can we learn from the ELISE Action for Europe’s recovery and resilience?
A BIT OF HISTORY...

2004
IDABC: Interoperable Delivery of European eGovernment Services

2010
ISA: Interoperability solutions for public administrations
Actions:
- EULF
- ARE3NA

2016
ISA²: Interoperability Solutions for European Public Administrations, Businesses and Citizens
ELISE

2021
DIGITAL: Digital Europe Programme

WHAT?
ELISE stands for European Location Interoperability Solutions for e-Government. It is one of the more than 50 actions in the European Interoperability Programme ISA².

WHAT FOR?
To support Digital Government Transformation by making the best use of location data and technologies in an interoperable manner.

FOR WHOM?
For all: citizens, businesses and public administrations

ELISE builds upon the outcomes of the former ISA actions EULF and ARE3NA. It is the only action of the ISA² Programme, aiming to improve Digital Government through Location Interoperability.
ELISE outputs and topics

41 Studies

1 Framework (Guidance/Monitoring)

11 Solutions

6 Applications

52 Webinars / 22 Workshops

ELISE impact in numbers

More than 10,000 interactions with ELISE over the past 6 years

ELISE - European Location Interoperability Solutions for e-Government | Joinup (europa.eu)
For and with a varied stakeholder community

- Industry players of all sizes
- Standardisation bodies
- Consultancy companies
- Open source communities
- Users & developers
- Businesses
- Public Administrations
- ELISE Action
- Members States
- City & regional administrations
- European Commission & European agencies
- International organisations
- Research institutes
- Experts
- Citizens
Some ELISE achievements

- Complemented EIF and NIFO with a location interoperability framework (EULF Blueprint) and state of play assessment (LIFO)
- EULF Blueprint cross-reference with UN-GGIM Integrated Geospatial Information Framework (IGIF)
- Helped put the INSPIRE Directive into practice with tools for data providers (e.g. Reference Validator, Re³gistry)
- Built a large community of European and international stakeholders
- Raised awareness on new approaches to location-enabled digital government transformation
- Assessed role of SDIs in future business models, e.g. data ecosystems, digital platforms
- Assessed new policies (e.g. GDPR, European Data Strategy) and technologies (e.g. APIs, AI, blockchain)
- Promoted and facilitated better links on location data between public and private actors
- Helped generate value from public sector location data through assessing barriers and solutions, providing guidance on benefit realisation, and best practice illustrations
Some lessons learnt

- Location interoperability **framework and guidance** (EULF Blueprint) in combination with **monitoring mechanism** (LIFO) provide sustainable **support to** the Member states in achieving location interoperability for better digital public services delivery.

- **Location aspects** often well **recognised in policy and strategic digital frameworks**

- **Knowledge transfer support** is seen as **vital** to make the most of ‘location’ assets in the **new policy landscape** for all types of stakeholders.

- **Preserving the community dealing with the location interoperability** will assure better knowledge sharing among the stakeholders and increase their skills and competencies.

- **Closer engagement with digital government and private sector users** across all levels of society will help ‘raise the game’. 
Location interoperability in the future EU policy context

Horizon Europe
- MFF 2021-2027
- NextGenerationEU
- Recovery and Resilience Facility
- Living-in.EU: Join, Boost, Sustain

EU AND REGION S

European Union

Green Deal
- Destination Earth
- Sustainable and Smart Mobility Strategy
- INSPIRE evolution

SECTOR

BF 2021-2027
- EULF Blueprint | Joinup | Blueprint for a user-driven SDI

DATA
- EU Data Spaces
- EU Data Strategy
- Data Governance Act
- Data Act

DIGITAL
- EIF evolution
- EIF4SCC
- Open Data Directive

DIGITAL
- Europe Fit for a Digital Age
- Berlin Declaration

LOCATION DIMENSION
Building on ELISE for the Digital Europe Programme

Digital Europe Programme Themes
- High performance computing
- Cloud, data and AI
- Cybersecurity
- Advanced digital skills
- Accelerating best use of technologies

European Location Intelligence and Technological Enablers (ELITE)
- EULF Blueprint
- LIFO
- Data Spaces Cookbook
- Sandboxing

Common Services Platform
- ETF Validator
- Re3gistry

Source: Digital Europe
Keep in touch

EU Science Hub: ec.europa.eu/jrc
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EU Science, Research and Innovation
EU Science Hub
EU science
Thank you

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