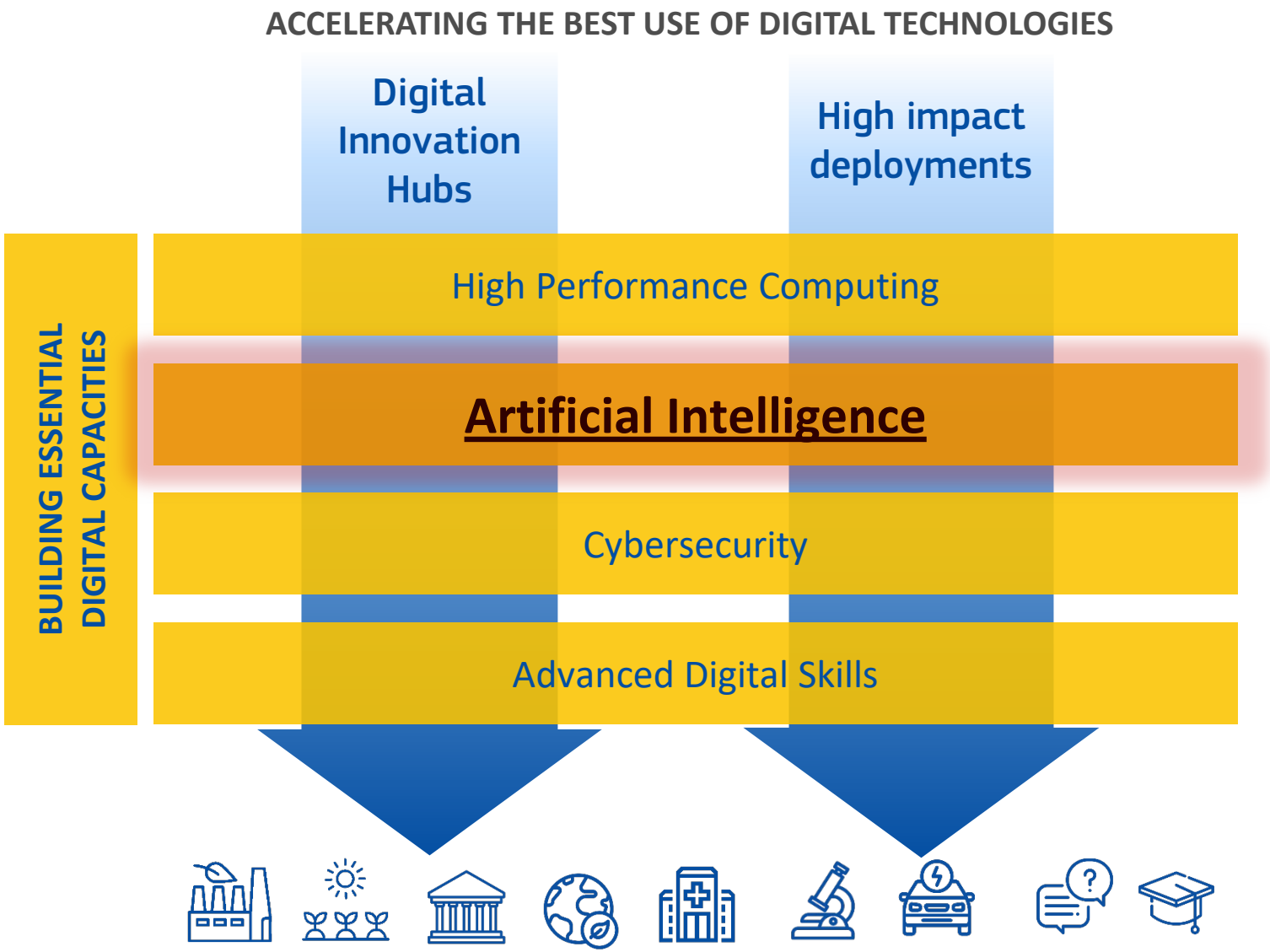
Information session on the call for proposals for public sector open data for AI

23 March 2022

#DigitalEuropeProgramme

Digital Europe Programme: the structure



HVDs and Data Spaces

Common European data spaces

High Value Datasets from public sector

- Driven by stakeholders
- Rich pool of data of varying degree of openness
- Sectoral data governance (contracts, licenses, access rights, usage rights)
- Technical tools for data pooling and sharing

Data Spaces Support Centre

- Coordinating the development of data spaces
- Assuring common standards and interoperability

Technical infrastructure for data spaces

Edge & cloud Services | Smart Middleware solutions | Marketplace | High-Performance Computing | AI on demand platform | AI Testing and Experimentation Facilities

Call basics from the Digital Europe Programme workprogramme 2021-2022

Public Sector Open Data for AI:

Type of action	Simple grant (50% co-funding rate)
Indicative Budget	EUR 20 million
Indicative time of call opening	Second call
Indicative duration of the action	24-36 months
Indicative budget per Grant (EU contribution)	EUR 5-6 million
Implementation	European Commission
Security	Call restricted on the basis of article 12(6) of the Digital Europe Programme Regulation

Public Sector Open Data for AI

What are we looking for?

Increase the easy availability, quality and usability of public sector information in compliance with the requirement of the Open Data Directive , in order to boost the re-use and combination of open public data across the EU for the development of information products and services, including AI applications

Public Sector Open Data for AI

What are we looking for?

Support public administrations at local, regional and national level in increasing semantic, technical and legal interoperability and data portability of the High Value Datasets (HVDs):

- Geospatial
- Earth observation and environment
- Meteorological
- Statistics
- Companies and company ownership
- Mobility

Public Sector Open Data for AI

What are we looking for?

- Datasets generated must be discoverable and available through one or more Member States' open data portals for free
- Conditions for the publication and re-use of datasets generated by the proposed actions must be machine readable and compatible with open standard licence
- List of attributes, formats, structure, semantics, documentation, terms of use and data quality attributes to ensure cross-border interoperability
- Access through existing or, where necessary, newly developed Application Programming Interfaces (APIs)

Public Sector Open Data for AI

What we do NOT want?

- Datasets outside the six thematic categories mentioned in the Open data Directive and addressed by the future High Value Datasets Regulation
- Newly generated datasets, UNLESS these new datasets are the result of the merge of already existing ones, harmonized, improved in quality, etc.

Public Sector Open Data for AI – topic evolution

Is this new or has it been called before?

Calls addressing a similar objective were included in several workprogrammes of the Connecting Europe Facility programme 2014-2020.

This call restricts the thematic categories to the ones of the Open Data Directive, and includes the obligation of making datasets available for free, through APIs and, where relevant, in bulk download

Public Sector Open Data for AI – Key actors

Who are the types of main stakeholders that are addressed?

Public Administrations addressed by the obligations of the Open Data Directive and the upcoming Implementing Regulation on High Value Datasets.

Public and private data reusers stakeholders may be implicated in the choice of datasets to be prioritized.

Public Sector Open Data for AI

Additional / background documents

- Directive (EU) 2019/1024 of the European Parliament and of the Council of 20 June 2019 on open data and the re-use of public sector information
- Draft Impact Assessment study on the list of High Value Datasets to be made available by the Member States under the Open Data Directive (an applicant for access to documents posted several relevant documents here: https://www.asktheeu.org/en/request/high_value_dataset_impact_analys#incoming-30453)

High-value datasets

- ***Geospatial***
- ***Earth observation and environment***
- ***Meteorological***
- ***Statistics***
- ***Companies and company ownership***
- ***Mobility***

An Implementing Regulation planned for 2022 will define the list of specific high-value data sets within the 6 thematic categories set out in Annex I among the documents to which the Directive applies

Datasets listed in the implementing act to be made available

- for free,
- in machine-readable formats,
- via APIs,
- as bulk downloads (where relevant).

In case of a substantial impact on the budget of the public bodies involved, free availability can be delayed by up to 2 years

Geospatial – preliminary draft Implementing Regulation

Datasets	Administrative units	Geographical Names	Addresses	Buildings	Cadastral parcels	Agricultural parcels and livestock
Granularity	All generalisation levels available up to the level of scale 1:5000. From municipalities to countries; sea-frontiers.	N/A	N/A	All generalisation levels available up to the level of scale 1:5000.	All generalisation levels available up to the level of scale 1:5000.	Equivalent to 1:5000 as referred to in Article 70(1) of the Regulation (EU) 1306/2013
Geographical coverage	National or partial (i.e. covering the entire country when combined).	National or partial (i.e. covering the entire country when combined).	National or partial (i.e. covering the entire country when combined).	National or partial (i.e. covering the entire country when combined).	National or partial (i.e. covering the entire country when combined).	National (if regional design is applied, the addition of regions should cover the entire country).
Key attributes	Unique identifier; Geometry; Latitude and longitude; Boundary; National identification code; identification code of the upper administrative level; official name; country code; name in multiple languages (only for countries with more than one official language).	Unique identifier; Geometry; Name; name in multiple languages (only for countries with more than one official language); category; latitude and longitude (as per INSPIRE specifications)	Unique identifier; Geometry; Latitude and longitude; address locator (e.g. house number); thoroughfare (street); name; administrative units (e.g. municipality; province, country; postal descriptor (e.g. post code); date of last update.	Unique identifier; Geometry/Footprint of the building; floors; type of use.	Unique identifier; Geometry (boundary) of cadastral parcels; type of parcel; parcel code; references to the administrative area to which the parcel belongs.	Reference parcels as defined by Commission Delegated Regulation (EU) 640/2014); Agricultural area ('land cover') as referred to in article 4(1)(e) of Regulation (EU) No 1307/2013; Agricultural parcels ('land use') as referred to in Article 67(4)(a) of Regulation (EU) 1306/2013 and Article 5(2) of Commission Delegated Regulation (EU) 640/2014; Geometry and land use of agricultural parcels as referred to in Article 14(d) of Commission Delegated Regulation (EU) 809/2014; crop groups associated as referred to in Article 17 of Commission Delegated Regulation (EU) 640/2014; Landscape features and trees as referred to in Article 9(1) of Commission delegated Regulation (EU) 640/2014; Type of animals and number of each type of animals (Article 21c of Commission Delegated Regulation (EU) 809/2014

Earth observation and environment - preliminary draft Implementing Regulation

Datasets	
Earth observation data sets (INSPIRE themes**)**	**Environmental data sets: e-reporting priority data**
Hydrography (I)	Air quality: Directive 2008/50/EC
Land cover (II), land use (III)	Emissions: Directive 2010/75/EU, Directive 2012/18/EU, Directive 91/676/EEC, Regulation (EC) 166/2006, Regulation (EU) 2017/852
Elevation (II)	Nature preservation and biodiversity: Directive 2009/147/EC, Directive 92/43/EEC, Regulation (EU) 1143/2014, Nationally designated areas – CDDA, National biogeographical regions
Geology (II)	Noise: Directive 2002/49/EC
Ortho-imagery (II)	Waste: Directive 1999/31/EC, Directive 2006/21/EC, Directive 86/278/EEC, Directive 91/271/EEC
Oceanography (III)	Water: Directive 91/271/EEC, Directive 2006/7/EC, Directive 2000/60/EC and Directive 98/83/EC, Directive 2007/60/EC, Directive 2008/56/EC
Sea Regions (III)	Hydraulic fracturing: Recommendation 2014/70/EU
Protected sites (I)	
Bio-geographical regions (III)	
Environmental monitoring facilities (III)	
Habitats/Biotopes (III)	
Natural Hazards (III)	
Soil (III)	
Species distribution (III)	

Meteorological- draft Implementing Regulation

Datasets	Observations data measured by weather stations	Climate data: validated observations	Weather alerts	Radar data	NWP model data
Granularity	Per weather station, full temporal resolution	Per weather station, full temporal resolution	Alerts, 48 hrs or more ahead	Per radar station in the MS and national composite	Minimum 48 hrs ahead in 1hr steps, national, at 2.5km/best available grid
Key attributes	All observation variables measured	All validated measured observation variables; daily average per variable		Reflectivity, Backscatter, polarization. Precipitation, wind, and echotops	Deterministic and/or ensembles if available, for meteorologically relevant parameters and levels
Format	BUFR, NetCDF, ascii (for real time data), JSON (for hourly data)	NetCDF, JSON	XML (Cap or RSS / Atom)	HDF5, JSON	GRIB (or NetCDF), JSON
Update frequency and timeliness	Every 5-10 minutes in real time for automated stations, hourly unvalidated for all stations, for the last 24 hrs	Daily validated hourly (and better temporal resolution) and daily average observations data; all digitised historical data	As issued or hourly	Near real time in 5 minute intervals (or available shortest interval)	Every 6 hrs, or better temporal resolution, from the last 24 hrs.

Statistics- draft Implementing Regulation

Scope: Dataset categories

- **Business statistics (industrial production, industrial producer price index, production in construction,retail trade, trade in goods, tourism),**
- **macroeconomic statistics (consumer prices, national accounts – GDP key indicators on corporations, key indicators on households, government expenditure and revenue, government debt) and**
- **social statistics (population, fertility, mortality, healthcare expenditure, poverty, inequality, employment, unemployment, potential labour force).**

Each dataset specification also includes minimum required key variables (e.g. gross value added, final consumption, exports and imports) as well as the precise combination of breakdowns (e.g. regional (NUTS 2 or NUTS 3), sex, age, activity) to apply for each key variable.

Publication modalities

- **CC-BY 4.0 licence**
- **CSV, XML (SDMX) and JSON formats**
- **Both API and bulk download**
- **Complete metadata and documentation according to official statistics baseline standard (SIMS)**
- **The requirement to use controlled vocabularies and taxonomies which are DCAT-compatible**
- **Higher degree of granularity for the metadata files (i.e. description of the statistical data, as well as descriptions of the statistical concepts, methodologies and information on data quality)**

Company information - draft Implementing Regulation

Datasets	Basic company information: key attributes	Company documents and accounts The descriptions of the datasets and their key attributes shall be understood in accordance with the wording of Directive 2013/34/EU of the European Parliament and of the Council and Directive 2004/109/EC of the European Parliament and of the Council.

	- Name of the company (full version; alternative names when applicable);
	- Company status (such as when it is closed, struck off the register, wound up, dissolved (as well as the date of these events), economically active or inactive as defined in national law);
	- Registration date;
	- Registered office;
	- Legal form;
	- Unique identifiers (such as registration number and company identifier);
	- Member State where registered;
	- Activity/activities that are the object of the company, such as the NACE code.
		- Accounting documents, which include:
		  ○ Financial statements (incl. the list of participating interests, subsidiary undertakings and associated undertakings, their registered office and proportion of capital held), audit reports.
		  ○ Non-financial statements, management reports and other statements or reports.
		  ○ Annual financial reports.

Mobility - draft Implementing Regulation

- Datasets within the scope of the **INSPIRE data theme Transport Networks** as defined in Annex I to Directive 2007/2/EC. Road, rail, air and water transport networks and related infrastructure.
  - At all generalisation levels available up to a scale of 1:5000;
  - National coverage (where available);
  - Including national identification code;
  - Longitude and latitude as well as links with cross-border networks, where available.

- For those Member States to which the Directive 2005/44/EC of the European Parliament and of the Council of 7 September 2005 on **harmonised river information services (RIS) on inland waterways in the Community (RIS Directive)** applies, this category also includes the datasets in the table below; the datasets are understood as described in the RIS Directive

Funding by the Digital Europe Programme: how to submit a proposal

- Proposals must be submitted electronically via the Funding & Tenders Portal Electronic Submission System
- Proposals (including annexes and supporting documents) must be submitted using the forms provided inside the Submission System
- Proposals must be complete:
  - Application Form Part A — contains administrative information and the summarised budget for the project
  - Application Form Part B — contains the technical description of the project (**Max. 70 pages - Evaluators will not consider any additional pages.**)
  - Mandatory annexes and supporting documents

Who can participate

- legal entities (public or private bodies)
- established in one of the eligible countries, i.e.:
  - EU Member States (including overseas countries and territories)
  - EEA countries
  - countries associated to the Digital Europe Programme or countries which are in ongoing negotiations for an association agreement and where the agreement enters into force before grant signature (Turkey, Serbia, Moldova, Ukraine, Israel)
- participation in any capacity (as beneficiary, affiliated entity, associated partner, subcontractor or recipient of financial support to third parties) is limited to entities from eligible countries

Who can participate

- Natural persons are NOT eligible (with the exception of self- employed persons established in one of the eligible countries)
- International organisations are not eligible, unless they are International organisations of European Interest within the meaning of Article 2 of the Digital Europe Regulation (i.e. international organisations the majority of whose members are Member States or whose headquarters are in a Member State)
- EU bodies — EU bodies (with the exception of the European Commission Joint Research Centre) can NOT be part of the consortium.
- all topics of this call are subject to restrictions due to security, therefore entities must not be directly or indirectly controlled from a country that is not an eligible country.
- All entities have to fill in and submit a declaration on ownership and control, except for entities that are validated as public bodies by the Central Validation Service

Consortium composition and applicable rules

- minimum 3 applicants (beneficiaries; not affiliated entities)
- at least one applicant is a public sector body in the scope of the Open Data Directive
- Projects should take into account the results of projects supported by other EU funding programmes. The complementarities must be described in the project proposals
- The proposals must relate to activities taking place in the eligible countries
- Projects must comply with:
  - highest ethical standards and
  - applicable EU, international and national law (including the General Data Protection Regulation 2016/679).
- Proposals under this call for proposals will have to undergo an ethics review to authorise funding and may be subject to specific ethics rules

What is funded and how much

- The grant will be a budget-based mixed actual cost grant (actual costs, with unit cost and flat-rate elements). This means that it will reimburse ONLY certain types of costs (eligible costs) and costs that were actually incurred for your project (NOT the budgeted costs).
- The costs will be reimbursed at the funding rate fixed in the Grant Agreement: **50%**
- Grants may NOT produce a profit (i.e. surplus of revenues + EU grant over costs). For-profit organisations must declare their revenues and, if there is a profit, we will deduct it from the final grant amount

Eligible costs

- Personnel costs
  - Employees, natural persons under direct contract, seconded persons
  - SME owners and natural person beneficiaries
- Subcontracting costs
- Purchase costs
  - Travel and subsistence
  - Equipment (depreciation only, NO full cost for equipment)
- Indirect cost flat-rate: 7% of the eligible direct costs
- Other costs (e.g. project websites: communication costs for presenting the project on the participants' websites or social media accounts are eligible; costs for separate project websites are not eligible)

Payment arrangements

- After grant signature, you will normally receive a prefinancing to start working on the project (normally 50% of the maximum grant amount; exceptionally less or no prefinancing).
- There will be one or more interim payments.
- At the end of the project, we will calculate your final grant amount. If the total of earlier payments is higher than the final grant amount, we will ask you (your coordinator) to pay back the difference (recovery).
- All payments will be made to the coordinator.

Evaluation

- An evaluation committee (composed or assisted by independent outside experts) will assess all applications. Proposals will first be checked for formal requirements (admissibility, and eligibility). Proposals found admissible and eligible will be evaluated against the award criteria and then ranked according to their scores.

Award criteria	Minimum pass score	Maximum score
Relevance	3	5
Implementation	3	5
Impact	3	5
Overall (pass) scores	**10**	**15**

Evaluation

Relevance

- Alignment with the objectives and activities as described in section 2
- Contribution to long-term policy objectives, relevant policies and strategies, and synergies with activities at European and national level

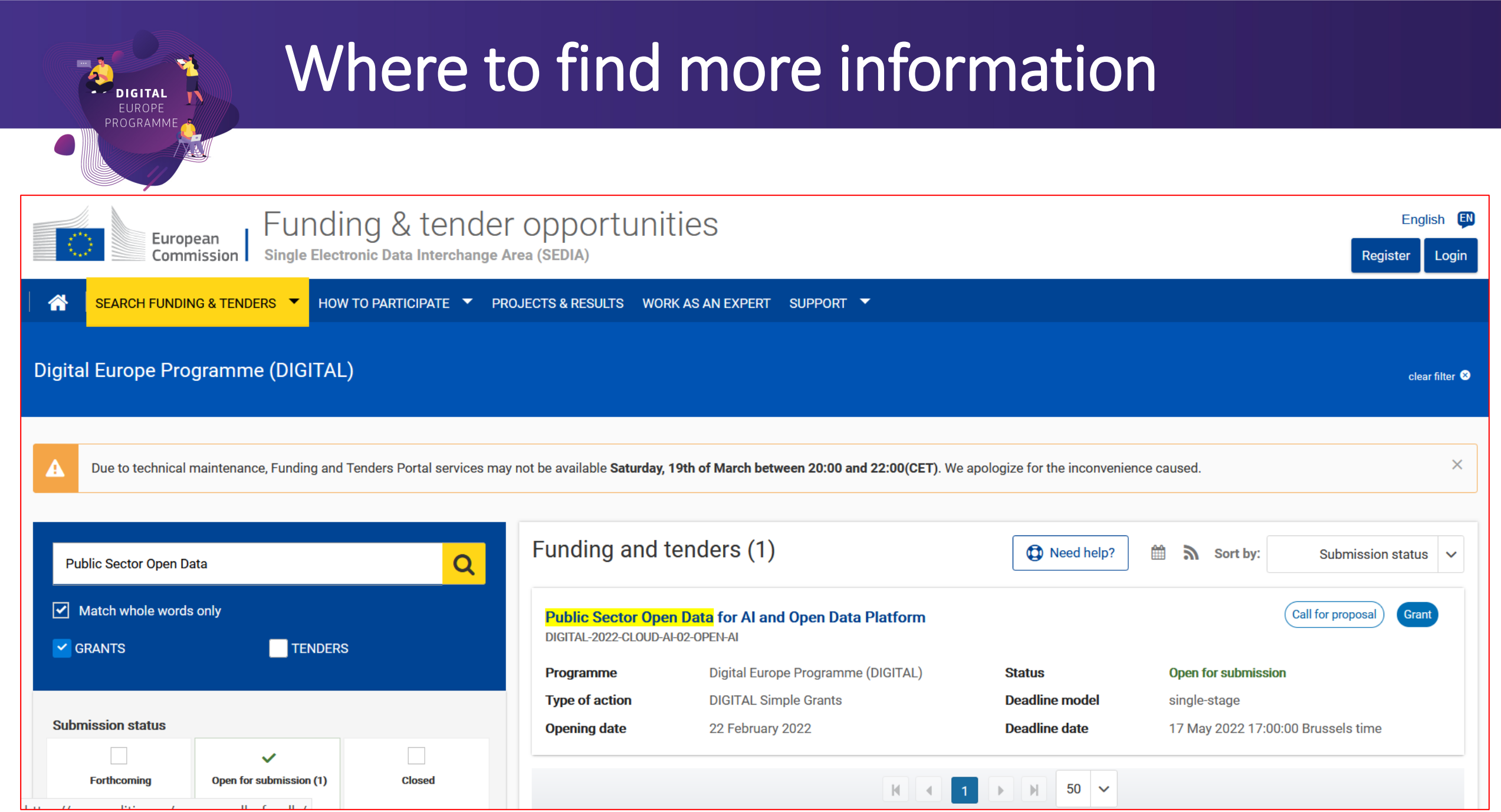
Implementation

- Maturity of the project
- Soundness of the implementation plan and efficient use of resources
- Capacity of the applicants, and when applicable the consortium as a whole, to carry out the proposed work

Impact

- Extent to which the project will achieve the expected outcomes and deliverables referred to in the call for proposals and, where relevant, the plans to disseminate and communicate project achievements
- Extent to which the project will strengthen competitiveness and bring important benefits for society

Where to find more information



Where to network

Partner search

Search by keyword, name... | Search

Organisations | Persons | Advanced search

Programme / Topic

Programme: Select a Programme...

Topic: Select a Topic...

Location

Country: Select a Country...

City: Type a City...

Organisation

Organisation type: Select an Organisation type...

Person profile

Professional profile: Select a Professional profile...

Profiles with published Partner search announcements (8532)

General information

Topic description

Conditions and documents

Partner search announcements

Submission service

Topic related FAQ

Get support

Call information

Call updates

Go back

Searches of partners to collaborate on this topic

0

View / Edit

LEARs, Account Administrators or self-registrants can publish partner requests for open and forthcoming topics after logging into this Portal, as well as any user having an active public Person profile.

Start submission

To access the Electronic Submission Service, please click on the submission-button next to the **type of action** and the **type of model grant agreement** that corresponds to your proposal. You will then be asked to confirm your choice, as it cannot be changed in the submission system. Upon confirmation, you will be linked to the correct entry point.

To access existing draft proposals for this topic, please login to the Funding & Tenders Portal and select the My Proposals page of the My Area section.

Please select the type of your submission:

DIGITAL Simple Grants [DIGITAL-SIMPLE], DIGITAL Action Grant Budget-Based [DIGITAL-AG]

Thank you – Questions?

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