# 2018-5 CEF Telecom Call: Public Open Data

**European Commission**

Directorate-General for Communications Networks, Content and Technology

Joint Research Centre

# CEF-TC-2018-5: Public Open Data

**Improved access to public sector information, as well as its exploitation, is an essential component of the EU strategy for stimulating new business opportunities and research and addressing societal challenges.**

Actions addressed by this 2018 call will have to reflect one of the following three **Objectives**:

1) Support for the re-use of information made discoverable/available through the European Data Portal

2) Support generation of cross-border services providing access to harmonised thematic open dataset, in particular geospatial data

3) Support the creation of new access services to increase the HPC and data capacities of the European Data Infrastructure

# Public Open Data –Legal framework

- *Commission communication on Open Data (COM(2011) 882 of 12 December 2011) – Open Data: an engine for innovation, growth and transparent governance*

- *Directive 2003/98/EC - 2013/37/EU on the re-use of public sector information (PSI)*

- *Commission notice 2014/C 240/01 - Guidelines on recommended standard licences, datasets and charging for the reuse of documents*

- *Directive 2007/2/EC of the European Parliament and of the Council of 14 March 2007 establishing an Infrastructure for Spatial Information in the European Community (INSPIRE)*

- *"European Cloud Initiative – Building a competitive data and knowledge economy in Europe" (COM(2016) 178)*

# Objective 1 - Overview

- <u>Budget</u>: **2,0 m€**

- <u>Max. funding per action</u>: **n/a**

- <u>Max. co-funding rate</u>: **75% of total eligible costs**

- <u>Pre-financing</u>: **up to 50% of the grant amount**

- <u>Indicative duration of the actions</u>: **up to 36 months**

- <u>Consortium composition</u>: **at least 2 entities from 2 or more Member States, including at least one public sector body**

# Objective 1 – Specifics (1/3)

- Proposed actions should support the re-use of information made discoverable/available through the European Data Portal, as a sole source of information or, where appropriate, in combination with other public or private sources of information

- Solutions must be focused on the end-user (e.g. through the re-use of data providing content to mobile device applications, websites, web services). Solutions aiming at the deployment of new services in innovative ecosystems supported by open platforms, in sectors that are becoming large and important, are encouraged.

# Objective 1 – Specifics (2/3)

- Proposals will have to include a plan for an EU-wide assessment model demonstrating the impacts of the re-used open data

- For this aim, proposals should provide a toolkit for national administrations, in the form of documentation of standard procedures and/or software solutions which might include the processing of open data. The toolkit may also include e.g. harmonised questionnaires, key indicators, for facilitating the ex-post evaluation of the economic and social impacts of the re-use of public-sector information in Europe.

- Proposals should also include a plan for long-term sustainability

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# Objective 1 – Specifics (3/3)

In particular, in relation to the proposed activities, actions will have to address all the following issues:

- Facilitate the re-use of datasets belonging to the same domain and generated by different authorities in cross-border areas
- Address both technical and legal issues,
- Address priority domains as defined in Commission notice 2014/C 240/01 "Guidelines on recommended standard licences, datasets and charging for the reuse of documents"
- Streamline the metadata/data production process and implement a sustainable process to ensure long-term maintenance
- Propose a re-usable (and applicable EU-wide) evaluation and monitoring framework for assessing the impacts of the open data re-used in the action
- Take into account ongoing activities to avoid duplications, and liaise with them where relevant
- Analyse foreseen benefits for citizens and/or businesses as a result of the proposed actions

# Objective 1 - Award criteria (1/2)

## Relevance:

- **Alignment to DSI implementation objectives & activities (WP), e.g.:**

  - *What are the service(s) proposed? Which priority domains do they concern? Does the proposal address ALL the issues listed in the call text?*

  - *What are the use cases, the application area(s) and the concrete services with real users? how do they showcase the use of the services?*

  - *What is the relevant input data?*

- **Alignment to EU/national policies, strategies and activities, including e.g.:**

  - *How the proposal contributes to EU policies on Open data, re-use of public sector information?*

  - *Is the proposal in line with the guidelines on recommended standard licences, datasets and charging for the reuse of documents (Commission notice 2014/C 240/01)?*

# Objective 1 - Award criteria (2/2)

- **Quality & efficiency:**
  - **Maturity** *e.g. is the proposed service ready to be deployed? Will the proposed service be live/operational by the end of the project? Does the service build on existing solutions? If so, what is the state of play of these solutions?*
  - **Coherence/effectiveness of work plan** e.g. *Is there sufficient detail on project management, and risk management? Are the tasks described in sufficient detail? Is the allocation of tasks and resources appropriate? Are the costs justified?*
  - **Quality of consortium/consortium members:** *Are CVs provided with the proposal including relevant experience, qualifications and industry/sector certifications? Is the consortium composition relevant and well-balanced?*
  - **Support from national authorities/industry/NGOs**
  - **Attention to security/privacy/accessibility** (inclusiveness, where relevant)

- **Impact & sustainability:**
  - **Quality of the approach to facilitate wider deployment/take-up of the proposed actions** *e.g. what are the specific dissemination activities to target users? Are other potential users/countries/public administrations etc. well identified? Are there specific training activities (where relevant)?*
  - **Capability of long-term sustainability without EU funding** *e.g. are there business cases to operate the service with the necessary support and maintenance? in case of sub-contracting of core tasks how will the knowledge-transfer be organised?*

# Objective 2 - Overview

- <u>Budget</u>:  **1,5 m€**

- <u>Max. funding per action</u>:  **n/a**

- <u>Max. co-funding rate</u>:  **75% of total eligible costs**

- <u>Pre-financing</u>:  **up to 50% of the grant amount**

- <u>Indicative duration of the actions</u>:  **up to 36 months**

- <u>Consortium composition</u>:  **a minimum of <u>5</u> entities from 5 or more eligible countries**

# Objective 2: Specifics (1/3)

- Proposed actions should create and deploy cross-border services providing access (for viewing and downloading) to harmonised thematic open dataset(s) and their corresponding metadata

- Services can be based on different data sources, such as **geospatial data** provided under INSPIRE, Copernicus, Geostationary Navigation Overlay Service (EGNOS)/Galileo positioning & navigation information, or data provided by citizens and crowd-sourced initiatives, such as OpenStreetMap

# Objective 2: Specifics (2/3)

- *Services must:*
  - be harmonised in terms of data content, level of detail, data structure, vocabularies and licence conditions and have pan-European, or at least cross-border, geographical coverage (min. 5 Member States)
  - be made available through the European Data Portal and documented through metadata in the appropriate harvested catalogues
  - provide value-added information to support specific application areas in priority EU policies (e.g. energy, climate, protection of the environment, sustainable use of natural resources, emergency/disaster management)

# Objective 2: Specifics (3/3)

- By the end of the proposed action, a document outlining the barriers encountered during the creation of the services will be delivered, including recommendations for tools, functionalities or good practices that could facilitate the creation of such services on a larger scale or for other application areas.
- Proposals should include a plan for long-term sustainability

# Objective 2 - Award criteria (1/2)

## Relevance:

- **Alignment to DSI implementation objectives & activities (WP), e.g.:**
  - *What are the service(s) proposed? What is the value-added of the information provided?*
  - *What are the use cases, the application area(s) and the concrete services with real users? how do they showcase the use of the services?*
  - *Are data sources clearly identified?*

- **Alignment to EU/national policies, strategies and activities, including e.g.:**
  - *Does the proposal support* priority EU policies (e.g. energy, climate, protection of the environment, sustainable use of natural resources, emergency/disaster management)?
  - *How does the proposal contribute to EU policies on Open data, re-use of public sector information, INSPIRE?*
  - *Is the proposal in line with EU-level guidelines, recommendations or good practices on licencing, data harmonisation, data structures/formats and* vocabularies?

# Objective 2 - Award criteria (2/2)

- **Quality & efficiency:**
  - **Maturity** *e.g. is the proposed service ready to be deployed? Will the proposed service be live/operational by the end of the project? Does the service build on existing solutions? If so, what is the state of play of these solutions?*

  - **Coherence/effectiveness of work plan** e.g. *Is there sufficient detail on project management, and risk management? Are the tasks described in sufficient detail? Is the allocation of tasks and resources appropriate? Are the costs justified?*

  - **Quality of consortium/consortium members:** *Are CVs provided with the proposal including relevant experience, qualifications and industry/sector certifications? Is the consortium composition relevant and well-balanced?*

  - **Support from national authorities/industry/NGOs**

  - **Attention to security/privacy/accessibility** (inclusiveness, where relevant)

- **Impact & sustainability:**
  - **Quality of the approach to facilitate wider deployment/take-up of the proposed actions** e.g. what are the specific dissemination activities to target users? Are other potential users/countries/public administrations etc. well identified? Are there specific training activities (where relevant)?

  - **Capability of long-term sustainability without EU funding** e.g. are there business cases to operate the service with the necessary support and maintenance? in case of sub-contracting of core tasks how will ... knowledge-transfer be organised?

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# Objective 3 - Overview

- <u>Budget</u>:  **15 m€**

- <u>Indicative funding per action</u>:  **3-5 m€**

- <u>Max. co-funding rate</u>:  **75% of total eligible costs**

- <u>Pre-financing</u>:  **up to 50% of the grant amount**

- <u>Indicative duration of the actions</u>:  **36 months**

- <u>Consortium composition</u>:  **no minimum consortium composition requirements**

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# Objective 3: Expected Outcome

- *Increasing the HPC and data capacities in Europe*

- Outcome of the proposed actions:

  - create **generic access services** increasing the usability of HPC, storage and data management facilities, and enabling the exploitation and the cross-border use of HPC and data for public interest

  - Generic access services will have to be showcased **in concrete services of public interest with real users**

  - proposed actions must also include the **provisioning of HPC and data resources**, including where necessary, the procurement of dedicated HPC, storage and data management infrastructures, and cloud-based services to access such resources and to process the data

  **Difference with previous call:**

  **(2017): services demonstrating the value of HPC+Open Data**

  **(2018): generic access services + user services + provisioning of HPC and Data resources**

# Objective 3: Specifics (1/2)

- Proposals **must** address all of the following:

  - <u>generic access services</u>, and demonstrate that they increase the usability of HPC, storage and data management facilities

  - <u>set of cases</u> in targeted application area(s) and <u>develop end-user driven services of public interest</u>, based on the proposed generic access services

  - identify clearly the relevant data and ensure

    1. seamless access to input data and

    2. relevant datasets (including metadata) generated will be made available as open data - conformant/interoperable with standards relevant to the targeted public services, including for upload onto a national/domain Open Data Portal and the European Data Portal

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# Objective 3 — Specifics (1/2)

- Proposals **must** address all of the following **(2/2)**:

  - demonstrate that the action contributes to the objectives of the European Data Infrastructure, i.e. increasing the uptake of HPC, storage and data management facilities in Europe, and contributing to a new generation of easy-to-use HPC and data-powered cross-border and intelligent services

  - demonstrate the value of using supercomputing resources in the proposed action to analyse and process massive amounts of open data resources.

- Expected applicants include: HPC+data infrastructure providers, large data generators or providers, users, developers of cloud-based access services

- Expected requested contribution between €3 and €5 million

# Objective 3: What is in scope?

- **What IS in scope of the call?**
  - Proposals increasing the HPC and data capacities in Europe, **with generic access services and end-user services, and provisioning of HPC/data capacities**
  - No restrictions on the application domain of the service or input data sets
  - Output (**relevant** data/datasets and metadata):
    - publicly available as open data and,
    - (if applicable) conformant/interoperable with the standards adopted by the targeted public services, including for seamless upload onto a national/domain related Open Data portal and the European Data Portal

- **What IS NOT in scope of the call?**
  - Proposals that do not increase the HPC and data capacity available for users in Europe with additional HPC/data resources and services

# Objective 3 - Award criteria (1/2)

## Relevance:

- **Alignment to DSI implementation objectives & activities (WP), e.g.:**

  - What are the generic service(s) – how do they increase the usability of HPC and data facilities? how do they enable the scalable exploitation and the cross-border use of HPC and data capacities for public interest?

  - What are the use cases, the application area(s) and the concrete services with real users? how do they showcase the use of generic services?

  - What are the new HPC and data resources provisioned? How much and how are they accessed? Are new infrastructures procured? What are the cloud-based services to access resources and to process the data?

  - What is the relevant input data, how is seamless access ensured?

  - How the proposal will contribute to lay down the basis a new generation of HPC and data-powered cross-border and intelligent services?

- **Alignment to EU/national policies, strategies and activities, including e.g.:**

  - How the proposal increases the HPC and data capacities of the European Data Infrastructure and widens the use of HPC (European Cloud initiative: COM(2016)178)

# Objective 3 - Award criteria (1/2)

- ## Quality & efficiency:
  - **Maturity** e.g. are there new services and HPC/data capacities, or builds on an existing one? does the proposal demonstrate that the proposed action is technically mature e.g. diagrammatic representation of the high-level architecture of the solution
  - **Coherence/effectiveness of work plan** e.g. are the HPC resources provisioned adequate for the objectives? Do they justify the the procurement of new resources?
  - **Quality of consortium/consortium members**
  - **Support from national authorities/industry/NGOs**
  - **Attention to security/privacy/accessibility** (inclusiveness, where relevant)

- ## Impact & sustainability:
  - **Quality of the approach to facilitate wider deployment/take-up of the proposed actions** e.g. what are the specific dissemination activities to target users? Are other potential users/countries/public administrations etc. well identified? Are there specific training activities (where relevant)?
  - **Capability of long-term sustainability without EU funding** e.g. are there business cases to operate the service with the necessary support and maintenance? in case of sub-contracting of core tasks how will the knowledge-transfer be organised?

# Other useful information

- **Call webpage:**

  http://ec.europa.eu/inea/en/connecting-europe-facility/cef-telecom/apply-funding/2018-cef-telecom-call-public-open-data

- **Link to the European Data Portal:**

  http://data.europa.eu/europeandataportal

- **Background info on the HPC strategy:**

  http://ec.europa.eu/digital-single-market/en/policies/high-performance-computing

- **Background info on INSPIRE:**

  http://inspire.ec.europa.eu/

# More information on the calls…

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**http://ec.europa.eu/inea/en/connecting-europe-facility/cef-telecom/apply-funding/2018-cef-telecom-calls-proposals**

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*Thank you!*