

This section is completed

Respondent Information

Please fill out all the questions by selecting the answer option by marking it with an "x" in the boxes. If applicable, please provide additional information in the grey text box containing "Please fill your answer here".

Question Answer options

Background information

1 **Country:**
Bulgaria

2 **Organisation:**
State e-Government Agency

3 **Name:**
Svetlogor Kirov

4 **Position/Role:**
Head of Data Department

5 **E-mail:**
skirov@e-gov.bg

4 **Size national open data team (core team members):**
5

5 **FTE(s) national open data team:**
2,875

6 **Annual budget of the national portal:**

| | |
|-------------------------------------|-------------------|
| <input checked="" type="checkbox"/> | <200.000 EUR |
| <input type="checkbox"/> | 200-400.000 EUR |
| <input type="checkbox"/> | 400-600.000 EUR |
| <input type="checkbox"/> | 600-800.000 EUR |
| <input type="checkbox"/> | 800-1.000.000 EUR |
| <input type="checkbox"/> | >1.000.000 EUR |

Barriers to publication and re-use of open data

7 **What are the most frequently encountered barriers to open data publication in your country?**

| | |
|-------------------------------------|------------------------------|
| <input type="checkbox"/> | governance (incl. political) |
| <input type="checkbox"/> | legal |
| <input checked="" type="checkbox"/> | organisational |
| <input checked="" type="checkbox"/> | technical (incl. semantic) |
| <input checked="" type="checkbox"/> | financial |
| <input type="checkbox"/> | other |

Please check the boxes that apply and describe below the main challenges for the publication of open data.

Technical issues related to automaticly exchange of data with administrations that maintain and collect information.

| Main challenges for the publication of open data | | Barrier |
|--|-------------------------------------|------------------------------|
| | <input checked="" type="checkbox"/> | governance (incl. political) |
| | <input type="checkbox"/> | legal |
| | <input type="checkbox"/> | organisational |
| | <input checked="" type="checkbox"/> | technical (incl. semantic) |
| | <input checked="" type="checkbox"/> | financial |
| | <input type="checkbox"/> | other |

8 **What was done in the past year to address these barriers?**

Please check the boxes that apply and describe the measures taken to address these barriers.

We transferred the portal offivially from the Administration of the Council of Ministers to State g-Government Ageny which solve the problem with legal

| Measures to address these barriers | | Barrier |
|------------------------------------|-------------------------------------|------------------------------|
| | <input checked="" type="checkbox"/> | governance (incl. political) |
| | <input checked="" type="checkbox"/> | legal |
| | <input checked="" type="checkbox"/> | organisational |
| | <input type="checkbox"/> | technical (incl. semantic) |
| | <input type="checkbox"/> | financial |
| | <input type="checkbox"/> | other |

9 **What are the most frequently encountered barriers to open data re-use in your country?**

| | |
|-------------------------------------|------------------|
| <input checked="" type="checkbox"/> | low awareness |
| <input checked="" type="checkbox"/> | low availability |
| <input type="checkbox"/> | legal |
| <input checked="" type="checkbox"/> | technical |
| <input type="checkbox"/> | other |

Please check the boxes that apply and describe below the main challenges for the publication of open data.

Low awareness: Insufficient understanding and grasp on the part of citizens and organizations, regarding the functioning of the national portal and access to

| Main challenges for the publication of open data | X | Barrier |
|--|---|------------------|
| | x | low awareness |
| | x | low availability |
| | | legal |
| | x | technical |
| | | other |

10 What was done in the past year to address these barriers?

o Please check the boxes that apply and describe the measures taken to address these barriers.

Low availability: Working under improving the quality and quantity of some priority datasets for the society and business in the country.

| Measures to address these barriers | X | Barrier |
|------------------------------------|---|------------------|
| | | low awareness |
| | x | low availability |
| | | legal |
| | | technical |
| | | other |

End of Respondent Information Section

This section is completed

Dimension 1: Open Data Policy

Please note that this section differentiates between open data policy and open data strategy. Whereas a policy in the sense referred to here can be the transposition of the PSI Directive into national legislation, a strategy refers to a document outlining the concrete vision, mission, objectives, measures to be implemented, timeline and responsible. An open data strategy would ideally include information on the open data governance structure and operating model.

Please fill out all the questions by selecting the answer option by marking it with an "x" in the boxes. If applicable, please provide additional information in the grey text box containing "Please fill your answer here".

Question

Answer options

1.1 Policy framework

1 Is there an open data policy in your country?

| | |
|-------------------------------------|-------|
| <input checked="" type="checkbox"/> | yes |
| <input type="checkbox"/> | no |
| <input type="checkbox"/> | other |

o If yes, please provide the URL and title of the policy document and briefly describe.

o If 'other', please provide a brief explanation to support your answer choice and provide the URL and indicate the policy section which explicitly references open data.

<https://e-gov.bg/wps/portal/agency/home/data/opendata/opendata-legal/opendata-legal-national>
 The policy has been included in the Access to Public Information Act and the Ordinance on the standard terms and conditions for public sector information reuse and its publishing in open format, containing specific provisions regarding publishing and reuse of public information in open format. The Act and the Ordinance settle the social relationships regarding the right of access to public information, as well as the reuse of the public sector information.
 Second Action Plan of the Republic of Bulgaria under the "Open Government Partnership":
<http://www.strategy.bg/Articles/View.aspx?lang=bg-BG&categoryId=&Id=15&y=&m=&d>
 Third Action Plan of the Republic of Bulgaria under the "Open Government Partnership":
<http://www.strategy.bg/PublicConsultations/View.aspx?lang=bg-BG&Id=2130>
 The Fourth Action Plan of the Republic of Bulgaria under the "Open Government Partnership" is under preparation.
<http://www.strategy.bg/Articles/List.aspx?lang=bg-BG&categoryId=17>
 National Reform Program 2020 of the Republic of Bulgaria:
<http://www.strategy.bg/StrategicDocuments/View.aspx?lang=bg-BG&Id=762>
 A draft of Digital Bulgaria 2025 and the Roadmap:
<http://www.strategy.bg/PublicConsultations/View.aspx?lang=bg-BG&Id=3399>
<https://www.mtitc.government.bg/bg/category/85/nacionalna-programa-cifrova-bulgariya-2025-i-putna-karta-kum-neva-sa-prieti-s-rms-no-730-ot-5-dekembri-2019-qodina>

2 Is there an open data strategy in your country?

| | |
|-------------------------------------|----------------|
| <input checked="" type="checkbox"/> | yes |
| <input type="checkbox"/> | no |
| <input type="checkbox"/> | not applicable |

o If yes, please provide the URL to the strategy and describe the main highlights.

o If 'not applicable', please provide a brief explanation to support your answer choice and provide the URL and indicate the policy section which explicitly references objectives, actions/measures, delivery timelines etc.

<http://www.strategy.bg/StrategicDocuments/View.aspx?Id=892>
 Strategy for Development of Electronic Governance in the Republic of Bulgaria 2014-2020
 Roadmap for the implementation of the Strategy for Development of Electronic Governance in the Republic of Bulgaria for the period of 2016-2020
<http://www.strategy.bg/StrategicDocuments/View.aspx?lang=bg-BG&Id=891>
 Strategy for Development of the State Administration 2014-2020
 Roadmap for the implementation of the Strategy for Development of the State Administration 2015-2020
 Bulgarian Open Data Strategy is developed in details in several layers of strategic documents, all of them quoted in the justification section of the previous question:
 1. National documents on good governance and development of the central administration;
 2. National documents on sustainable governance;
 3. National plans for compliance with the strategy Europe 2020.
 In particular, the Bulgarian Open Data Strategy is part of the Strategy for Development of the State Administration 2014-2020 - Strategic Objective Open and accountable governance; Roadmap for the implementation of the Strategy for Development of the State Administration 2015-2020 - Key priority: Developing the Open Government Partnership Initiative and publishing available public information in an open format.
 STRATEGIC GOAL 3. OPEN AND RESPONSIBLE MANAGEMENT
 3.1. Improving data sharing and public awareness, opening data
<https://www.strategy.bg/StrategicDocuments/View.aspx?lang=bg-BG&Id=891>

3 Has this strategy/policy been updated in the past 24 months?

| | |
|-------------------------------------|-----|
| <input checked="" type="checkbox"/> | yes |
| <input type="checkbox"/> | no |

o If yes, please briefly describe the main changes.

<https://e-gov.bg/wps/portal/agency/home/data/pendata/pendata-legal/pendata-legal-national>
New List of priority datasets was adopted in 2020 - Decision No. 435 of the Council of Ministers of 03 July 2020 on the adoption of a List of data sets by priority area to be published in open format on the Open Data Portal where the new data sets are 30.

Updated National Reform Program 2020 of the Republic of Bulgaria:
<http://www.strategy.bg/StrategicDocuments/View.aspx?lang=bg-BG&Id=762>

Updated strategy for development of e-government in the Republic of Bulgaria
<https://www2.e-gov.bg/bg/news/133>
<http://www.strategy.bg/StrategicDocuments/View.aspx?Id=892>
An updated strategy ensures the implementation of the current European principles of e-government, introduced at national level, and builds on the implementation of the objectives after 2018. This Strategy serves as a framework on the basis of which the policy strategies will be created by the relevant administrative bodies and their administrations. The Roadmap for its implementation has also been updated, taking into account the progress made in the implementation of the priorities set so far, as well as the agreements, partnerships and opportunities reached by the administration and its partners for further actions.

- 4 Does the strategy/policy include an action plan with measures to be implemented in the open data field? yes
 no

o If yes, please briefly describe the main measures described by the action plan.

Establish measures for:

- o Amendments in the existing legal framework (APIA and relative Ordinance);
- o Appoint responsible persons (data officers) from each public body for opening and monitoring the usage of their own data;
- o Support public bodies to define their data which to be provided in an open machine readable format;
- o Issue guidelines for defining the structure and content of datasets and metadata;
- o Motivate public bodies to prioritize datasets and to publish in maximum details high value datasets;
- o Develop a channel of communication between public bodies and re-users;
- o Increase citizens' awareness;
- o Initiate activities to explore the opinion of the potential users of the open data portal and promote the portal and priority datasets;
- o Create a forum/working group with all stakeholders in open data process to engage data community
- o Create mechanism for benchmarking of data openness and maturity on national level;
- o Conduct a pilot project for cooperation among institutions for measuring the re-use;
- o Take action to ensure that consumers are confident about the timeliness of the information by introducing mandatory binding of categories of information in the list within the meaning of Article 15a p.3 of APIA with active links to the place of their publication;
- o Develop and validate internal rules / procedures for the maintenance and operation of the Open Data Portal

- 5 Does the strategy/policy outline measures to incentivise the publication of and access to real-time or dynamic data? yes
 no

o If yes, please briefly describe.

Under the eGovernment Act in Article 58a lays down mandatory requirements for the implementation of automated interfaces for ensuring free public access to electronic documents, information and data in a machine-readable format, including through publication in the open data portal, in accordance with the Public Information Access Act to projects and actions in the field of eGovernment. Details are set out in Article 15 of the Ordinance on the general requirements for information systems, registers and electronic administrative services.

According to Art. 15d. from Access to public information act (amend. State Gazette 17/26 Feb 2019) the State Agency "Electronic government" shall create and maintain a portal for open data. The obligation has to be defined further with an ordinance, adopted by the Council of Ministers - Ordinance on the standard terms and conditions of public sector information reuse and its open format publishing on the Open Data Portal.

Art. 7 of the Ordinance reaffirms the implementation of the APIs in the process of publication of data on behalf of the public sector bodies.

- 6 Does the strategy/policy outline measures to support the re-use of open data by the public sector? yes
 no

o If yes, please briefly describe.

Each public sector body shall annually plan the phased publication on the Internet in an open format of the data sets and resources it maintains, access to which it is free. The executive authorities shall include in the annual activity objectives of the relevant administration under Article 33a of the Administration Act aims to ensure the phased publication on the Internet of the data and resources included in the Lists of annual priority data sets.

- 7 Does the strategy/ policy outline measures to support the re-use of open data by the private sector? yes
 no

o If yes, please briefly describe.

The Open Government Partnership is a multilateral initiative aimed at securing concrete commitments by governments to promote transparency, empower citizens, fight corruption and use new technologies to strengthen governance. There are four reports to measure the progress of the Initiative.
<http://www.strategy.bg/Articles/List.aspx?lang=bg-BG>

8 Does the strategy/policy mandate carrying out and maintaining a data inventory by public bodies, whether at national or local levels?

yes
 no

o If yes, please briefly describe.

According to Art. 15a. from Access to public information act
Publication on the Internet
Each head of an administrative structure as per Article 15 Paragraph (1) shall make public on an annual basis a list of the categories of information publishable on the Internet regarding the areas of operation of the relevant administration as well as the formats in which such information is accessible.
Examples:
https://crc.bg/files/15ZDOI_17.02.2020.pdf
<https://www.minfin.bg/bg/1121>
https://earbd.bg/indexdetails.php?menu_id=80&elem_id=1618
https://new.riewpz.org/upload/file/zdoi/aktualiziran_spisak_kategorii%20Inf_chl.15a_al3_zdoi.pdf
<http://rilanationalpark.bg/assets/userfiles/%D0%92%D0%AA%D0%A2%D0%A0%D0%95%D0%A8%D0%9D%D0%98%20%D0%9F%D0%A0%D0%90%D0%92%D0%98%D0%9B%D0%90/%D0%A1%D0%BF%D0%B8%D1%81%D1%8A%D0%BA%20%D0%BD%D0%B0%20%D0%BA%D0%B0%D1%82%D0%B5%D0%B3%D0%BE%D1%80%D0%B8%D0%B8%D1%82%D0%B5%20%D0%B8%D0%BD%D1%84%D0%BE%D1%80%D0%BC%D0%B0%D1%86%D0%B8%D1%8F%2C%20%D0%BF%D0%BE%D0%B4%D0%BB%D0%B5%D0%B6%D0%B0%D1%89%D0%B0%20%D0%BD%D0%B0%20%D0%BF%D1%83%D0%B1%D0%BB%D0%B8%D0%BA%D1%83%D0%B2%D0%B0%D0%BD%D0%B5%20%D0%B2%20%D0%B8%D0%BD%D1%82%D0%B5%D1%80%D0%BD%D0%B5%D1%82.pdf>
http://www.breznik.info/index.php?option=com_content&view=article&id=818&Itemid=68
https://www2.aop.bg/wp-content/uploads/2020/02/Zapoved_PD_9_14022020.pdf

9 If yes, do these data inventories also include the data collected by public bodies that cannot be published as open data?

yes
 no

o If yes, please briefly describe.

They included part of information like legislative acts, organograms and other information is public information but is not public sector information for re-use. Indeed the provision of public sector information to a public sector body in connection with the implementation of the powers or functions thereof shall not constitute re-use within the meaning given by the Access to Public Information Act. The list of categories of information in Internet contains both types of information.

10 Have high-value domains and/ or data sets been identified and prioritised for publication in your country?

yes
 no
 not applicable

o If yes, which are these domains / data sets?

Please mark the domains below, in line with the DCAT-AP Categories described in Annex I.

If the list refers to data sets, please map the data sets to their respective domains below.

| Please mark the domains below and map the data sets to their respective domains. | |
|--|---|
| Data category | <input checked="" type="checkbox"/> Data set name |
| Agriculture, fisheries, forestry, food | <input checked="" type="checkbox"/> List of sites for the purchase of wild mushrooms and/or berries (https://data.egov.bg/data/resourceView/0645ecfb-c44c-4579-8282-ee57dbc6c8b5) |
| Education, culture and sport | <input checked="" type="checkbox"/> Average success from the national external evaluation – 7 grade on subjects in points for 2019 (https://data.egov.bg/data/resourceView/ef1f9091-b2f3-416a-a29f-eb6bd8ed4da3) |
| Environment | <input checked="" type="checkbox"/> Register of issued permits for use of surface waters and water bodies according to the Water Act (https://data.egov.bg/data/resourceView/67a2f300-837f-45bb-b628-033165af09ba) |
| Energy | <input checked="" type="checkbox"/> Register of existing concessions for extraction of mineral resources (https://data.egov.bg/data/resourceView/52a85f74-0c67-47c5-8726-b398f90df621) |
| Transport | <input checked="" type="checkbox"/> Registered vehicles (https://data.egov.bg/organisation/c3305229-9a50-48de-99c9-2e1028e8eb8b/datasets) |
| Science and technology | <input checked="" type="checkbox"/> Register of persons performing maintenance, repair and reconstruction of high-risk facilities (https://data.egov.bg/data/resourceView/b7b53704-400b-487c-a0ca-f6eb80a08bdb) |
| Economy and finance | <input checked="" type="checkbox"/> Commercial register (https://data.egov.bg/organisation/b93a0a74-4f8d-430a-884c-35e68c2d05b8/datasets) |
| Population and social conditions | <input checked="" type="checkbox"/> Population by sex, residence, districts and municipalities (56d643bf-60cb-48a7-843a-079e5e213c0f) |

| | | |
|--------------------------------------|---|--|
| Government, public sector | x | Information on amendments to public procurement contracts or framework agreements during their implementation (https://data.egov.bg/data/resourceView/834cd24e-13b7-46f3-9f7f-2c610f0d25b7) |
| Health | x | Register of medical establishments for primary outpatient dental care (https://data.egov.bg/data/resourceView/6335fb0d-0945-40bd-9039-4b8f96b1ef15) |
| Regions, cities | x | Register of categorized restaurants and accommodation (https://data.egov.bg/data/resourceView/36a01ef4-7dbc-40b7-b31e-827a6590e614) |
| Justice, legal system, public safety | x | Register of declarations under the Anti-Corruption Act and for confiscation of the illegally acquired property of Sofia Municipality (https://data.egov.bg/data/resourceView/00c5836e-6327-4a02-8db2-81e396759db1) |
| International issues | | |
| Other (please specify) | | |

11 Are there measures in place to assist other stakeholders' involvement in this prioritisation process?

- yes, regular consultations
 yes, other measures
 no

o If 'yes, other measures', please specify.

We prepared a survey as an implementation of activity No 3 of project BG05SFOP001-2.001-0001 "Improving the processes related to the provision, access and re-use of public sector information" funded by OP "Good governance" in the end of 2019. The project aims to support the open-data publishing process by identifying and prioritizing those that are of greatest interest to citizens and businesses. As a result of the performance of the activities under this contract, the contractor should submit a report including:

1. analysis of the results of the national representative survey carried out among the two target groups;
2. identified 500 sets of data from the respondents in the national representative survey;
3. identified 150 sets of the 500s of greater public relevance;
4. identified the 15 most common major issues in re-use of public sector information.

<https://e-gov.bg/wps/portal/agency/home/data/opendata/opendata-activities/opendata-consult>
<http://www.strategy.bg/Publications/View.aspx?lang=bg-BG&Id=298>

Align with the survey mentioned above State e-Government Agency used EU Survey Platform for another survey among citizens and businesses on the degree of importance, priority and social significance of data sets
https://ec.europa.eu/eusurvey/runner/HVDList_DCoM2020

Based on the both survey's results, the identified top 30 datasets with high priority in the country we included in the next Decision of the Council of Ministers in 2020, adopted on the ground of APIA art. 15b (3), according to which "The Council of Ministers shall annually, on the proposal of the Chairperson of the State Agency "Electronic government", adopt a list of data sets to be published in open format on the Internet".

1.2 Governance of open data

12 Is there a governance structure in place that enables the participation and/or inclusion of various open data stakeholders?

- yes
 no

o If yes, please briefly explain how this participation is ensured.

State e-Government Agency is such structure in the country. Data Department in State e-Governemtn Agency is National Open Data Coordinator. There are Data Officers in every administration, working groups, informal Open Data Forum Group and good national coordination policy.

13 Are the governance structure and its operating model published online and accessible to the public?

- yes
 no

o If yes, please provide the URL where this information is published.

https://e-gov.bg/bg/about_us/structure
<https://e-gov.bg/bg/142>

14 Does the governance structure assist data providers with their open data publication process?

- yes
 no

o If yes, please specify.

Article 7c of the Electronic Government Act provides for that the Chairperson of the State e-Government Agency (SEGA) must issue methodical guidelines and support the administrations in the defining of the structure and contents of the sets of data to be published on the Open Data Portal of the Republic of Bulgaria under the Access to Public Information Act.

There are Trainings <https://www.ipa.government.bg/en/node/313>, Technical Documents <https://e-gov.bg/wps/portal/agency/home/data/opendata/opendata-docs>, also Help Desk. <https://e-gov.bg/bg/145> State e-Government Agency is the main administrator of the National Open Data Portal and manages data providers' profiles and roles of other agencies and assists them in publication process on daily basis.

- 15 Does the governance model include the appointment of official roles in civil service that are dedicated to open data (e.g., data officers / stewards)? yes
 no

o If yes, please describe how this task is fulfilled at public body level (e.g. the data steward is the data officer, or communications officer or a separate role was defined).

Pursuant to Article 8, paragraph 3 of the Ordinance on the standard terms and conditions for public sector information reuse and its publishing in open format the heads of public sector bodies designate officials - administrators of profiles (Data Officers) who upload the data for the organization concerned and publish the information of the Open Data Portal. This figure is a version of the role of "data officer" in the public sector bodies. A draft of ordinance is prepare, where we clarify the duties of the data officer and the term "administrator of profile" is to be replaced with "data officers".

The governance model also includes working group activities, online meetings/communication between administrators of profiles and state for: reports with questionnaires addressed to administrators of profiles; feedback, problems and communication via emails; online support from the main administrator of the National Open Data Portal.

<https://e-gov.bg/wps/portal/agency/home/data/opendata/opendata-legal/opendata-legal-national/data-opendata-naredba>

- 16 Are all the open data initiatives (local/ regional/ national) facilitated and supported at the national level? yes
 no
 not applicable

o If not applicable, please briefly explain why.

Please fill your answer here.

- 17 What is the model used for governing open data in your country? top-down
 bottom-up
 hybrid

o Could you briefly describe why this model was chosen/ works best for your country?

A centralized approach is chosen because it helps the efficient implementation of the open data policy. It allows SEGA to track difficulties encountered by data publishers and data users which leads to a faster improvement throughout the received feedback from data users.

Strong central coordination is used for creating basic administrative capacity in the leading administration in conducting the open data policy.

As a result from coordinated and joint work led by the State e-Government Agency, only a key expert from each administration is involved in the open data processing of the respective public body. This will reduce the administrative burden in other administrations.

Public bodies use a single person of contact regarding open data in the State e-Government Agency.

- 18 Does the national open data policy incentivise and support open data initiatives at local or regional level? yes
 no
 not applicable

o If yes, please briefly describe what the support activities consist of.

o If not applicable, please briefly explain why.

Usually open data initiatives started and coordinated on national level.

- 19 To what degree do local / regional public bodies conduct open data initiatives? All public bodies
 The majority of public bodies
 Approximately half of the public bodies
 Few public bodies
 None of the public bodies

- 20 Is there a regular exchange of knowledge or experiences between the different public sector bodies active in the open data field? yes
 no

o If yes, please briefly describe how this exchange takes place and provide evidence supporting your answer (e.g. meeting agendas, URLs to news items).

The main public stakeholders, such as State e-Government Agency, Council of Ministers, Ministry of the transport and information technologies of Bulgaria, etc., are involved in the so called "working groups". This form of organization allows them to be in constant and interrupted relation through the year. Members of this groups from the different public bodies, are the recognized in the field of re-use of public sector information and open data state experts.

Besides that, the participants in those working groups exchange information several times per year via e-mail. Main topics to be discussed are:

- o reports/questionnaires, to be prepared;
- o ask specific questions;
- o spread updated information among main administrators on accounts of public sector bodies who are registered users of the Open Data Portal, which they use for sharing their data
- o defined new high priority datasets with structures and deadlines for publications
- o activities due to the new Directive of Open data and the list with high priority datasets in the 6 categories

21 Is there a regular exchange of knowledge or experiences between public sector bodies and open data re-users? yes no

o If yes, please briefly describe how this exchange takes place and provide evidence supporting your answer (e.g. meeting agendas, URLs to news items).

We worked fragmentary (by invitation) with the re-users of the high priority datasets in three categories: education, transport and companies and company ownership. We have regular meetings with data owners and data re-users of these three categories with agendas and minutes. Some of the meetings were on place other were online. After these meetings we had as a result more high priority datasets in an open mashinereadable formats which will be publish till the end of 2020.

Regular meetings with bigger group of re-users at the sametime will start from September 2020. Will be meetings on every 3 months with about 50 participants from business, NGOs, universities and citizens. At the moment organization process is started.

22 Are there annually held national, regional or local events (e.g. hackathons, conferences, users meet-ups) to promote open data in your country? yes, >9 yes, 6-9 yes, 3-5 yes, 1-2 no

o If yes, please provide a few examples (e.g. title, date, location of the event and URL).

Open Data Conference - Challenges and Opportunities for Development
<https://www.bnr.bg/post/101203370/konferencia-na-tema-otvorenite-danni-predizvikelstva-i-vazmojnosti-za-razvitie-v-sofia>
 Datathon 2020
<https://www.datasciencesociety.net/datathon/>
 Different Meetings online and on place

<http://www.space.bas.bg/SES/>
<http://esribulgaria.com/>
<https://cartography-gis.com/>
[https://www.bia-bg.com/news/view/27366/](https://www.nsi.bg/bg/content/8524/%D0%BD%D1%81%D0%B8-%D1%81%D1%82%D0%B0%D1%80%D1%82%D0%B8%D1%80%D0%B0-%D0%B8%D0%BD%D1%82%D0%B5%D1%80%D0%BD%D0%B5%D1%82-%D1%81%D1%82%D1%80%D0%B0%D0%BD%D0%B8%D1%86%D0%B0-%D0%B2%D1%8A%D0%B2-%D0%B2%D1%80%D1%8A%D0%B7%D0%BA%D0%B0-%D1%81-96-%D1%82%D0%B0-%D0%BA%D0%BE%D0%BD%D1%84%D0%B5%D1%80%D0%B5%D0%BD%D1%86%D0%B8%D1%8F-%D0%BD%D0%B0-%D1%80%D1%8A%D0%BA%D0%BE%D0%B2%D0%BE%D0%B4%D0%B8%D1%82%D0%B5%D0%BB%D0%B8%D1%82%D0%B5-%D0%BD%D0%B0)

23 Who organises most open data related events? Multiple answers are possible. National public bodies Local or regional public bodies Civil society/universities/non-profit Private sector A mix of the above I don't know

1.3 Open data implementation

24 Is there a guidebook at national level to assist data providers in their publication process? yes no

o If yes, please provide the URL and briefly highlight the key aspects covered.

Technical Guidelines and Instructions for uploading data sets in open format on the National Open Data Portal (<http://www.strategy.bg/FileHandler.ashx?fileId=7339>)
 Instruction for installing the Automated Data Input Tool (<https://data.egov.bg/document/view/6>)
 User instructions for the Open Data Portal (<https://data.egov.bg/help>)
 Instructions for the main administrators, roles and functions of the Open Data Portal
<https://e-gov.bg/wps/portal/agency/home/data/opendata/opendata-docs>

25 Are there data publication plans in place at national/regional/local or public body level? yes no

o If yes, please provide some examples of such publication plans.

o Each year, since the Directive 37/2013/EU was implemented in the national legislative framework, the Council of Ministers adopts action plans for gradual opening of the numerous datasets in prioritised fields. This action plans are in the form of a Decision of the Council of Ministers, which includes also the list of datasets to be published in the current year by the public bodies. So far, the adopted decisions are as follows: Decision No. 103 of the Council of Ministers (CoM) dated 17 February 2015 on approving the List of data sets by priority area to be published in open format;
o Decision No. 214 of the Council of Ministers dated 25 March 2016 on approving the List of data sets by priority area to be published in open format;
o Decision No. 897 of the Council of Ministers dated 21 October 2016 on amending and supplementing of Decision No. 214 of the CoM dated 25 March 2016
o Decision No. 436 of the Council of Ministers of 04 August 2017 on the adoption of a List of data sets by priority area to be published in open format on the Open Data Portal
o Decision No. 54 of the Council of Ministers of 01 February 2019 on the adoption of a List of data sets by priority area to be published in open format on the Open Data Portal
Decision No. 435 of the Council of Ministers of 03 July 2020 on the adoption of a List of data sets by priority area to be published in open format on the Open Data Portal
<https://e-gov.bg/wps/portal/agency/home/data/opendata/opendata-legal/opendata-legal-national>

26 Are there any processes run at national level to ensure that the open data plans/strategy are implemented (e.g., monitoring)?

yes
 no

o If yes, please specify the process(es).

State e-Government Agency prepare annual reports to track progress of data publication against these plans. Each administration fulfill online form for its progress which form is verified from SEGA employee. We monitor if: 1. Administration is published new datasets in open machine-readable format for the relevant year; 2. Datasets are included to annual priority lists or are published proactively from the administrations; 3. Datasets are included in approved schedule for publishing or not; 4. Datasets are published on time, with delay or are not published at all.
In 2020 there is focus on identification of High Value Dataset List based on Sixth Priority Categories which will be publish in the beginning of 2021 on EU level. We worked actively to identify datasets in every category, chacking for legislation barrier on nation level about their publication and trying to facilitate the publication process in advance.

27 If yes, would you describe the status of implementation as satisfactory/neutral/unsatisfactory?

Satisfactory
 Neutral
 Unsatisfactory

o If unsatisfactory, please briefly describe why.

Please fill your answer here.

28 Are there any processes in place to asses if public sector bodies are charging for data above marginal cost?

yes
 no
 I don't know

29 If yes, to what degree is data provided by public sector bodies free of charge?

All datasets
 The majority of datasets
 Approximately half of the datasets
 Few datasets
 None of the datasets

30 If not all datasets, how has this degree changed compared to the previous year?

All datasets or increased
 no change
 decreased

31 Are local/regional data sources discoverable via the national portal?

yes
 no
 not applicable

o If not applicable, please briefly explain why.

Please fill your answer here.

32 If yes, to what degree are existing local/regional sources harvested?

All datasets
 The majority of datasets
 Approximately half of the datasets
 Few datasets
 None of the datasets

o If less than the majority of existing sources is harvested by the national portal, please briefly explain why.

Please fill your answer here.

33 Are there activities conducted at national level to assist real-time and/or dynamic data holders in their publication process?

yes
 no

o If yes, please provide some examples of such activities.

In the Ordinance on the general requirements for information systems, registers and electronic administrative services to the Electronic Government Act as a mandatory requirement is introduced to ensure API interfaces for automated presentation of data sets in open form on the Open Data Portal upon the development of any information systems and registers
<https://data.egov.bg/document/view/1>
<https://data.egov.bg/document/view/6>

34 Is there a professional development or training plan for civil servants working with data?

| | |
|-------------------------------------|-----|
| <input checked="" type="checkbox"/> | yes |
| <input type="checkbox"/> | no |

o If yes, please briefly describe these training activities.

The Institute of Public Administration in the period from June 2019 to May 2020 organized the following trainings:

Analysis and Visualisation of Databases -7 groups with 111 trainees.

Improving the internal processes and the interaction in the administration through electronic management (basic module)-6 groups with 328 trainees.

Information and network security in support of public administration reforms -7 groups with 442 trainees.

Planning and organization of electronic administrative services --6 groups with 293 trainees.

Public authorities in an electronic environment-1 groups with 15 trainees.

Open data in government-1 groups with 21 trainees.

Access to public information-2 groups with 55 trainees.

Public consultations and civic engagement-2 groups with 39 trainees.

35 If yes, do these training activities offer a publicly recognised certification and are they formally recognised as professional development training within the public bodies?

| | |
|-------------------------------------|-----|
| <input checked="" type="checkbox"/> | yes |
| <input type="checkbox"/> | no |

o If yes, please briefly describe how this is done.

Trainings are organized from the Institute of Public Administration, which is the official organization for trainings and educations for civil servants/employees and has right to certify them.

<https://www.ipa.government.bg/bg/misiya-viziya-i-strategicheski-celi#>

End of Dimension 1: Open Data Policy

This section is completed

Dimension 2: Open Data Impact

Assessing the impact of open data is still generally considered a new field, with no consensus, for example, on the definition, or methodologies to measure impact. Nonetheless there are several elements that are considered essential to demonstrating impact, first and foremost monitoring mechanisms, but also proxies of impact – such as the degree of re-use of published open data. The impact dimension in this questionnaire captures these elements. The re-use examples of each section (political, social, environmental, economic) help infer a degree of open data impact in the respective field. The countries are encouraged to provide, whenever possible, new examples of re-use for each section. This will also provide a good indication for the EDP and the questionnaire respondents themselves of an increase in reuse of data from certain domains compared to previous year(s). Please note that the scoring will also take the diversity in examples vs previous year(s) into account.

Please note that although the impact dimension sets a strong focus on open data re-use cases, the European Data Portal does not consider the availability of re-use examples as a direct evidence of impact.

Please fill out all the questions by selecting the answer option by marking it with an "x" in the boxes. If applicable, please provide additional information in the grey text box containing "Please fill your answer here".

| Question | Answer options |
|--|--|
| 2.1. Strategic awareness | |
| <p>1 Do you observe a trend in the public bodies in your country to increase measuring the re-use of their own data and of other public sector bodies' data?</p> <p><i>o If yes, what activities / efforts have you observed within public bodies that support your observation?</i></p> <div style="border: 1px solid black; padding: 5px;"> <p><i>We working on:</i></p> <ul style="list-style-type: none"> <i>o Creating methodology for benchmarking of data openness and maturity on national level;</i> <i>o Conducting pilot project for cooperation among 20 institutions for measuring the re-use;</i> </div> | <p><input type="checkbox"/> yes, there is a strong focus</p> <p><input checked="" type="checkbox"/> yes, but the focus is limited</p> <p><input type="checkbox"/> no, no focus</p> |
| <p>2 Are there any processes run by public bodies to measure the re-use of their own data and of the data re-used from other public bodies (e.g., monitoring)?</p> <p><i>o If yes, please briefly describe these processes and provide the URLs to support the answer.</i></p> <div style="border: 1px solid black; padding: 5px;"> <p><i>Consultation on High Value Datasets to citizens and businesses on the degree of importance, priority and public significance of datasets</i></p> <p><i>https://e-gov.bg/wps/portal/agency/news/news-details/news29</i></p> <p><i>https://ec.europa.eu/eusurvey/runner/HVDList_DCoM2020</i></p> </div> | <p><input checked="" type="checkbox"/> yes</p> <p><input type="checkbox"/> no</p> <p><input type="checkbox"/> I don't know</p> |
| <p>3 Are there activities in place to support and incentivise public bodies in measuring the re-use of their own or other public bodies' open data (e.g., monitoring)?</p> <p><i>o If yes, please briefly describe these activities and provide the URLs to support the answer.</i></p> <div style="border: 1px solid black; padding: 5px;"> <ul style="list-style-type: none"> <i>o Amendments in the existing legal framework (APIA and relative Ordinance);</i> <i>o Appoint responsible persons (data officers) from each public body for opening and monitoring the usage of their own data;</i> <i>o Support public bodies to define their data which to be provided in an open machine readable format;</i> <i>o Issue guidelines for defining the structure and content of datasets and metadata;</i> <i>o Motivate public bodies to prioritize datasets and to publish in maximum details high value datasets;</i> <i>o Develop a channel of communication between public bodies and re-users;</i> <i>o Increase citizens' awareness;</i> <i>o Initiate activities to explore the opinion of the potential users of the open data portal and promote the portal and priority datasets;</i> <i>o Create a forum/working group with all stakeholders in open data process to engage data community</i> <p><i>Activities are started or planned to be done in the next 1-2 years.</i></p> </div> | <p><input checked="" type="checkbox"/> yes</p> <p><input type="checkbox"/> no</p> <p><input type="checkbox"/> I don't know</p> |
| <p>4 Do you observe a trend in the public bodies in your country to increase measuring the re-use of their own data by the public?</p> <p><i>o If yes, what activities / efforts have you observed within public bodies that support your observation?</i></p> <div style="border: 1px solid black; padding: 5px;"> <p><i>Consultation on a study focused on open data and their practical application aiming to improve the processes related to the formulation, implementation and monitoring of policies and legislation, as well as for obtaining and analyzing feedback on the level of awareness and usability of open data in the country</i></p> <p><i>https://e-gov.bg/wps/portal/agency/home/data/opendata/opendata-activities/opendata-consult</i></p> <p><i>https://e-gov.bg/wps/portal/agency/news/news-details/open-data-news</i></p> <p><i>https://online.marketlinks.bg/panel/survey/e064cba7f0b6fc454fba067dd49e7c79/</i></p> <p><i>https://ec.europa.eu/eusurvey/runner/HVDList_DCoM2020</i></p> </div> | <p><input checked="" type="checkbox"/> yes, there is a strong focus</p> <p><input type="checkbox"/> yes, but the focus is limited</p> <p><input type="checkbox"/> no, no focus</p> |
| <p>5 Are there any processes run by public bodies to measure the re-use of their own data by the public (e.g., monitoring)? For example by web-analytics from the national portal.</p> | <p><input checked="" type="checkbox"/> yes</p> <p><input type="checkbox"/> no</p> |

I don't know

o If yes, please briefly describe these processes and provide the URLs to support the answer.

o Usage of Open Source Software (Google Analytics) to monitor number of downloads, the number of views for datasets, number of changed datasets, number of linked datasets, number of links to new apps based on published datasets, etc.

- 6 Are there activities in place to support and incentivise public bodies in measuring the re-use of their own data by the public (e.g., monitoring)?

yes
 no
 I don't know

o If yes, please briefly describe these activities and provide the URLs to support the answer.

We are working on creating a methodology to measure the impact of open data.

- 7 Do you have a definition of the impact of open data in your country?

yes
 no

o If yes, how do you define the impact of open data in your country? Please provide a URL to a public

Open Data Impact cover the activities carried out to monitor and measure open data re-use and the impact resulting from the re-use in the political, social, environmental and economic areas. This impact increasing transparency, accountability, government efficiency, government effectiveness, inclusion of marginalised groups, raising awareness and can help address a number of issues in various areas.

<https://e-gov.bg/wps/portal/agency/home/data/opendata/opendata-additionalinfo>

- 8 If yes, do you have a methodology in place to measure the impact of open data?

yes
 no

o If yes, please briefly describe the key points of this methodology.

Please fill your answer here.

2.2 Political impact

- 9 Have you or other public bodies performed any activities in the past year to monitor the political impact of open data?

yes
 no
 I don't know

o If yes, please provide examples and the URLs to support your answer.

Via the Project Open Data and Citizens Participation: mechanisms to foster interaction between administration, citizens and business of NGO Link under supervision of State e-Government Agency. The project aims to develop a citizen's engagement pattern based on open data including administration, citizens and business as well as to analyse the open data policy in Bulgaria to open and responsible governance. The project targets the "suppliers of data": national, regional and local administrations published data in Open Data Government Portal and "users of data": NGOs, businesses and general public. In order to attain the objectives set project activities are organized in four main areas: 1) the research activities include economic, statistic and public opinion analysis; 2) the monitoring activities – developing a citizen's engagement pattern based on open data; 3) the sharing activities to exchange experience and knowledge between suppliers and users of open data; 4) the information activities to increase public awareness about open data opportunities to monitor public policies. The expected results are 6 analytical products: methodology for analysis of open data policies; Analysis with recommendations; Public opinion research and report; Citizen's engagement pattern based on open data with the implementation recommendations; Needs analysis to work with open data; Analytical framework for information sharing activities. As a result of all analyses of the project NGO Links will make 3 recommendations in the Open Government Partnership process in the area of the prioritising open data publishing; improve capacity of suppliers and users tor work with data and implementation a citizen's engagement pattern based on open data. The recommendation will be proposed to include in National Action Plan for Open Government Partnership.

<http://opendata.ngolinks.eu/>

<http://www.ngolinks.eu/>

<https://www.eufunds.bg/bg/opgg/node/741>

https://www.eufunds.bg/sites/default/files/uploads/opgg/docs/2019-01/%D0%A1%D0%BF%D0%B8%D1%81%D1%8A%D0%BA_%D0%BE%D0%B4%D0%BE%D0%B1%D1%80%D0%B5%D0%BD%D0%B8_%D0%B7%D0%B0_%D1%84%D0%B8%D0%BD%D0%B0%D0%BD%D1%81%D0%B8%D1%80%D0%B0%D0%BD%D0%B5.1.pdf

- 10 Has open data had a low/medium/high impact on increasing government efficiency, e.g. reducing operational costs? Please provide examples of how open data that has been used to develop applications on the topic.

high
 medium
 low
 I don't know

o If yes, please provide examples and the URLs to both the data sets and the respective use cases to support your answer.

Working Group with representatives from State e-Government Agency, Association of Car Manufactures and Ministry of Interior after several online meetings selected a new high value dataset "Summary reports for initially registered vehicles during the past one-month period for: number of registered vehicles for a period, divided into new, used and others, by brand, model and category". Dataset is part of New List of priority datasets was adopted in 2020 - Decision No. 435 of the Council of Ministers of 03 July 2020. This dataset is available after paying high taxes and was charged over marginal costs. Now will be available for free in open machine-readable format. Data will be combined with those published on:
<https://data.egov.bg/organisation/dataset/620585af-8ecd-48be-aadc-cace587d90df>
 Another application will be based on: https://vizia.sofia.bg/wp-content/uploads/2019/03/Danni_SO.pdf
 Before the end of 2020 working group will structure and make available on the National Open Data Portal several datasets from Mobility Category which will be published under open licences.

11 Has open data had a low/medium/high impact on increasing government effectiveness, e.g. improving quality of service delivery? Please provide examples of how open data that has been used to develop applications on the topic.

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | high |
| <input type="checkbox"/> | medium |
| <input type="checkbox"/> | low |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to both the data sets and the respective use cases to support your answer.

Digital Transformation Strategy for the city of Sofia
 A platform for smart growth
<https://innovativesofia.bg/wp-content/uploads/2020/06/Digital-Transformation-Strategy-for-Sofia-Final-accepted-ENG.pdf>
https://vizia.sofia.bg/wp-content/uploads/2019/03/Danni_SO.pdf
<https://data.egov.bg/organisation/f0c5ff67-6741-468e-a8bf-398d155a9398/datasets?&page=2>
 All new applications in the field of social policy, transport, administrative services have reduced other operating costs after the construction of GIS, portals and mobile applications.
https://www.sofia.bg/web/guest/news/-/asset_publisher/1ZIMReQfODHE/content/id/7907946
<https://www.sofia.bg/mobile-applications>
 Best example is also Covid statistical information in the country updated in real time every day
<https://data.egov.bg/covid-19?section=8&item=26>
<https://app.coronavirus.bg/>
<https://data.egov.bg/covid-19?section=8&subsection=18>
<https://data.egov.bg/covid-19?section=8&subsection=18&item=43>

12 Has open data had a low/medium/high impact on increasing transparency and accountability in your country? Please provide examples of how open data that has been used to develop applications on the topic.

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | high |
| <input type="checkbox"/> | medium |
| <input type="checkbox"/> | low |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to both the data sets and the respective use cases to support your answer.

Application about accidents based on following information:
 Information on dead and wounded by districts and months
<https://data.egov.bg/organisation/dataset/4bc3917c-b7b9-4b81-8891-fadde5eaea66>
 Information about serious road accidents (with victims) by district
<https://data.egov.bg/organisation/dataset/e8b7a643-8073-4ff9-8dbe-8ceec5173816>
 Information on deaths and injuries by age groups and type of participant in road accidents
<https://data.egov.bg/organisation/dataset/e9660b84-76a6-4158-9bc9-7a6e3190c99a>
 Another application will be based on Information on payments in SEBRA - National Fund to the Minister of Finance:
<https://data.egov.bg/organisation/dataset/418b0686-7b79-4234-b911-244143a19ada>
 There is application based on Covid-19 information.
<https://data.egov.bg/organisation/dataset/418b0686-7b79-4234-b911-244143a19ada>
<https://app.coronavirus.bg>

13 Is open data used in policy-making processes in your country (i.e. are public administrations making use of the data as evidence for the problem identification and policy formulation)?

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | yes |
| <input type="checkbox"/> | no |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to support your answer.

A public register of the Chamber of Independent Appraisers in Bulgaria in connection with activities with the disposal of State Property.

http://public.ciab-bg.com/index.php?action=registrar&setElsPerPage=50&account_type=personal

The most frequently used open data are related to air pollution:

<https://air.sofia.bg/>;

<https://airbg.info/>;

<http://eea.government.bg/airq/bulletin.jsp>, etc.

The aim is to improve the strategy, measures and actions on air pollution.

<https://www.minfin.bg/bg/792>

<https://www.minfin.bg/bg/transparency>

The Ministry of Finance uses open government. The site has a scope of published daily information on budget payments and a link to an open data portal (ODP). Information on payments in Sebra and other payments by day can be seen.

<https://www.eufunds.bg/bg/oprd/node/2816>

Socio-economic analysis of the regions in the Republic of Bulgaria, made by the Ministry of Regional Development and Public Works.

https://sofia.bg/news-green-sofia/-/asset_publisher/4idzYXo8seTD/content/22-senzorni-stancii-pokazvat-danni-za-kacestvoto-na-v-zduha-v-sofia-crez-internet-platforma/pop_up?_101_INSTANCE_4idzYXo8seTD_viewMode=print&_101_INSTANCE_4idzYXo8seTD_languageId=bg_BG<https://platform.airthings-project.com/>

Measurements from stations in real time are transmitted to a cloud platform for storage, visualization and subsequent analysis. Everyone can check the current readings of the stations and the condition of the various pollutants, as well as the history of readings from the last 14 days. A quick look gives an idea of the air quality around the respective station through an air quality index.

- 14 Is open data used in decision-making processes in your country (i.e. are public administrations making use of the data as evidence to be included in their daily operations)?

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | yes |
| <input type="checkbox"/> | no |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to support your answer.

As part of the daily work in the administration, open data are not used but are useful for consulting employees from other directorates who have no access to certain data from another directorate.

These are the data used in the councils and committees of the regional administration Gabrovo (regional transport scheme, the register of military monuments, the dam register, the State Property Register).

On registration of persons performing activities related to the provision of medical devices and auxiliary tools, facilities and facilities for persons with disabilities shall be checked in the Commercial Register of company data.

These are the data used in the councils and committees of the regional administration Gabrovo (regional transport scheme, the register of military monuments, the dam register, the State Property Register).

On registration of persons performing activities related to the provision of medical devices and auxiliary tools, facilities and facilities for persons with disabilities shall be checked in the Commercial Register of company data.

<https://www.mrrb.bg/bg/zam-ministur-valentin-jovev-v-intervyu-za-vestnik-24-chasa-vsichko-koeto-si-byahme-postavili-za-cel-prez-2017-g-veche-e-postignato/>

At the moment on the basis of statistics from open data reorganizations are made in the work of administration, schools, hospitals and business.

<https://app.coronavirus.bg/>

<https://data.egov.bg/covid-19?section=8&subsection=10&item=29>

<https://coronavirus.bg/arcgis/apps/opsdashboard/index.html#/ecacd239ee7e4fba956f7948f586af93>

Transport situation

<http://www.api.bg/bg/promeni>

<https://lima.api.bg/mobile/about>

- 15 Are there civil society initiatives that are open data driven and aim to tackle a problem identified in the political field?

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | yes |
| <input type="checkbox"/> | no |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to support your answer.

The NGO Links project aims to develop an open-ended citizen participation model that includes administration, citizens and business by analyzing open data policy in Bulgaria to achieve open and responsible governance.

The project focuses on "data providers": national, regional and local administrations publishing data in the Open Data Portal and "users": non-governmental organizations, businesses, the public. In view of the objectives set, the project has been developed in four main groups of activities: 1) analytical, covering economic, statistical and sociological analysis; 2) monitoring - developing a civil monitoring model based on open data; (3) knowledge sharing and experience exchange between suppliers and data users to expand open data policy; 4) Information - to raise public awareness of the open data capabilities of public policy monitoring.

NGO Links will develop recommendations related to the following 3 themes: Prioritization of data sets to open in machine-readable data, Enhancement of data processing capacity of the administration, and implementation of public policy monitoring model based on open data will be proposed to include in the National Action Plan of the Open Government Partnership Initiative.

<http://2020.eufunds.bg/bg/0/0/Project/Details?contractId=hEwhwvSnyd0%3D&isHistoric=False>

Another project of NGO Links about Tools and methods for data-based civic monitoring and scrutiny of the reform in the judiciary

The project aims to put in place an information and analysis platform and tools for evidence-based civic monitoring of the reform in the judiciary, as well as to carry-out an independent caseload and efficiency analysis and assessment of the system based on publicly available data. The project targets all stakeholders in the reform process – with the main target groups being citizens and civic organizations and business, and the complementary target groups comprising of representatives of the executive, court representatives, and professional associations. In order to attain the objectives set project activities are organized in three main areas: the research activities include document review, webpage review, overview of access to information requests, cataloging and systematization of datasets and development of a database, organization of focus-groups; the analytical activities encompass data processing and analysis, development of an interactive dashboard, drafting a methodological framework and a matrix of indicators, producing legal, financial and statistical analysis and preparing a paper with recommendations; the communication activities include 2

16 Have there been any studies conducted in the past year that focus on assessing the political impact of open data?

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | yes |
| <input type="checkbox"/> | no |
| <input type="checkbox"/> | I don't know |

o If yes, please provide the URLs for these studies

The NGO Links project aims to develop an open-ended citizen participation model that includes administration, citizens and business by analyzing open data policy in Bulgaria to achieve open and responsible governance.

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2.3 Social impact

17 Have you or other public sector stakeholders active in this field launched any activities in the past year to monitor the social impact of open data?

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | yes |
| <input type="checkbox"/> | no |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to support your answer.

Under the project "Open Data and Citizens Participation: mechanisms to foster interaction between administration, citizens and business" are in progress following documents: methodology for analysis of open data policies; Analysis with recommendations; Public opinion research and report; Citizen's engagement pattern based on open data with the implementation recommendations; Needs analysis to work with open data; Analytical framework for information sharing activities.

<http://opendata.ngolinks.eu/>
https://drive.google.com/drive/folders/1AdjYVLC_QU5Deb_JytoTAApPEBGilKn

<https://naukamon.eu/category/sci-programs/>

<https://varshets.bg/projects/docs/%D0%9C%D0%95%D0%A5%D0%90%D0%9D%D0%98%D0%97%D0%AA%D0%9C%20%D0%98%20%D0%98%D0%9D%D0%A1%D0%A2%D0%A0%D0%A3%D0%9C%D0%95%D0%9D%D0%A2%D0%90%D0%A0%D0%98%D0%A3%D0%9C.pdf>

<http://2020.eufunds.bg/bg/0/0/Project/Activities?contractId=Fl%2FkgV4vem4%3D&isHistoric=False>
<https://iusauthor.com/novini/405-programa-cifrova-bulgaria-2025.html>

<https://npict.bg/bg/news/74>

Transformation by 2030 National Science Program "Information and Communication Technologies for a Digital Single Market in Science, Education and Security

<https://innovativesofia.bg/project/prisaedinyavane-kam-edinniya-model-za-e-uslugi/>

<https://www.facebook.com/events/edutechflageu/%D0%B5-%D0%BE%D0%B1%D1%83%D1%87%D0%B5%D0%BD%D0%B8%D0%B5-%D0%B7%D0%B0-%D1%83%D1%87%D0%B8%D1%82%D0%B5%D0%BB%D0%B8-%D0%B8%D0%BD%D1%82%D0%B5%D0%B3%D1%80%D0%B8%D1%80%D0%B0%D0%BD%D0%B5-%D0%BD%D0%B0-%D0%BE%D1%82%D0%B2%D0%BE%D1%80%D0%B5%D0%BD%D0%B8-%D0%B4%D0%B0%D0%BD%D0%BD%D0%B8-%D0%B2-%D0%BE%D0%B1%D1%83%D1%87%D0%B5%D0%BD%D0%B8%D0%B5%D1%82%D0%BE/277684967592062/>

18 Has open data had a low/medium/high on increasing the inclusion of marginalised groups in society? Please provide examples of how open data that has been used to develop applications on the topic.

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | high |
| <input type="checkbox"/> | medium |
| <input type="checkbox"/> | low |
| <input type="checkbox"/> | I don't know |

If yes, please provide examples and the URLs to both the data sets and the respective use cases to support your answer.

According to Decision №463 of the Council of Ministers, the Persons with Disabilities Agency published in an open format a register of specialized enterprises and cooperatives of and for persons with disabilities in the Open Data Portal of the Republic of Bulgaria (<https://data.egov.bg>).

The Disability Agency's information system uses data from the Uniform Classifier of Administrative-Territorial and Territorial Units.

Information on the number of children and students by groups and classes by types of schools containing information about: for training and support of hearing impaired students, training and support of visually impaired students, boarding school, socio-pedagogical boarding school and places of deprivation of liberty <https://data.egov.bg/organisation/datasets/resourceView/c5dd8852-2d5a-4561-8f6d-4bf314ac7472>

Register of specialized enterprises and cooperatives of and for people with disabilities. The register is used for monitoring and control of the specialized enterprises and cooperatives of the people with disabilities and of the activity, performed by them during the implementation of target projects and programs under art. 28 of the Law on Integration of People with Disabilities.

<https://data.egov.bg/organisation/datasets/resourceView/0223a417-327e-4c1c-92bc-27138bb440d2>
<https://data.egov.bg/organisation/datasets/resourceView/08f8db3a-97eb-459c-a6b8-ed5a41635d91>
<https://data.egov.bg/organisation/datasets/resourceView/6a56c5d4-6774-48ff-9235-640dcf8b6c69>

Application

<http://rabotosposobni.bg/?mod=article&id=2>

Prototype of Application

<http://izberi-gimnazia.info:8080/>

Bulgarian government adopted a Strategy for Corporate Social Responsibility for the period 2019 - 2023. The development of the CSR Strategy 2019 - 2023 is in response to the government's political commitment to improving the quality of life of the population through transparent, socially responsible business practices and in implementation of the government's Management Program.

19 Has open data had a low/medium/high on raising awareness concerning housing in the city? Please provide examples of how open data that has been used to develop applications on the topic.

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | high |
| <input type="checkbox"/> | medium |
| <input type="checkbox"/> | low |
| <input type="checkbox"/> | I don't know |

If yes, please provide examples and the URLs to both the data sets and the respective use cases to support your answer.

data?

| | |
|--------------------------|--------------|
| <input type="checkbox"/> | no |
| <input type="checkbox"/> | I don't know |

o If yes, please provide the URLs for these studies

<http://www.strategy.bg/Publications/View.aspx?lang=bg-BG&categoryId&Id=298&y&m&d>
<https://innovativesofia.bg/wp-content/uploads/2020/03/Potential-Impact-of-Covid-19-on-the-Economy-of-Sofia.pdf>
<https://e-gov.bg/wps/portal/agency/home/data/odata/odata-activities/odata-consult>

<http://sf.mon.bg/?go=projects&p=detail&projectsId=69>
<https://sourceforge.net/projects/gate/>
 Sofia University Project
<http://www.e-sme.eu/wp-content/uploads/2019/01/%D0%94%D0%B5%D0%B9%D0%BD%D0%BE%D1%81%D1%82-2.-%D0%A1%D0%BE%D1%86%D0%B8%D0%BE%D0%BB%D0%BE%D0%B3%D0%B8%D1%87%D0%B5%D1%81%D0%BA%D0%BE-%D0%BF%D1%80%D0%BE%D1%83%D1%87%D0%B2%D0%B0%D0%BD%D0%B5-%E2%80%9C%D0%92%D0%B7%D0%B0%D0%B8%D0%BC%D0%BE%D0%B4%D0%B5%D0%B9%D1%81%D1%82%D0%B2%D0%B8%D0%B5-%D0%BC%D0%B5%D0%B6%D0%B4%D1%83-%D0%B0%D0%B4%D0%BC%D0%B8%D0%BD%D0%B8%D1%81%D1%82%D1%80%D0%B0%D1%86%D0%B8%D1%8F%D1%82%D0%B0-%D0%B1%D0%B8%D0%B7%D0%BD%D0%B5%D1%81%D0%B0-%D0%B8-%D0%9D%D0%9F%D0%9E-%D0%B2-%D0%BF%D1%80%D0%BE%D1%86%D0%B5%D1%81%D0%B0-%D0%BD%D0%B0-%D0%B2%D0%B7%D0%B5%D0%BC%D0%B0%D0%BD%D0%B5-%D0%BD%D0%B0-%D1%80%D0%B5%D1%88%D0%B5%D0%BD%D0%B8%D1%8F%E2%80%9D.pdf> *докла̀д*
<https://www.eufunds.bg/bg>
<http://sandanski.bg.com/%D0%BD%D0%BE%D0%B2%D0%B8%D0%BD%D0%B8/%D0%BE%D0%B1%D1%89%D0%B8%D0%BD%D0%B0-%D1%81%D0%B0%D0%BD%D0%B4%D0%B0%D0%BD%D1%81%D0%BA%D0%B8-%D0%BF%D0%B0%D1%80%D1%82%D0%BD%D1%8C%D0%BE%D1%80-%D0%BF%D0%BE-%D0%BF%D1%80%D0%BE%D0%B5%D0%BA%D1%82-%D0%B7/>
<http://2020.eufunds.bg/bg/0/75/Project/BasicData?contractId=TB9XcLbqTl%3D&isHistoric=False>
https://content.web-repository.com/s/31243528880301371/uploads/PDF_Files/%D0%90%D0%BD%D0%B0%D0%BB%D0%B8%D1%82%D0%B8%D1%87%D0%B5_____D_igital_53_Final-1068935.pdf

2.4 Environmental impact

23 Have you or other public sector stakeholders active in this field launched any activities in the past year to monitor the environmental impact of open data?

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | yes |
| <input type="checkbox"/> | no |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to support your answer.

<https://www.ecoportil.eu/wp-content/uploads/2020/04/National-Report-Environment-BG-2019.pdf>
 National Environmental Monitoring Report of the Ministry of Environment and Water and the EEA
 Report of the Ministry of Environment and Water and the Environment
<https://www.riosv-montana.com/obinfi>
 RIEW Montana in connection with ecology and access to data
<http://riew-pleven.eu/euslugi.html>
 The Regional Inspectorate for Environment and Water - Pleven calls on citizens and businesses to take advantage of the opportunities for electronic correspondence through the System for Secure Electronic Delivery (SSEV). Administrative services, signals and complaints can be requested through SSEV 15.09.2020

<http://eea.government.bg/airq/bulletin.jsp>
<https://riosv.vracakarst.com/bg/ezhedneven-bletin-za-kachestvoto-na-atmosferniya-vazduh-v-stranata/>
<https://www.moew.government.bg/bg/presentur/upravlenie-na-vodite/dneven-byuletin/>

<https://www.investor.bg/ikonomika-i-politika/332/a/novo-zveno-shte-nabliudava-upravlениeto-na-vodite-otpadycite-i-kachestvoto-na-vyzduha-298623/>
<https://www.riew-sofia.org/>

24 Has open data had a low/medium/high on raising awareness on the water and/or air quality in your country? Please provide examples of how open data that has been used to develop applications on the topic.

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | high |
| <input type="checkbox"/> | medium |
| <input type="checkbox"/> | low |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to both the data sets and the respective use cases to support your answer.

For the air quality applications of Sofia Municipality.

<https://airsofia.info/>

<https://air.sofia.bg/>

<https://data.egov.bg/organisation/e3d162cf-10ab-4808-a065-cd5380fbafca/datasets>

<https://airbg.info/>

<https://www.2befit.bg/bg/app/plume-air-repor>

<http://knowledgesofia.eu/bg/blog/300-prilozheniya-na-inteligentni-gradski-tehnologii-drugi-oblasti-na-prilozheniet>

<http://eea.government.bg/airq/bulletin.jsp>

<https://riosv.vracakarst.com/bg/ezhedneven-bletin-za-kachestvoto-na-atmosferniya-vazduh-v-stranata-/>

<https://www.moew.government.bg/bg/prescentur/upravlenie-na-vodite/dneven-byuletin/>

<https://www.investor.bg/ikonomika-i-politika/332/a/novo-zveno-shte-nabliudava-upravlenieto-na-vodite-otpadycite-i-kachestvoto-na-vyzduha-298623/>

<https://www.riew-sofia.org/>

- 25 Has open data had a low/medium/high on raising awareness on the noise level in cities? Please provide examples of how open data that has been used to develop applications on the topic.

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | high |
| <input type="checkbox"/> | medium |
| <input type="checkbox"/> | low |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to both the data sets and the respective use cases to support your answer.

<http://www.isofmap.bg> – maps of noise, bicycle lanes, validation and many others

<https://lima.api.bg/privacy/index>

<https://www.bgmaps.com/map/sofia>

<https://schedules.sofiatraffic.bg/>

<https://www.varnatraffic.com/>

<https://www.sofiatraffic.bg/bg/transport/routeChanges/p/1>

<https://samoletnibileti.check.bg/bg/schedule>

<https://www.sofia-airport.bg/>

<https://www.sofia-airport.bg/%D0%BF%D1%8A%D1%82%D0%BD%D0%B8%D1%86%D0%B8/%D0%BF%D0%BE%D0%BB%D0%B5%D1%82%D0%BD%D0%B0-%D0%B8%D0%BD%D1%84%D0%BE%D1%80%D0%BC%D0%B0%D1%86%D0%B8%D1%8F/%D0%B8%D0%B7%D0%BB%D0%B8%D1%82%D0%B0%D1%89%D0%B8>

<https://ekotaxi.bg/en/home-2/>

<https://tickey.me/sofia/>

- 26 Has open data had a low/medium/high on dealing with waste management aspects? Please provide examples of how open data that has been used to develop applications on the topic.

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | high |
| <input type="checkbox"/> | medium |
| <input type="checkbox"/> | low |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to both the data sets and the respective use cases to support your answer.

<https://waste.sofia.bg/information/>

<https://data.egov.bg/organisation/e3d162cf-10ab-4808-a065-cd5380fbafca/datasets>

<https://gabrovo.bg/bg/page/1229>

<https://tesy.bg/obslujvane-na-klienti/punktove-za-reciklirane>

For equipment recycling

- 27 Has open data had a low/medium/high on enabling more environmental-friendly transport systems in cities? Please provide examples of how open data that has been used to develop applications on the topic.

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | high |
| <input type="checkbox"/> | medium |
| <input type="checkbox"/> | low |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to both the data sets and the respective use cases to support your answer.

<https://ednodarvo.io/locations/o4LruXYb> - site for monitoring, protection and conservation of trees in Sofia
https://l.facebook.com/l.php?u=https%3A%2F%2Fplay.google.com%2Fstore%2Fapps%2Fdetails%3Fid%3Dcom.Luminous.GuideAR%26fbclid%3DIwAR0o279DWT0BnwLxOEdmXpjm9slzABNE78L_K0xcuxkgdJmN6jScenVklul&h=AT09ffnOjFWZLvkbt4W8B2a-r_6AdMTevGOq1Q50ciNTfpjt_ZCdXoH8RdlvTKtuCQGRZDe5pD_GxlcczkXoYvB9nVf8pAzumPN99kd0AUFZGIOLZiofkzz9SM2-wbmDvFNaj2- mobile application with added reality - a guide for Sofia
 o navigation with public transport with Google Earth, and other mobile applications - Sofbus 24, moovit and others. (<https://play.google.com/store/apps/details?id=bg.znestorov.sofbus24.main>;
<https://moovitapp.com/>)
<https://swiss-contribution.bg/uploads/manager/source/SUMP%2021-05-2019.pdf>
 Sustainable Urban Mobility Plan 2035
<https://spark.bg/>
 Electric cars
<https://spark.bg/zarejdane/>
 Charging points
<https://toprentacar.bg/twizy>
<https://rentebike.bg/>
<https://play.google.com/store/apps/details?id=com.limebike&hl=bg&gl=US>
<https://hicomm.bg/novini/vtora-usluga-za-kratkosrochen-naem-na-elektricheski-trotinetki-veche-e-aktivna-v-sofiya.html>

28 In your view and in light of your answers to the previous questions, has open data had a low/medium/high impact on the environment in the country?

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | high |
| <input type="checkbox"/> | medium |
| <input type="checkbox"/> | low |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to both the data sets and the respective use cases to support your answer.

There are 7 new high value datasets in the new List of 30 priority datasets adopted in 2020 about environment as:
 Register of permits for water abstraction from dams under Annex № 1 to the Land Act
 Register of permits for discharge of pollutants into groundwater in the cases under Art. 118a, para. 2 of the Water Act
 Register with data for environmental assessment procedures
 Register of granted water concessions - exclusive state property
 Public register of the persons holding documents for carrying out activities with waste
 Water monitoring information system
 The national system for radiological monitoring of the environment

 Institutions that use open data and have an impact on the environmental monitoring of the country
<http://eea.government.bg/airq/bulletin.jsp>
<https://riosv.vracakarst.com/bg/ezhedneven-bletin-za-kachestvoto-na-atmosferniya-vazduh-v-stranata/>
<https://www.moew.government.bg/bg/prescentur/upravlenie-na-vodite/dneven-byuletin/>
<https://www.investor.bg/ikonomika-i-politika/332/a/novo-zveno-shte-nabliudava-upravlenieto-na-vodite-otpadycite-i-kachestvoto-na-vyzduha-298623/>
<https://www.sofia.bg/web/tourism-in-sofia/ecobulletin>

29 Are there civil society initiatives that are open data driven and aim to tackle a problem identified in the environmental field?

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | yes |
| <input type="checkbox"/> | no |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to support your answer.

Digital Transition Partnership

The objective of the Digital Transition Action Plan is to provide improved public services to citizens, to support European cities in exploiting the possibilities of digitalisation and assist European businesses to develop new innovations and create new business opportunities for global markets. .

Provide value through free and fair access to open/public/personal data:

- Draft Action 6: Build a data taxonomy at a European level;
- Draft Action 7: Access and reuse of private sector data of general interest by the public authorities;
- Draft Action 8: Specify and monitoring of standardized Planned Land Use data for formal and informal urban planning participation processes; and
- Draft Action 9: MyData in digital transition – Elaboration of a European roadmap on “mydata”.

<http://investsofia.com/v-sofia-s-place-na-vebit-2018-be-predstaveno-partnyorstvoto-cifrov-prehod-v-koeto-sofiya-e-grad-koordinator/>

<https://ec.europa.eu/futurium/en/digital-transition/introduction-draft-action-plan-partnership-digital-transition>

AIRTHINGS project aimed at protecting the cleanness of atmospheric air in the context of global climate and environmental changes. The project envisages the use of modern technologies and trends for monitoring the atmospheric air. An intelligent internet platform will be developed to visualize and store air data.

In addition to the sensors, within the project, an Open Data System will be developed and maintained to visualize and store all the data collected by the atmospheric air quality sensors installed in all participating cities. The data will allow them to be published in machine readable formats to be used by external developers to create different types of applications aimed at promoting a sustainable lifestyle. These smart applications are expected to engage citizens by providing new, innovative ways of contributing to sustainable growth and environmental protection, with a focus on reducing air pollution and climate change.

In Sofia, the system will consist of 22 atmospheric air quality measurement stations and will measure the most common air pollutants (PM, CO, NO2, SO2), temperature, humidity and pressure in real time via sensors. Each station will send information about the indicators to a system that will be built on the Open Data System. It will use the benefits of cloud technologies combined with analytical functionalities and

advanced Machine Learning opportunities to enable partners to take timely actions to improve the quality of

30 Have there been any studies conducted/commissioned to assess the impact of open data in the environmental field or a sub-dimension of this field?

| | |
|-------------------------------------|--------------|
| <input type="checkbox"/> | yes |
| <input checked="" type="checkbox"/> | no |
| <input type="checkbox"/> | I don't know |

o If yes, please provide the URLs for these studies

<http://www.bgeu.biz/OP%20DOBRO%20UPRAVLENIE/preporaki.pdf>

Increasing civic participation in local waste management policies in relation to waste management (MA)

<http://www.bgeu.biz/OP%20DOBRO%20UPRAVLENIE/Tqlo.pdf>

HANDBOOK for civic participation in waste management policies

https://www.ekoarhiv.bg/system/files/documents/Doklad_2.pdf

Report on the improvement of the network of protected areas and participation in Natura 2000

https://www.eufunds.bg/sites/default/files/uploads/opos/docs/2020-09/1.DEO_POS%202021-2027.pdf

http://stroiteli.elmedia.net/sti/bg/2014-5/editorials/%D0%BC%D0%BE%D0%BD%D0%B8%D1%82%D0%BE%D1%80%D0%B8%D0%BD%D0%B3-%D0%BD%D0%B0-%D0%B3%D1%80%D0%B0%D0%B4%D1%81%D0%BA%D0%B8-%D0%BE%D1%82%D0%BF%D0%B0%D0%B4%D1%8A%D1%86%D0%B8_03018.html

<https://www.investor.bg/energetika/472/a/bylgariia-e-ot-pyrvencite-v-es-po-dial-na-vyzoobnoviaema-energiia-297322/>

<https://www.smolyan.bg/bg/menu/subcontent/564>

<https://sredets.bg/publicOrders-532.html>

Sociological Survey of Quality of Life in Sofia

<https://vizia.sofia.bg/wp-content/uploads/2019/05/%D0%98%D0%B7%D1%81%D0%BB%D0%B5%D0%B4%D0%B2%D0%B0%D0%BD%D0%B5-%D0%B7%D0%B0-%D0%9A%D0%B0%D1%87%D0%B5%D1%81%D1%82%D0%B2%D0%BE-%D0%BD%D0%B0-%D0%B6%D0%B8%D0%B2%D0%BE%D1%82.pdf>

Sociological Survey of Quality of Life in Sofia

• digitised data for components and environmental factors in Sofia Municipality – maps [Software]

• feasibility study for green wedges in Sofia Municipality – Maps [Software]

• Inventory of biodiversity in Sofia Municipality – maps, photographs, video [Software]

• questionnaire replies of 82 public consultations for the period 09.2017 – 10.2018 [Software]

• identified datasets of Sofia Municipality – for descriptions [Software]

• Response to the questionnaire for describing the data sets of Sofia Municipality [Software]

• Redaction connectivity in Sofia: Space Sustain... graph Files [Software] Urban Network analysis: Network

2.5 Economic impact

31 Have you or other public sector stakeholders active in this field launched any activities in the past year to monitor the economic impact of open data?

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | yes |
| <input type="checkbox"/> | no |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to support your answer.

NATIONAL PROGRAM DIGITAL BULGARIA 2025 - MINISTRY OF TRANSPORT, INFORMATION TECHNOLOGIES AND COMMUNICATIONS, December 2019
https://www.mtitc.government.bg/sites/default/files/uploads/it/09-12-2019_programa_cifrova_bulgariya_2025.pdf

<https://www.mtitc.government.bg/bg/category/85/otchet-na-nacionalna-programa-cifrova-bulgariya-2025-i-putna-karta-kum-neya-kum-dekemvri-2019-g>

https://rda.bg/sites/default/files/Content_Files/DT_Strategy_2020.doc

The macroeconomic forecast of the Ministry of Finance is published twice a year, in spring and autumn. This is the official economic forecast of the Government of the Republic of Bulgaria. The forecast is used for the development of the state budget of the country and is part of a number of important documents such as: the Budget Report, the Three-Year Budget Forecast, the Convergence Program. The horizon of the forecast is the current plus the next three years. In addition to the table attached here, which includes reporting and forecast data of key macroeconomic indicators, the text of the forecast, which includes analysis and graphical images, is published on the website of the Ministry of Finance.

<https://www.minfin.bg/bg/transparency>
<https://www.minfin.bg/bg/792>
<https://www.minfin.bg/bg/1127>
https://e-gov.bg/wps/portal/agency/systems/info-systems/e-authentication!/ut/p/z1/nVXdpswGH2aXlo2tjH2JSG_bZNAUpqGm8mAb0IkCY0Xfb0M1ukqUE16YyEsHUOnHP8-QMm8AKmpTzqZ1nrqpQbM18n7Ns44r4z5_huNEQcRX5I4zAKopi6cPURgPoG4I_vZ7HgQwqFFCbX8NEnw0fX8cNw5I9HHCEnYD0Uhz7X6zkTjFxm5TPa0j-gDEWM-b4b-PjBsfPnLf_zZeygaMr790vGnWDdul_hAIMdpnO4ZqkGdKYMDSHA0auhikmciA45

The electronic authentication system provides a single centralized authentication service (SingleSign-On), issuing certificates identifying users in the information environment of e-government.

<https://2020.eufunds.bg/bg/0/0/Project/BasicData?contractId=0YzEuLHOeY0K2P8icHistoricFalse>

32 Has open data had a low/medium/high impact at macro-economic level in your country? Please provide examples of how open data that has been used to develop applications on the topic.

| | |
|-------------------------------------|--------------|
| <input type="checkbox"/> | high |
| <input checked="" type="checkbox"/> | medium |
| <input type="checkbox"/> | low |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to both the data sets and the respective use cases to support your answer.

Provision of mobile telephone services for the needs of the Ministry of Finance "Lot № 1: " Provision of electronic communications service via public electronic mobile terrestrial network according to the GSM / UMTS / LTE standard with national coverage and additional services related to this activity "Lot № 2: "Provision of electronic communications service -" GSM GATEWAY ", through a public electronic mobile network according to the GSM / UMTS standard, with national coverage and additional services related to this activity."

<https://www.minfin.bg/bg/procurement/203>

<https://www.mrrb.bg/bg/za-potrebitelya/otvoreni-danni/>

<https://edelivery.egov.bg/>

<https://www2.e-gov.bg/bg/152>

33 33. Has open data had a low/medium/high impact at micro-economic level in your country? Please provide examples of how open data that has been used to develop applications on the topic.

| | |
|-------------------------------------|--------------|
| <input type="checkbox"/> | high |
| <input checked="" type="checkbox"/> | medium |
| <input type="checkbox"/> | low |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to both the data sets and the respective use cases to support your answer.

<https://smedata.eu/index.php/bg/projekt/obzor/>

<https://www.leaderisperih.eu/>

<https://www.regionalprofiles.bg/bg/rpdata/>
https://cio.bg/management/2009/02/11/3450052_tehnologii_za_3d_modelirane_i_gis_optimizirat/Solutions for city optimization
<https://innovativesofia.bg/project/prisaedinyavane-kam-edinniya-model-za-e-uslugi/>

34 Has open data had a low/medium/high impact on economic benefits for public administrations in your country? Please provide examples of how open data that has been used to develop applications on the topic.

| | |
|-------------------------------------|--------------|
| <input type="checkbox"/> | high |
| <input checked="" type="checkbox"/> | medium |
| <input type="checkbox"/> | low |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to both the data sets and the respective use cases to support your answer.

<https://www.investbg.government.bg/bg>
<http://www.bgregio.eu/media/Programirane/%D0%A1%D0%BE%D1%86%D0%B8%D0%B0%D0%BB%D0%BD%D0%BE-%D0%B8%D0%BA%D0%BE%D0%BD%D0%BE%D0%BC%D0%B8%D1%87%D0%B5%D1%81%D0%BA%D0%B8%20%D0%B0%D0%BD%D0%B0%D0%BB%D0%B8%D0%B7%20%D0%BD%D0%B0%20%D1%80%D0%B0%D0%B9%D0%BE%D0%BD%D0%B8%D1%82%D0%B5%20%D0%B2%20%D0%A0%D0%B5%D0%BF%D1%83%D0%B1%D0%BB%D0%B8%D0%BA%D0%B0%20%D0%91%D1%8A%D0%BB%D0%B3%D0%B0%D1%80%D0%B8%D1%8F%20%E2%80%93%20%D1%87%D0%B0%D1%81%D1%82%201.pdf>
<https://innovativesofia.bg/project/prisaedinyavane-kam-edinniya-model-za-e-uslugi/>

35 In your view and in light of your answers to the previous questions, has open data had a low/medium/high impact on the economy in the country?

| | |
|-------------------------------------|--------------|
| <input type="checkbox"/> | high |
| <input checked="" type="checkbox"/> | medium |
| <input type="checkbox"/> | low |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to both the data sets and the respective use cases to support your answer.

Bulgaria continues to attract suppliers to major automakers
<https://www.investor.bg/ikonomika-i-politika/332/a/bylgariia-prodyljava-da-privlicha-dostavchici-na-golemi-avtomobilni-koncerni-202143/>
<https://move.bg/nasa2020-bulgaria>
<https://besco.bg/%D0%B8%D0%BC%D0%B0%D0%BC%D0%B5-%D1%87%D0%BE%D0%B2%D0%B5%D0%BA-%D0%B2-%D1%81%D1%82%D0%BE%D0%BB%D0%B8%D1%87%D0%BD%D0%B0-%D0%BE%D0%B1%D1%89%D0%B8%D0%BD%D0%B0/>
<https://www.nsi.bg/bg/content/17648/%D0%BF%D1%83%D0%B1%D0%BB%D0%B8%D0%BA%D0%B0%D1%86%D0%B8%D1%8F/%D1%81%D0%BF%D0%B8%D1%81%D0%B0%D0%BD%D0%B8%D0%B5-%E2%80%9E%D1%81%D1%82%D0%B0%D1%82%D0%B8%D1%81%D1%82%D0%B8%D0%BA%D0%B0%E2%80%9C-%D0%B1%D1%80-42019>

36 Are there civil society initiatives that are open data driven and aim to tackle a problem identified in the economical field?

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | yes |
| <input type="checkbox"/> | no |
| <input type="checkbox"/> | I don't know |

o If yes, please provide examples and the URLs to support your answer.

<http://2020.eufunds.bg/bg/0/260/Project/BasicData?contractId=4TS%2FRBSPpxk%3D&isHistoric=False>
 Danube Training and Development Center Association
 Partnership in management and increasing the interaction between the municipal administration of Lovech, civil society and business
<http://2020.eufunds.bg/bg/0/999/Project/BasicData?contractId=v%2FFjBLLNqto%3D&isHistoric=False>
 Active citizens for good governance of Botevgrad municipality. Online platform "Dialogues for the future of Botevgrad"
<http://2020.eufunds.bg/bg/5/0/Project/BasicData?contractId=gik2CMWjSoA%3D&isHistoric=False>
 Maritsa Regional Association of Citizens Citizens and local authorities - partners for creating open and responsible governance
<http://2020.eufunds.bg/bg/0/0/Project/BasicData?contractId=QXzFvsU0aYY%3D&isHistoric=False>
<http://www.chambersz.com/news/16655-2019-05-07-12-08-52>
<http://www.arcfund.net/index.php?id=2302>

37 Have there been any studies conducted/commissioned to assess the impact of open data at micro- or macro-economic level in your country?

| | |
|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> | yes |
| <input type="checkbox"/> | no |
| <input type="checkbox"/> | I don't know |

o If yes, please provide the URLs for these studies

<http://www.gginstitute.eu/portfolio-item/%D0%BF%D0%BE%D0%B4%D0%BE%D0%B1%D1%80%D1%8F%D0%B2%D0%B0%D0%BD%D0%B5-%D0%B8-%D0%B3%D1%80%D0%B0%D0%B6%D0%B4%D0%B0%D0%BD%D1%81%D0%BA%D0%B8-%D0%BC%D0%BE%D0%BD%D0%B8%D1%82%D0%BE%D1%80%D0%B8%D0%BD%D0%B3/>
<http://2020.eufunds.bg/bg/0/74/Project/Activities?contractId=6nt3ynHNI%2F8%3D&isHistoric=False>
<http://2020.eufunds.bg/bg/1/0/Project/Activities?contractId=Fl%2FkgV4vem4%3D&isHistoric=False>
<https://varshets.bg/projects/docs/%D0%9C%D0%95%D0%A5%D0%90%D0%9D%D0%98%D0%97%D0%AA%D0%9C%20%D0%98%20%D0%98%D0%9D%D0%A1%D0%A2%D0%A0%D0%A3%D0%9C%D0%95%D0%9D%0%A2%D0%90%D0%A0%D0%98%D0%A3%D0%9C.pdf>
<https://www.minfin.bg/upload/44291/National%20Reform%20Programme%202020.pdf>

This section is completed

Dimension 3: Open Data Portal

This part of the questionnaire is dedicated to assessing the solution your country chose for making the available open data discoverable. Typically, this is achieved through a national open data portal.

For simplicity, the following section will refer to this solution as the "national portal".

Please provide where requested the URLs to the features inquired with the respective question. If access to the feature is restricted (back-end feature, log-in required), please provide a screenshot via e-mail as additional attachment. Please answer the questions below only in relation to the portal you indicated as the national portal of reference. Only URLs documenting the features available on this portal will be considered and scored.

Please note: Should neither a URL nor screenshot be provided, the answer will not be scored.

Please fill out all the questions by selecting the answer option by marking it with an "x" in the boxes. If applicable, please provide additional information in the grey text box containing "Please fill your answer here".

| Question | Answer options |
|---|---|
| 3.1 Portal features | |
| 1 Is there a national portal in your country for making open data and PSI discoverable? | <input checked="" type="checkbox"/> yes <input type="checkbox"/> no |
| o If yes, please provide the URL of the national portal. o If no, please describe how you ensure the discoverability of the open data available in your country. | |
| <input type="text" value="https://data.egov.bg/"/> | |
| 2 Does the national portal offer an advanced data search function (multiple field search, filter options etc.)? | <input checked="" type="checkbox"/> yes <input type="checkbox"/> no |
| 3 Does the national portal offer the possibility for users to download data sets? | <input checked="" type="checkbox"/> yes <input type="checkbox"/> no |
| 4 Does the national portal offer the possibility for users to search by file format? | <input checked="" type="checkbox"/> yes <input type="checkbox"/> no |
| 5 Does the national portal offer the possibility for users to search by data domain? | <input checked="" type="checkbox"/> yes <input type="checkbox"/> no |
| 6 Does the national portal offer a SPARQL search query feature? | <input type="checkbox"/> yes <input checked="" type="checkbox"/> no |
| o If yes, please provide the direct-URL to this feature. <i>Please fill your answer here.</i> | |
| <input type="text" value=""/> | |
| 7 Does the national portal offer a feedback mechanism at data set level? | <input checked="" type="checkbox"/> yes <input type="checkbox"/> no |
| o If yes, please provide the direct-URL to this feature. <i>Each resource in a dataset has an option to provide feedback.</i> | |
| <input type="text" value="https://data.egov.bg/data/resourceView/b2fd0aa8-af28-46ee-94fb-68c4bffc946"/> | |
| 8 Does the national portal offer a general feedback mechanism for users? | <input checked="" type="checkbox"/> yes <input type="checkbox"/> no |
| o If yes, please provide the direct-URL to this feature. | |
| <input type="text" value="https://data.egov.bg/contacts?section=2&item=2"/> | |
| 9 Does the national portal offer the possibility for users to request data sets? | <input checked="" type="checkbox"/> yes <input type="checkbox"/> no |
| o If yes, please provide the direct-URL to this feature. | |
| <input type="text" value="https://data.egov.bg/request"/> | |
| 10 If yes, what is the frequency of these requests? | <input type="checkbox"/> Daily <input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Less frequently than monthly |
| 11 Are these requests and their progress status presented in a transparent manner on the national portal ? | <input checked="" type="checkbox"/> yes <input type="checkbox"/> no |
| o If yes, please provide the direct-URL to this feature. | |
| <input type="text" value="https://data.egov.bg/admin/data-requests/list?order=status&page=6"/> | |
| 12 Does the portal team monitor the extent to which these requests result in the publication of the requested data? | <input checked="" type="checkbox"/> yes <input type="checkbox"/> no |
| o If yes, please describe how this monitoring is conducted. <i>Please fill your answer here.</i> | |
| <input type="text" value=""/> | |
| 13 If yes, to what degree do these requests result in the publication of the requested data? | <input type="checkbox"/> All datasets <input type="checkbox"/> The majority of datasets |

- Approximately half of the datasets
 Few datasets
 None of the datasets

14 Does the national portal allow users to see what data exists but cannot be made available as open data? yes
 no

o If yes, please provide the URL to an example and briefly describe the approach used to ensure this transparency.

Please fill your answer here.

15 Does the national portal offer the possibility for users to receive notifications when new data sets are available on the national portal (RSS, ATOM feeds, email notifications etc)? yes
 no

o If yes, please provide the direct-URL to this feature.

<https://data.egov.bg/datasets/rss>

On organisation level:

<https://data.egov.bg/datasets/b93a0a74-4f8d-430a-884c-35e68c2d05b8/rss>

16 Does the national portal provide a mechanism for users to rate data sets ? yes
 no

o If yes, please provide the direct-URL to this feature.

As "reported" datasets, the Portal users can rate the quality of the dataset and require improvement of the service.

o <https://data.egov.bg/data/reported>

17 Does the national portal offer the possibility to link documentation and supporting materials to a given data set? yes
 no

o If yes, please provide the direct-URL to this feature.

It is possible by "Add resource" functionality (for registered users only)

<https://data.egov.bg/admin/organisations/cfaae345-6199-4c4c-8ded-c327a146ab29/dataset/resource/create/5c01e367-bd72-4c27-a8d5-ee2c61cc0d50>

18 Does the national portal have a designated area to showcase use cases? yes
 no

o If yes, please provide the direct-URL to this feature.

<https://data.egov.bg/visualisations?section=1&item=9>

19 Does the national portal provide the possibility for users to submit their own use cases? yes
 no

o If yes, please provide the direct-URL to this feature.

Please fill your answer here.

20 Does the national portal reference the data sets that the showcased use cases are based on? yes
 no

o If yes, please provide the URL to this feature/ to an example documenting this feature.

Please fill your answer here.

21 Does the national portal include a discussion forum for users (whether data providers or re-users)? yes
 no

o If yes, please provide the direct-URL to this feature.

<https://data.egov.bg/forums/discussion/transport/forum-za-kategoriya-transport>;

<https://data.egov.bg/forums/discussion/obrazovanie/forum-kategoriya-obrazovanie>

22 Does the national portal offer a preview function for tabular data? yes
 no

o If yes, please provide the URL to an example documenting this feature.

<https://data.egov.bg/organisation/datasets/resourceView/3baea8df-3474-4eac-be9c-042e6b61e967>

23 Does the national portal offer a preview function for geospatial data? yes
 no

o If yes, please provide the URL to an example documenting this feature.

Please fill your answer here.

24 Does the national portal provide guidelines and tools for data publishers to improve the quality of their data publication? yes
 no

o If yes, please provide the direct-URL to this feature.

Technical Guidelines and Instructions for uploading data sets in open format on the National Open Data Portal (<http://www.strategy.bg/FileHandler.ashx?fileId=7339>)

Instruction for installing the Automated Data Input Tool (<https://data.egov.bg/document/view/6>)

User instructions for the Open Data Portal (<https://data.egov.bg/help>)

Instructions for the main administrators, roles and functions of the Open Data Portal

3.2 Portal usage

25 Is the national portal mobile responsive? yes
 no

26 Are log analytics performed on the portal to gain insights into its usage? yes
 no

o If yes, which tool(s) do you use?

Google Analytics, Google Analytics, Graylog <https://graylog.egov.bg/system/overview>

27 If yes, are these insights (e.g., traffic and usage statistics) used to improve the portal?

yes
 no

o If yes, what insights did you gain last year from the reviews of these analytics?

Google Analytics, own portal tool for analytics. We found out which are the most frequently sought data sets from citizens and businesses; Where problems are observed when publishing (automated or manual), improving their quality.

28 How many unique visitors visit the national portal on average per month?

see answer box
 I don't know

o Please fill the average number per month in 2019 and select 'see answer box'

About 20 000 visitor.

29 What is the typical profile of the portal visitor?

Mostly businesses
 Mostly public sector
 Mostly citizens
 A bit of everything, no clear dominant group
 I don't know

30 Does this profile match the type of audience your national portal wants to cater to?

yes, entirely
 yes, but only partially
 no

o If only partially, please specify which audience groups are missing.

o If no, please briefly explain why.

Please fill your answer here.

31 What percentage of the visitors to the national portal is foreign?

see answer box
 I don't know

o Please fill the percentage below and select 'see answer box'.

7%

32 Do you monitor what keywords are used to search for data and content on the portal?

yes
 no

33 Do you take measures to optimise the search and discoverability of content (data and editorial)?

yes
 no

o If yes, please briefly describe.

When approving data from the Portal administrators, additional tags are added to associate the corresponding set with semantically close words and expressions

34 Do you monitor the most and least consulted pages?

yes
 no

35 What are the top five data categories on the portal, with 1 being the most popular one?

see answer box
 I don't know

o Please indicate 1 = category X, 2 = category Y etc. using the categories from Annex I: DCAT-AP Data Categories and select 'see answer box'

Title of the category in line with Annex I: DCAT-AP Data Categories

1 Education, Culture and Sports
2 Agriculture, fisheries and aquaculture, forestry, food
3 Economy and finance
4 Regions, cities
5 Environment

36 What data sets are most frequently consulted on the portal, with 1 being the most popular one?

see answer box
 I don't know

o Please indicate 1 = name dataset X, 2 = name dataset Y etc. and select 'see answer box'

1 Dataset: Results from schools of national external evaluation
2 Dataset: List of sites for the purchase of wild mushrooms and/or berries
3 Dataset: Average success from the national external evaluation – 7 grade on subjects in points for 2019
4 Dataset: Commercial Register
5 Dataset: Register of concessions for mining of underground resources

37 Is the metadata on your portal available in clear plain language as well to enable both humans and machines to read and understand it?

yes
 no

o If no, please briefly explain why.

Please fill your answer here.

38 Is the metadata describing the data sets accessible via a publicly available API ?

yes
 no

39 Do you run log analytics on the API usage?

yes
 no

40 If yes, what percentage of outgoing portal traffic is generated by API usage only?

see answer box
 I don't know

o Please fill the percentage below and select 'see answer box'.

5%

3.3 Data provision

41 Do all public sector data providers contribute data to the portal?

yes
 no

o If yes, what is the agreed approach?

o If no, please briefly explain why (e.g. technical incompatibilities, governance aspects, low awareness etc).

Art. 15b. (new, SG No. 97 of 2015, effective 12.01.2016) (1) each public sector organisation shall annually plan the phased publication on the Internet in an open format of the data sets and resources it maintains, access to which it is free.

(2) The executive authorities shall include in the annual activity objectives of the relevant administration under Article 33a of the Administration Act aims to ensure the phased publication on the Internet of the data and resources under paragraph. 1.

(3) (Add. – SG, iss. 50 of 2016, effective 01.07.2016) The Council of Ministers shall, on a proposal from the Chairperson of the State eGovernement Agency, adopt a list of datasets to be published in an open format on the Internet.

The changes obliged all public sector organizations to publish prioritized public information in an open format on the Open Data Portal. Public organizations are obliged to elaborate publication schedules on an annual basis, to open pro-actively data sets in machine-readable format with priority and to upload those to the Open Data Governmental Portal. The Act and the secondary legislation settle the public information reuse in open format and data licenses.

42 If no, did you identify the data providers that are not yet publishing data on the national portal?

yes
 no

43 Were there concrete actions taken to assist these data providers with their publication process?

yes
 no

o If yes, could you provide some examples of the actions taken in this regard.

There were trainings and handbooks to help them in publication process. There are consultations by email or by phone if necessary.

44 Does the national portal enable access to real-time or dynamic data?

yes
 no

o If yes, please provide URLs to real-time and/or dynamic data featured via the national portal.

<https://data.egov.bg/stats?section=1&item=1>

45 If yes, what percentage of metadata links to such data?

>30%
 21-30%
 11-20%
 1-10%

46 Does the national portal provide a section where non-official data (not stemming from official sources, such as crowd-/ community-contributed data) can be published?

yes
 no
 not applicable

o If yes, please provide the URL to this section.

o If not applicable, please briefly explain why.

Please fill your answer here.

3.4 Portal sustainability

47 Does the national portal have a strategy to ensure its sustainability?

yes
 no

o If yes, please provide the URL to this document.

<https://data.egov.bg/document/view/13>

48 Does this strategy include a description of the portal's target audience and measures to reach this audience?

yes
 no

49 Do you take actions to promote the national portal's activities and the available open data?

yes
 no

o If yes, please provide at least one example of such activities.

Open Data Conference - Challenges and Opportunities for Development
<https://www.bnr.bg/post/101203370/konferencia-na-tema-otvorenite-danni-predizvikatelstva-i-vazmojnosti-za-razvitiie-v-sofia>; The Institute of Public Administration organized the trainings in the period from June 2019 to May 2020; Promoting open data and the National Portal via Twitter;

50 Is your national portal active on social media ?

yes
 no

o If yes, please provide the URL(s) to your social media accounts.

<https://twitter.com/DataEgov>

51 Are the portal's source code as well as relevant documentation and artifacts made available to the public?

yes
 no

o If yes, please provide platform name and the URL to the portal's account on this platform.

GitHub
<https://github.com/governmentbg/data-gov-bg>

52 Was there a user satisfaction survey concerning the national portal conducted in the past year? yes
 no

o If yes, please briefly describe the key findings gained through this survey.

In the past year, two surveys were conducted – users and administrators aimed at a cognitive and satisfactory aspect via EU Survey Platform.

There is no enough acknowledgement about the portal and its usage.

53 Is there a process by which the portal is reviewed and improved regularly? yes
 no

o If yes, please briefly describe this process.

Yes, the data that is published and updated on the Portal awaits approval from the controllers who observe the completeness and quality of the data, giving feedback on identified inaccuracies

54 If yes, what is the frequency of these reviews? quarterly
 bi-annually
 annually
 less frequently

55 Does the portal provide a monitoring of performance indexes in terms of the number of datasets published, the distribution across categories, number of visitors and how these changed over time? yes
 no

o If yes, please provide the direct-URL to this feature.

Please fill your answer here.

56 If yes, by what percentage has the number of datasets available on your portal increased compared to the same period last year? >30%
 1-30%
 <=0%

o If the number decreased, could you explain why?

Please fill your answer here.

57 Does this monitoring allow data publishers to view the main performance indexes for their metadata or data featured on the national portal? yes
 no

o If yes, please provide the direct-URL to this feature.

Please fill your answer here.

End of Dimension 3: Open Data Portal

This section is completed

Dimension 4: Open Data Quality

Please fill out all the questions by selecting the answer option by marking it with an "x" in the boxes. If applicable, please provide additional information in the grey text box containing "Please fill your answer here".

Question

Answer options

4.1 Currency and completeness

- 1 Is there a pre-defined approach to ensure that metadata is kept up-to-date? yes
 no
- o If yes, please briefly describe your approach.
Please fill your answer here.
- 2 What percentage of the metadata is obtained from the source automatically, rather than edited manually? 100%
 90-99%
 70-89%
 50-69%
 30-49%
 <30%
- 3 To what degree is the metadata describing the datasets available on the national portal updated within 1 day from the moment its primary source is updated? All datasets
 The majority of datasets
 Approximately half of the datasets
 Few datasets
 None of the datasets
- o What type of data does this mainly concern?
ecological, transport, economics
- 4 Excluding the metadata that is updated within 1 day, to what degree is the metadata describing the datasets available on the national portal updated within 1 week from the moment its primary source is updated? All datasets
 The majority of datasets
 Approximately half of the datasets
 Few datasets
 None of the datasets
- o What type of data does this mainly concern?
Please fill your answer here.
- 5 Excluding the metadata that is updated within 1 week, to what degree is the metadata describing the datasets available on the national portal updated within 1 month from the moment its source is updated? All datasets
 The majority of datasets
 Approximately half of the datasets
 Few datasets
 None of the datasets
- o What type of data does this mainly concern?
Please fill your answer here.
- 6 To what degree do the datasets cover the full period from when they were first published until today? (for example, a dataset that started in collecting annual data since 2008, contains the data from 2008 until 2019 or if it is monthly data it contains data from 2008 until april 2020) All datasets
 The majority of datasets
 Approximately half of the datasets
 Few datasets
 None of the datasets
- ### 4.2 Monitoring and measures
- 7 Do you monitor the quality of the metadata available on your portal? yes
 no
- o If yes, please briefly explain how this monitoring takes place. If applicable, please provide the URL to this monitoring mechanism.
A daily review of the updated data for the current day is carried out in order to improve their quality by giving feedback on guidance to take the necessary action.
- 7 Do you publish information on the quality of the metadata available on the portal? yes
 no
- o If yes, please provide the URL to this section. If the information is published e.g. as .csv file, please provide the link to this source.
Please fill your answer here.
- 9 Do you publish guidelines (e.g. written materials) and have tools in place, to assist publishers in choosing an appropriate licence for their data? yes
 no
- o If yes, please provide the URLs to these materials and/or tools.

There is information about licences/term of uses on the portal and in the Ordinance on Standard Terms for Reusing Public Sector Information and Publishing it in Open Format.

"Terms of Use" - Under the Ordinance on Standard Terms for Reusing Public Sector Information and Publishing it in Open Format, the Terms of Use for Publishing Data include the items listed in the drop-down menu. If you wish to post your data sets under different conditions, you can request a new Terms of Service Portal Administrator by selecting the "New Terms" button. In the window that appears, you can fill in the "Description" field of the Terms of Use that you want to add. The rest of the information is filled in automatically. <https://data.egov.bg/help/view/19/22#>

According to Ordinance on Standard Terms for Reusing Public Sector Information and Publishing it in Open Format are available the following standard conditions in annexes:

1. "Creative Rights Sharing." Sharing Shares. - according to Annex 3;
2. "Recognition of copyrights" No derivative and assembly work. " - according to Annex 4;
3. "Recognition of copyrights", without commercial use. - according to Annex 5;
4. "Recognizing copyrights, not using for commercial purposes." Sharing the shared. - according to Annex 6;
5. "Recognition of copyright" No commercial use. "No derivative or collective work." - according to Annex 7.

<https://lex.bg/bg/laws/doc/2136867758>

o If yes, please provide the URLs to these materials and/or tools.

10 Did you develop your own open licence / licencing suite to foster the publication of open data in your country? yes
 no
 not applicable

o If yes, please provide the URL to the document in which this licence is described and briefly describe the main reasons for doing so and the main differences between your country's open licence and the CC licencing suite.

o If not applicable, please briefly explain why.

Please fill your answer here.

11 Do your open data publication/licensing guidelines provide recommendations for the use of Creative Commons (CC) licences or of your own licencing suite? yes, CC licences
 yes, own licences
 no
 not applicable

o If yes, is this mandatory (e.g. prescribed by law) or recommended?

o If not applicable, please briefly explain why.

Mandatory, published on the Portal - <https://data.egov.bg/document/view/15>

12 What percentage of the open data available on the national portal is accompanied by licencing information? >90%
 71-90%
 51-70%
 31-50%
 10-30%
 <10%

13 How has the percentage of data sets accompanied by licencing information changed compared to the same period last year ? increased
 decreased
 remained the same
 I don't know

14 Across all data sets you distribute, how many different licences are used on your portal? 1-4
 5-10
 >10
 I don't know

15 Are there regular activities conducted , or mechanisms in place, to incentivise and / or assist data providers in the publication of data in machine-readable formats? yes
 no

o If yes, please briefly describe.

In the beginning of 2019 started regular online meetings with open data providers about increasing of the quality of the data published on the Open Data Portal, including machine-readable format.

16 Are there regular activities conducted , or mechanisms in place, to incentivise and / or assist data providers in the publication of high-quality metadata? yes
 no

o If yes, please briefly describe.

Coordinating mechanism on place about high value Datasets with national contact points on priority topics under PSI Directive with regular exchange of information and common work. National coordination is under State eGovernment Agency.

Also a working group was established jointly with the Association of Car Manufactures, the Executive Agency Road Transport Administration, the Ministry of Interior – as a data holder and the State e-Government Agency in order to improve the quality of the data published on the portal on Registered road vehicles for a monthly period and their unification in one with the European model of the same data.

4.3 DCAT-AP Compliance

17 Do you supply data providers with documentation on DCAT-AP (e.g. EDP factsheets, materials published on the EC websites such as the JoinUp platform , your own documentation)? yes
 no

o If yes, please provide examples of this documentation and the respective URLs.

<https://data.egov.bg/news/view/14>;

<https://data.egov.bg/document/view/9>; <https://data.egov.bg/document/view/10>

- 18 What is the percentage of metadata on your portal that is DCAT-AP compliant, in terms of mandatory classes? (agent, catalogue, data set, literal, resource)
- >90%
 71-90%
 51-70%
 31-50%
 10-30%
 <10%
 no priority

o If DCAT-AP is not a priority for the portal, please explain why.

Please fill your answer here.

- 19 What is the percentage of metadata on your portal that uses DCAT-AP recommended classes? (category, category scheme, distribution, licence document)
- >90%
 71-90%
 51-70%
 31-50%
 10-30%
 <10%
 no priority

o If the use of recommended classes is not a priority for the portal, please explain why.

Please fill your answer here.

- 20 What is the percentage of metadata on your portal that uses DCAT-AP optional classes? (catalogue record, checksum, document, frequency)
- >90%
 71-90%
 51-70%
 31-50%
 10-30%
 <10%
 no priority

o If the use of optional classes is not a priority for the portal, please explain why.

Please fill your answer here.

- 21 Do you investigate the most common causes for the lack of DCAT-AP compliance?
- yes
 no

- 22 If yes, what are the main causes for the lack of DCAT-AP compliance?
- see answer box
 I don't know

o Please list the most common causes below and select 'see answer box'.

Please fill your answer here.

- 23 What is the percentage of data sets whose metadata provides a reference to where the data can be downloaded, or its API accessed ("download-URL" in the DCAT-AP specification)?
- >90%
 71-90%
 51-70%
 31-50%
 10-30%
 <10%
 0%

- 24 What is the percentage of data sets whose metadata provides a reference to a web page from where the data can be accessed ("access-URL in the DCAT-AP specification)?
- >90%
 71-90%
 51-70%
 31-50%
 10-30%
 <10%
 0%

- 25 Is there a national extension of the DCAT-AP standard developed for your country?
- yes
 no

o If yes, please briefly outline the reasons for this decision, and what the main differences between the national variation and the EU standard are.

o If applicable, please provide the URL to the documentation of the national DCAT-AP extension.

Please fill your answer here.

4.4 Deployment quality and linked data

- 26 Do you use a model (such as the 5-Star Open Data or FAIR) to assess the quality of deployment of data in your country?
- yes
 no

o If yes, please briefly describe.

Please fill your answer here.

- 27 Do you conduct activities to promote and familiarise data providers with ways to ensure higher quality data (such as promoting the model referenced in the previous question)?
- yes
 no

o If yes, please briefly describe.

Please fill your answer here.

- 28 What percentage of datasets is made available under a standard open licence or an explicit custom open licence, in any data format including text documents?
- >90%
 71-90%
 51-70%
 31-50%

- 29 How has the percentage of data sets accompanied by licensing information changed compared to the same period last year?
- 10-30%
 <10%
- 30 Of the percentage indicated in the previous question (Question 28), what percentage of datasets is made available under a standard open licence or an explicit custom open licence, in a structured data format?
- already >90% or increased
 decreased
 remained the same
 I don't know
- 31 Of the percentage indicated in the previous question (Question 30), which part is also in an open and machine-readable format?
- >90%
 71-90%
 51-70%
 31-50%
 10-30%
 <10%
- 32 Of the percentage indicated in the previous question (Question 31), what percentage of datasets also consistently use Uniform Resource Identifiers?
- >90%
 71-90%
 51-70%
 31-50%
 10-30%
 <10%
- 33 Of the percentage indicated in the previous question (Question 32), what percentage of datasets also links to other renowned sources to provide additional context for the users, e.g. in a linked data fashion?
- >90%
 71-90%
 51-70%
 31-50%
 10-30%
 <10%

End of Dimension 4: Open Data Quality

This section is completed