

Action Plan of the Open Data Strategy (2018-2020)

GOVERNMENT OF THE REPUBLIC OF MACEDONIA

MINISTRY OF INFORMATION SOCIETY AND ADMINISTRATION

List of acronyms

CCM	Center for Change Management
CICT	Council for ICT
FITD	Fund for Innovations and Technological Development
ICT	Information communication technologies
MCTA	Minister in Charge for Communication And Transparency
MES	Ministry of Education and Science
MISA	Ministry of Information Society and Administration
NGO	Non-Government Organization
ODTF	Open data task force

STRATEGIC PRIORITY 1: ENABLING ENVIRONMENT FOR OPEN DATA

Indicator of strategic priority 1: Number of datasets published on the central open data portal

ID	Measures / Activities	Responsible organization	Involved organizations	Timeline	Budget (MKD)	Sources of financing	Indicators	Sources of verification
M1	Adopting the international open data charter	Government	MISA, MFA, KPVRM	01.08.2018 – 30.09.2018	/	/	Signed declaration for adoption of the open data charter by a high Government official	International open data charter
A1.1	Signing an adoption statement of the open data charter	Government	MISA, MFA, KPVRM	01.08.2018 – 30.09.2018	/	/	Signed adoption statement of the open data charter by a high government official	International open data charter
M2	Adoption of new Law on Open Data	SRM	MISA, Government	01.01.2019 – 30.06.2019	/	/	New Law adopted	Official Gazette of the Republic of Macedonia
A2.1	Analysis of the current Law on Use of Public Sector Data for compliance with the EU directive on the re-use of public sector information	MISA	ODTF, NGOs	01.01.2019 – 30.04.2019	/	Potential donor assistance	PVR Report and corresponding tables	Official Gazette of the Republic of Macedonia
A2.2	Analysis of the bylaw on the minimal technical possibilities of the public institutions to publish data and the technical aspects of the data format and the manner of their publishing	MISA	ODTF, NGOs	01.04.2019 – 01.09.2019	/	Potential donor assistance	Amendments made to the bylaw	Official website of MISA
M3	Improving the quality and usability of the datasets	MISA	Government	01.07.2018 – 31.08.2018	/	/	Adopted licensing model for open data	Central open data portal
A3.1	Choosing a licensing model for open data and incorporating it in the open data portal	MISA	Government	01.07.2018 – 31.08.2018	/	/	Adopted licensing model for open data	Central open data portal

ID	Measures / Activities	Responsible organization	Involved organizations	Timeline	Budget (MKD)	Sources of financing	Indicators	Sources of verification
A3.2	Developing a national standard for meta data	MISA	Government	01.07.2008 – 31.08.2018	/	/	Drafted national standard for open data	MISA web site
A3.3	Adoption of the licensed model and the national metadata standard by the Government	MISA	Government	01.09.2018 – 30.09.2018	/	/	Adopted national standard for metadata and licensed model	Central portal for open data data.gov.mk
M4	Upgrade of the national open data portal	MISA	CCM, state institutions	01.06.2018 – 31.08.2018	3.877.000,00	Donors	Active portal for open data	Central open data portal data.gov.mk
A4.1	Implementation of the new open data platform	MISA	CCM, state institutions	01.06.2018 – 31.08.2018	3.877.000,00	Donors	Published new open data portal data.gov.mk	Central open data portal data.gov.mk
M5	Enhancing capacities of MISA for open data	MISA	International experts	01.06.2018 – 31.12.2020	1.200.000,00	MISA / international experts	Percentage of employees in the MISA in charge for open data	Resolution on established structure
A5.1	Establishing structure for open data in the MISA	MISA	/	01.07.2018 – 31.08.2018	/	/	Number of persons working in the structure for open data	Resolution on established structure
A5.2	Organizing advanced trainings for the MISA team on open data	MISA	International experts	01.09.2018 – 31.12.2020	1.200.000,00	MISA / donors	Number of conducted advanced trainings; Received certificates	Reports from conducted trainings
M6	Developing organisational mechanism for opening data of state institutions	MISA	CICT, ODTF	01.07.2018 – 31.10.2018	/	/	Organizational mechanism for open data by the state institutions is established	Number of meetings of the task force

ID	Measures / Activities	Responsible organization	Involved organizations	Timeline	Budget (MKD)	Sources of financing	Indicators	Sources of verification
A6.1	Forming the Open Data Task Force (ODTF)	MISA	State institutions, private sector, academia, civil society	01.07.2018 – 01.09.2018	/	/	Open Data Task force established	Resolution on establishment of task force
A6.2	Developing ToR for open data managers	MISA	CBPM, MCTA, ODTF, State institutions	01.08.2018 – 31.09.2018	/	/	Defined responsibilities of open data managers	ToR for the operational mechanism of opening data in state institutions defined
A6.3	Developing work plan for the organizational mechanism (manner of cooperation, exchange of information, recommendations)	MISA	CBPM, ODTF,	01.08.2018 – 31.10.2018	/	/	Developed work plan	Developed work plan
M7	Enhancing capacities of open data managers in the state institutions	MISA	State institutions	01.06.2018 – 31.12.2020	1.500.000,00	MISA / donors	Percentage of open data managers with acquired at least 2 certificates per year	Training reports
A7.1	Nominating open data managers in the institutions	State Institutions	MISA	01.08.2018 – 30.09.2018	/	/	Number of open data managers from institutions	Nominations from institutions
A7.2	Developing curricula for training of open data managers	MISA	ODTF, State institutions	01.09.2018 – 31.10.2018	300.000,00	MISA / donors	Curricula developed	Training curricula
A7.3	Conducting training to open data managers on open data	MISA	ODTF, State institutions	01.11.2018 – 31.12.2020	1.200.000,00	MISA / donors	Attendance percentage on the trainings	Training reports
M8	Adopting a methodology for identification, catalogization and prioritization of datasets	MISA	ODTF, State institutions, CCM, NGOs, NICTC	01.09.2018 – 30.11.2018	150.000,00	MISA / donors	Percentage of open data managers with knowledge on identification, catalogization and	Official Gazette of the Republic of Macedonia

ID	Measures / Activities	Responsible organization	Involved organizations	Timeline	Budget (MKD)	Sources of financing	Indicators	Sources of verification
							prioritization of datasets	
A8.1	Developing the methodology in the part for identification of datasets	ODTF	MISA, CICT, State institutions, CCM, NGOs	01.09.2018 – 30.09.2018	35.000,00	Donor	Draft version of part of the methodology	Draft version of the Methodology
A8.2	Developing the methodology in the part for catalogization of datasets	ODTF	CICT, State institutions, CCM, NGOs	01.10.2018 – 31.10.2018	35.000,00	Donor	Draft version of part of the methodology	Draft of the Methodology
A8.3	Developing the methodology in the part for prioritization of datasets	ODTF	CICT, State institutions, CCM, NGOs	01.10.2018 – 31.10.2018	35.000,00	Donor	Draft version of part of the methodology	Methodology Proposal

STRATEGIC PRIORITY 2: INSTITUTIONS OPEN UP THEIR DATA

Indicator of strategic priority 2: Position of Macedonia on the Global Open data index

ID	Measures / Activities	Responsible organization	Involved organizations	Timeline	Budget (MKD)	Sources of financing	Indicators	Sources of verification
M9	Developing catalogue of datasets of the state institutions	Ministries	MISA, ODTF	01.09.2018 – 31.12.2020	1.200.000,00	MISA / donors	Percentage of Ministries with published open dataset catalogues	Central open data portal data.gov.mk
A9.1	Developing datasets catalogue of the Ministries	Ministries	MISA, ODTF	01.09.2018 – 31.12.2020	1.200.000,00	MISA / donors	Percentage of public sector institutions with developed catalogues	List of institutions with developed catalogues
A9.2	Publishing dataset catalogues of the Ministries on the national open data portal	Ministries	MISA, ODTF	01.09.2018 – 31.12.2020	/	MISA	Catalogue published on the national open data portal	Central open data portal data.gov.mk
M10	Conducting research on the needs for open data by stakeholders	MISA	State institutions, NGOS, private sector, academia, general public	01.10.2018 – 31.12.2018	600.000,00	MISA / donors	Number of datasets identified as valuable to the community	Report from the research on the needs of data
A10.1	Consultations with the expert public on the open data through meetings and round tables	MISA	State institutions, NGOS, ODTF, private sector, academia, general public	01.08.2018 – 30.09.2018	300.000,00	MISA / donors	Number of roundtables and meetings, and experts involved	List of participants, roundtables and meetings
A10.2	Conducting public opinion survey on needs for open data	MISA	State institutions, NGOS, private	01.12.2018 – 31.12.2018	300.000,00	Donors	Number of respondents	Survey results

ID	Measures / Activities	Responsible organization	Involved organizations	Timeline	Budget (MKD)	Sources of financing	Indicators	Sources of verification
			sector, academia general public					
A10.3	Summarizing of the results from the open data needs survey	MISA	NGOs, ODTF	15.01.2019- 15.02.2019	/	/	Report	Data.gov.mk
M11	Identifying key registries which contain public data for digitalisation and development of state-of-the-art IT systems	MISA	State institutions	01.09.2018 – 01.03.2019	300.000,00	MISA / donors	Number of registries that need to be digitalized	Analysis on key registries
A11.1	Analysis of the open data registries that need to be digitalized in the Ministries	MISA	State institutions	01.09.2018 – 01.03.2019	300.000,00	MISA / donors	Analysis drafted	Analysis on key registries
M12	Stage-by-stage process of opening data by state institutions	MISA	ODTF, State institutions	01.09.2018 – 31.12.2020	12.000.000,00	Budget of RM / donors	Number of open datasets	Central open data portal
A12.1	Defining a stage-by-stage process of opening data by state institutions	MISA	ODTF, State institutions	01.09.2018 – 31.12.2018	/	/	Number of state institutions to open data by phases	Roadmap of opening data
A12.1	Opening data of state institutions in the defined phases	State institutions	CICT, MISA	01.01.2019 – 31.12.2020	12.000.000,00	Budget of RM / donors	Number of open datasets	Central open data portal

STRATEGIC PRIORITY 3: INCREASED USAGE OF OPEN DATA

Indicator of strategic priority 3: Transparency index of the country; Rate of economic development based on open data

ID	Measures / Activities	Responsible organization	Involved organizations	Timeline	Budget (MKD)	Sources of financing	Indicators	Sources of verification
M13	Conducting training on open data for the state institutions	MISA	State institutions	01.01.2019 – 01.03.2020	1.050.000,00	MISA / donors	Percentage of administrative servants with fundamental knowledge for open data	Survey on open data awareness in the administration
A13.1	Developing curricula for training on open data for administrative servants	MISA	State institutions	01.01.2019 – 28.02.2019	150.000,00	MISA / donors	Developed curricula for training on open data	Curricula for training on open data
A13.2	Incorporating open data training in the generic training program for administrative servants	MISA	/	01.02.2019 – 31.03.2019	/	/	Open data training included in the generic training program	Generic training program for the administrative servants
A13.3	Developing modules for electronic training	MISA	/	01.03.2019 – 01.09.2018	300.000,00	MISA / donors	Developed modules for the LMS system and micro-learning; Number of developed modules for electronic training;	LMS system; Micro-learning system
A13.4	Providing trainings on open data for administrative servants	MISA	State institutions	01.03.2019 - 31.12.2020	600.000,00	MISA / donors	Number of administrative servants that received training	Report on implementation of the generic training program

ID	Measures / Activities	Responsible organization	Involved organizations	Timeline	Budget (MKD)	Sources of financing	Indicators	Sources of verification
M14	Organizing national conferences on open data	MISA	State institutions, NGOs, media, Academia	01.01.2019 - 01.04.2020	600.000,00	MISA / donors	Number of participants	Reports in media
A14.1	Organizing the First Annual Open Data Conference	MISA	State institutions, NGOs, media, Academia	03.03.2019	300.000,00	MISA / donors	Number of participants	Reports in media
A14.2	Organizing the Second Annual Open Data Conference	MISA	State institutions, NGOs, media, Academia	03.03.2020	300.000,00	MISA / donors	Number of participants	Reports in media
M15	Increasing of public awareness and informing of the benefits of open data	MISA	NGOs/ donors	30.09.2018 - 30.06.2020	1.600.000,00	Donors	Number of stakeholders reached through the promotional campaign	Report from the promotional campaign implemented
A15.1	Public events for awareness raising among open data stakeholders (NGOs, private sector, academia and general public) for the concept and benefits from open data	MISA	State institutions, NGOS, private sector, academia, general public	01.09.2018 – 31.10.2018	1.000.000,00	MISA / donors	Results from the survey on the open data perception	Communication plan and final survey report
A15.2	Promotional campaign for increasing public awareness and informing of the benefits of open data in the traditional and social media	MISA	NGOs/ Donors	30.06.2018 - 30.06.2020	600.000,00	MISA / donors	Promotional campaign in the traditional and social media	Promotional campaign

ID	Measures / Activities	Responsible organization	Involved organizations	Timeline	Budget (MKD)	Sources of financing	Indicators	Sources of verification
M16	Promotion of the functionalities of the national open data portal	MISA	MISA	01.97.2018 - 28.02.2019	100.000,00	MISA / donors	Engagement with the portal's functionalities	Administrator reports from the open data portal
A16.1	Promotion of the functionalities of the national open data portal on social media	MISA	MISA	01.09.2018 - 28.02.2019	40.000,00	MISA / donors	Number of posts on the social networks and number of readers	Social networks of the MISA
A16.2	Promotion of the functionalities of the national open data portal on traditional media	MISA	MISA	01.09.2018 - 28.02.2019	60.000,00	MISA / donors	Number of publishing in the traditional media	TV and radio articles
M17	Delivering workshops on data literacy	MISA	NGOs, media, Academia	01.01.2019 - 02.03.2020	750.000,00	MISA / donors	Number of civil society representatives, journalists and academics with fundamental knowledge for open data	Online promotion for data driven analysis and visualizations published by NGOs and journalists
A17.1	Developing curricula for 'data literacy' workshops for NGO representatives, academia and journalists	MISA	NGOs, media, Academia	01.01.2019 - 28.02.2019	150.000,00	MISA / donors	Developed curricula for 'data literacy' workshops	Curricula for 'data literacy' workshops

ID	Measures / Activities	Responsible organization	Involved organizations	Timeline	Budget (MKD)	Sources of financing	Indicators	Sources of verification
A17.2	First Open Data Bootcamp	MISA	State institutions, NGOs, media, Academia	01.03.2019 - 02.03.2019	300.000,00	MISA / donors	Number of participants, number of produced data driven research, investigations, visualizations	Published data driven research, investigations, visualizations
A17.3	Second Open Data Bootcamp	MISA	SMEs, startups, Academia	01.03.2020 - 02.03.2020	300.000,00	MISA / donors	Number of participants, number of produced data driven research, investigations, visualizations	Published data driven research, investigations, visualizations
M18	Organizing Hackathons	MISA	SMEs, start-ups, , Academia	01.10.2019 - 31.06.2020	3.330.000,00	MISA / donors	Number of participants at the hackatons	Developed ideas for mobile and web-applications
A89.1	Open call for Hackaton participation	MISA	SMEs, start-ups,, Academia	01.01.2019 - 28.02.2019	30.000,00	MISA / donors	Number of applications at the open call	
A18.2	First annual Hackaton	MISA	SMEs, start-ups,, Academia	16.03.2019	600.000,00	MISA / donors	Open data based applications developed	Announcement for organization of a Hackathon published at the MISA and data.gov.mk

ID	Measures / Activities	Responsible organization	Involved organizations	Timeline	Budget (MKD)	Sources of financing	Indicators	Sources of verification
A18.3	Open call for regional Hackaton	MISA	SMEs, start-ups,, Academia	01.12.2019 - 28.02.2020	300.000,00	MISA / donors	Number of applications at the open call	Announcement about the open call
A18.4	Regional Hackaton	MISA	SMEs, start-ups,, Academia	14.03.2020	2.400.000,00	MISA / donors	Open data based applications developed	Announcement for organization of a Hackathon published at the MISA and data.gov.mk
M19	Providing support to start-ups that base their business on open data	FITD	ODTF	31.01.2019 - 03.03.2020	3.660.000,00	Fund for Innovations	Number of grants for start-up companies	Number of developed data driven applications by supported start-up companies
A19.1	Publishing First Open Call for Data Driven Start-up Grants	FITD	ODTF	01.01.2019 – 31.03.2019	30.000,00	Fund for Innovations	Number of applications	Number of applications
A19.2	Providing first round of three Grants for Data Driven Start-up Companies in Macedonia	FITD	ODTF	01.04.2019 – 31.05.2019	1.800.000,00	Fund for Innovations	Number and size of grant contracts	Grant contracts
A19.3	Publishing second Open Call for Data Driven Start-up Grants	FITD	ODTF	01.01.2020 – 31.03.2020	30.000,00	Fund for Innovations	Number of applications	Number of applications

ID	Measures / Activities	Responsible organization	Involved organizations	Timeline	Budget (MKD)	Sources of financing	Indicators	Sources of verification
A19.4	Providing second round of three grants for Data Driven Start-up Company in Macedonia	FITD	ODTF	01.04.2020 – 31.05.2020	1.800.000,00	Fund for Innovations	Number and size of grant contracts	Grant contracts
M20	Including data literacy in the educational system	MES	ODTF, MISA	01.01.2020 - 30.04.2020	120.000,00	MES	Number of educational institutions providing data literacy in their curricula	Report from MES
A20.1	Analysis for including data literacy in the educational system	MES	ODTF, MISA	01.01.2020 - 30.04.2020	120.000,00	MES	Drafted analysis	Drafted analysis
A20.2	Implementing recommendations from the analysis for including data literacy in the educational system	MES	ODTF, MISA	01.04.2020 – 30.08.2020	/	/	Number of recommendations implemented	Report on implementation of the recommendations