





## FLOWMINDER.ORG

## **MPD Initiative Maturity Framwork Summary**

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A constrained and a set of the data is the se	haring data controller	Alignment of business strategy with data sharing ( <i>if not regulator or government agency</i> ) Engagement of technical management at data co Understanding of drivers of data controller engage	(s) (e.g. Mobile Network Operator (s) (MNOs), telecommunications	2. DER ENGAGEMENT AND		
Consistent and control sector and control sect	es at data user(s) opportunity ator	Engagement of telecommunications regulator	g. National Statistical Office (NSO), other Ministries, Departments and Agencies (MDAs))			
Partnership-level data coverage Sufficient geographic coverage of the (combined here and software) and the back of an implicating MACs is the below metabolity of the data controller is the below metabolity of coverage data for metabolity of coverage data for metabolity of coverage data for MACs is an address of participating and reliability of coverage data for MACs is and the data controller is the below MACs is an address of participating and metabolity of coverage data for MACs is and the data controller is the below MACs is an address of participating and metabolity of coverage data for MACs is an address of participating and metabolity of coverage data for MACs is an address of participating and metabolity of coverage data for MACs is an address of participating and metabolity of coverage data for MACs is an address of participating and metabolity of coverage data for metabolity of data controller is barbolic data data and success for MACs is an address of antivide is the decommetabolity of coverage data for metabolity and metabolity of coverage data for metabol	and agencies on regulator) stakeholder's willingness ies, obligations	Engagement of other relevant regulators and age (e.g. national security agencies, information regulators) Documentation <i>in writin</i> g describing each stakeh orientation towards the initiative, including willing that it proceed, commitments to other parties, ob and rights/expectations/authority within the agree Governance structures Conflict resolution process	Partnership-level alignment			
Pertnership-level data coverage Sufficient geographic coverage of the (combined method): 97 methods and method is a participating MACs. Note: If the data controller is the telecomore guidator and is mandated to require MAD to the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is mandated to require MAD to the data controller is the telecomore guidator and is the data controller is the telecomore guidator and is the data controller is the telecomore guidator and is the data controller is the telecomore guidator and is the data controller is the telecomore guidator and is the data controller is the telecomore guidator and is the data controller is the telecomore guidator and is the data controller is the telecomore guidator and is the data controller is the telecomore guidatore and guidatore data controller is the telecomore guidatore data cont	e the ess the and process nd complexity) e export of l indicators	Approvals processes for release of data / produce Access to necessary infrastructure to <i>store</i> the necessary volumes of MPD Access to necessary infrastructure to <i>process</i> the necessary volumes of MPD Necessary tools to appropriately manage and pro- the quantity of data (volume, frequency, and corr (e.g FlowKit) Suitable tools and processes for the secure expo MPD-derived anonymised aggregates and indica	Data Controller(s) (e.g. Mobile Network Operator(s) (MNOs),	4. BILITY OF DATA ENVIRONMENT BILITY OF DATA ENVIRONMENT		
Partnership-level data coverage Sufficient geographic coverage of the (combined here and software) and the back of an implicating MACs is the below metabolity of the data controller is the below metabolity of coverage data for metabolity of coverage data for metabolity of coverage data for MACs is an address of participating and reliability of coverage data for MACs is and the data controller is the below MACs is an address of participating and metabolity of coverage data for MACs is and the data controller is the below MACs is an address of participating and metabolity of coverage data for MACs is an address of participating and metabolity of coverage data for MACs is an address of participating and metabolity of coverage data for MACs is an address of participating and metabolity of coverage data for MACs is an address of participating and metabolity of coverage data for metabolity of data controller is barbolic data data and success for MACs is an address of antivide is the decommetabolity of coverage data for metabolity and metabolity of coverage data for metabol	derived from	Suitable data security tools and processes for the storage and analysis of MPD-derived anonymise	<i>(e.g. National Statistical Office (NSO), other Ministries, Departments and Agencies</i>			
Image: Section of the section of th	data from all ommunications from all to be ined) data from all ommunications from all to be icipating MNO data from all ommunications from all to be or cell towers for cell towers for cell towers for cell towers for cell towers and on mobility istrative unit g GIS data prints, of important ility dataset	Note: if the data controller possesses the data from MNOs (e.g. the data controller is the telecommune regulator and is mandated to require MPD from a MNOs) then all MNOs can be considered to be participating Sufficient representativeness of the (combined) subscriber base of participating MNO(s) Note: if the data controller possesses the data from MNOs (e.g. the data controller is the telecommune regulator and is mandated to require MPD from a MNOs) then all MNOs can be considered to be participating Sufficient (combined) market share of participating Sufficient (combined) market share of participating Sufficient (combined) market share of participating Sufficient (combined) market or require MPD from a MNOs (e.g. the data controller is the telecommune regulator and is mandated to require MPD from a MNOs) then all MNOs can be considered to be participating Sufficient (combined) market share of participating Sufficient (combined) market share of participating Availability and reliability of location data for cell Availability and reliability of coverage data for cell Availability, reliability and frequency of surveys containing modules on mobile phone use and on or expenditure (as required for use cases) Availability of definitive GIS data on administrative boundaries Availability of complementary data sets (e.g GIS relevant to use cases (roads, building footprints, geographic features, hazard maps), dates of impevents such as public holidays, other mobility da such as public transit or tourism data) Interoperability of data between Data Users and between Data Users and providers of complementery data sets (complementery data sets (complementery data)	Availability and suitability of cell data Availability and suitability of cell data Suitability of complementary data Suitability of complementary data sources from data end-users (e.g. National Statistical Office (NSO), other Ministries, Departments			
Network Operator(s) (MNOs), Telecommunications Regulator)       engineers         Availability and skillset of data scientists/anal staff         Availability and understanding of communical corporate affairs staff         Availability of continued professional develop and training opportunities         Recruitment and succession planning process         Data Users (e.g. National Statistical Office (NSO), other Ministries, Departments and         Availability and skillset of data scientists and Availability and skillset of survey statisticians		Acceptance of "experimental" and non-official sta				
Ministries, Departments and Availability and skillset of survey statisticians	nalysts and BI ications and lopment (CPD)	Availability and skillset of data scientists/analysts staff Availability and understanding of communication corporate affairs staff Availability of continued professional development	Network Operator(s) (MNOs),	S. RE CAPA BILITY		
Availability and understanding of communica Availability of continued professional develop and training opportunities	nd analysts ns nanagers ications staff lopment (CPD)	Organisational HR strategy for data science and Availability and skillset of data scientists and ana Availability and skillset of survey statisticians Availability and understanding of project manage Availability and understanding of communication Availability of continued professional development and training opportunities Recruitment and succession planning processes	Statistical Office (NSO), other Ministries, Departments and	I RES		
Section and use of whole of the section of applications identified and scoped  Implementation of applications  Applications of MPD for official statistics have developed and implemented  Sharing, publication and use of other of the section of the	ave been PD being PD being	Applications of MPD for official statistics have be developed and implemented Data products and reports derived from MPD be	mplementation of applications Sharing, publication and use of		a ci e	
	PD, including e dentifying and	Governance structure and processes for identify mitigating risks Independent oversight and transparency of decis	considerations Suitability of ethical oversight	7. TIFICAT DF AND TECTIO SAINST SUSE		
maintenance of the partnership (e.g. governa processes)	ing rnance er(s) has	Maintenance of the data pipeline Sustainable model for financing the on-going maintenance of the partnership (e.g. governance processes) Length of time for which the Data Controller(s) has agreed to share the data	the initiative Propects for on-going	PROSPECTS	<b>Sustainability</b> To what extent do current structures and processes enable the long-term use of MPD for official statistics?"	oility
Generative       Capacity of stakeholders to maintain the data pipeline independent of (routine) external support (e.g. Technical Service Provider)         Capacity of stakeholders to maintain the data pipeline independent of (routine) external support (e.g. Technical Service Provider)         Capacity of the Data User(s) to analyse MPD existing use cases independent of (routine) existence	ain the data support (e.g. PD to maintain e) external nd implement	Capacity of the Data Controller(s) to maintain the pipeline independent of (routine) external suppor Technical Service Provider) Capacity of the Data User(s) to analyse MPD to exisiting use cases independent of (routine) exte	Capacity of stakeholders to maintain the data pipeline	SUSTAINABILITY		