



Dimension	Maturity stage				Comments
	Tick the box that applies				
	Pre- foundation	Foundation	Practitioner	Expert	
SUITABILITY OF GOVERNANCE AND LEGAL ENVIRONMENT					
<i>Legal &amp; regulatory framework</i>					
<ul style="list-style-type: none"><li>● Comphension of relevant legislation and regulations regarding MPD (e.g. data protection and privacy, telecommunications, statistics)</li></ul>					
<ul style="list-style-type: none"><li>● Stability of legislation and regulations</li></ul>					
<i>Data controller(s) (i.e. MNOs or telecommss regulator) data governance policies</i>					
<ul style="list-style-type: none"><li>● Policies on the secure storage and processing of MPD</li></ul>					
<ul style="list-style-type: none"><li>● Policies on the export of MPD-derived data products</li></ul>					
<i>Data end-users (e.g. NSO or other MDAs) data governance policies</i>					
<ul style="list-style-type: none"><li>● Policies on the safe analysis of MPD-derived data products</li></ul>					
<ul style="list-style-type: none"><li>● Policies on the safe publication of MPD-derived statistics</li></ul>					
<i>Public perception</i>					
<ul style="list-style-type: none"><li>● Public understanding and acceptance of the use of MPD</li></ul>					
STAKEHOLDER ENGAGEMENT AND ALIGNMENT					
<i>Data controller(s) (MNOs or telecomms regulator)</i>					
<ul style="list-style-type: none"><li>● Organisational culture and business strategy aligned regarding data and data sharing</li></ul>					
<ul style="list-style-type: none"><li>● Engagement of technical management</li></ul>					
<ul style="list-style-type: none"><li>● Understanding of drivers of data controller engagement (e.g. incentives, regulations)</li></ul>					
<i>Data user(s) (NSO or other MDAs)</i>					
<ul style="list-style-type: none"><li>● Organisational culture and leadership at data controller regarding data and data sharing</li></ul>					
<ul style="list-style-type: none"><li>● Engagement of technical management</li></ul>					
<ul style="list-style-type: none"><li>● Clear 'demand-side' application opportunity communicated by senior managers</li></ul>					
<i>Regulatory bodies</i>					
<ul style="list-style-type: none"><li>● Engagement of telecommunications regulator</li></ul>					
<ul style="list-style-type: none"><li>● Engagement of data protection agency</li></ul>					
<ul style="list-style-type: none"><li>● Engagement of other relevant regulators and agencies (e.g. national security, information regulator)</li></ul>					
<i>Partnership-level alignment</i>					
<ul style="list-style-type: none"><li>● Documentation of partnership (e.g. MoUs, signed agreements)</li></ul>					
<ul style="list-style-type: none"><li>● Governance, conflict resolution, and risk management processes</li></ul>					
<ul style="list-style-type: none"><li>● Approvals process for the publication of data products</li></ul>					
SUITABILITY OF DATA INFRASTRUCTURE					



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<b><i>Data Controller(s) (MNOs or telecomms regulator)</i></b>					
• Access to necessary infrastructure to store and process the necessary volumes of MPD					
• Necessary software tools to appropriately manage and process the quantity of data					
• Suitable tools and processes for the secure export of MPD-derived anonymised aggregates and indicators					
<b><i>Data user(s) (NSO or other MDAs)</i></b>					
• Access to necessary hardware to process anonymised aggregates and/or indicators derived from MPD					
• Suitable data security tools and processes for the secure storage and analysis of MPD-derived anonymised aggregates and indicators					
SUITABILITY OF DATA ENVIRONMENT					
<b><i>Partnership-level data coverage</i></b>					
• Market share of participating MNOs					
• Geographic coverage of network					
• Representativeness of subscriber base of participating MNOs					
<b><i>Data Controller (MNOs, telecomms regulator) additional data inputs</i></b>					
• Availability and reliability of location data for cell towers					
• Availability and reliability of coverage data for cell towers					
<b><i>Data end-users (e.g. NSOs and MDAs) additional data inputs</i></b>					
• Availability, reliability and frequency of censuses					
• Availability, reliability and frequency of survey data on phone use and mobility/expenditure					
• Availability of definitive GIS data on administrative unit boundaries					
<b><i>Acceptance and usage of non-traditional data in data end-users (e.g. NSOs and MDAs)</i></b>					
• Production, use and publication of statistics produced using “non-traditional” data sources					
HUMAN RESOURCE CAPACITY AND AVAILABILITY					
<b><i>Data controller(s) (i.e. MNOs or telecomms regulator)</i></b>					
• Availability and skill set of data centre and systems engineers and data scientists					
• Availability of continued professional development (CPD) and training opportunities					
• Recruitment and succession planning processes					
<b><i>Data user(s) (NSO or other MDAs)</i></b>					
• Availability and skill set of data scientists and survey statisticians					
• Availability of continued professional development (CPD) and training opportunities					
• Recruitment and succession planning processes					
IDENTIFICATION AND IMPLEMENTATION OF APPLICATIONS					



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<b>Identification of application</b>					
● Applications of MPD for official statistics have been identified and scoped					
<b>Implementation of applications</b>					
● Applications of MPD for official statistics have been developed and implemented					
<b>Sharing and publication of statistics</b>					
● Statistics and reports derived from MPD being shared and published					
<b>IDENTIFICATION OF AND PROTECTIONS AGAINST MISUSE</b>					
<b>Ethical considerations</b>					
● Awareness and ability to identify the potential for misuse of MPD (accidental or malicious)					
<b>Governance and oversight</b>					
● Existence of governance structure and processes for identifying and mitigating risks					
● Existence of independent oversight and transparency of decision-making					
<b>SUSTAINABILITY PROSPECTS</b>					
<b>Financial sustainability prospects</b>					
● Existence of sustainable models for financing (a) the partnership and (b) the data flow / data pipeline					
<b>Data flow sustainability prospects</b>					
● Clear definition of length of time for which the Data Controller(s) agree to share the data					
● Clear processes in place for the renewal of data access agreements					
<b>Data processing sustainability prospects</b>					
● Data controller capacity to maintain data pipeline (independently or with support of technical service provider/s)					
● Data user capacity to maintain analysis of data for existing and/or new use cases (independently or with support of technical service provider)					