

Earth Intelligence Readiness Matrix

- Note:**
1. The Earth Intelligence Readiness Matrix is a framework for growing Earth Intelligence within the Post-2025 GEO Work Programme. It takes into account critical parameters that will drive the successful delivery of Earth Intelligence for all.
 2. This matrix applies to the R2O pipeline activities.
 3. The matrix can be used as both the PB review criteria of activity proposals and self-assessment tool for activities.
 4. Each level (Basic, Intermediate, Advanced and Optimized) of a certain indicator describes the entry point metric (minimal requirements) of that category.
 5. Optimized (Mature Flagship) is the exit point of the R2O pipeline.
 6. Accelerator is part of the R2O pipeline with a speedy development process. It uses same criteria as other categories, with certain conditions to trigger the acceleration.
 7. The proposal template for R2O pipeline activities is developed based on this matrix to collect the necessary information.

Parameter	Parameter Description	Indicator	Indicator Description	1 - Pilot (Basic)	2- Initiative (Intermediate)	3- Flagship (Advanced)	4- Mature Flagship (Optimized /sustained service)	Accelerator
Product or Service	The technological aspects of the product or service that influence its initial development, delivery and further scale- up/adaptation in the future.	Technical Readiness	Maturity level of the technological aspects of the product or service	Prototype product or service developed	Technological aspects of the product or service validated in relevant environment	Product or service complete and qualified	Product or service fully operational (or sustained) and deployed	Accelerated development to rapidly advance technical readiness level
		Accessibility	Ease of access by users	Limited access for selected users	Standardized access for intended user groups	Universal access for all user groups	Universal access with inclusive design; and/or tailored product/service deployed for good amount of users	Fast-tracked implementation of access mechanisms to meet urgent user needs
		Usability/ Utility	User-friendliness and intuitiveness	Usable only with expert knowledge	Usable with some effort, requires training	User-friendly, minimal training required	Intuitive and seamless user experience	Expedited improvements in user-friendliness to quickly enhance utility
User Engagement	User requirements considered as a starting point of product/service design and users are engaged throughout implementation.	User identification	Identification of target users	At least 1 user (group) specified and plans for user engagement defined	Number of active users expanded according to the predefined user engagement plan	Number of active users further expanded according to the predefined user engagement plan	Network of key user groups established	
		User engagement process	Process and means to engage users	At least 1 targeted user participation in co-design	Active user participation in co-design	Active user participation in co-design and rapid incorporation of user feedback	Long term relationship established with users in co-design	Intensified user engagement to rapidly incorporate feedback and requirements
		User needs documentation	User needs documentation	Basic documentation of user needs	Detailed documentation of user needs and experience	Comprehensive documentation of user needs with regular updates	Dynamic and real-time user needs documentation	Accelerated documentation process to quickly capture and address evolving user needs
Impact	The long-term effects and benefits of the product enabling Earth intelligence-driven decision-making, demonstrating the results chain from activities to outcomes and ultimate impact ²	Results framework	A clear results chain is provided, showing a connection from activities (product or service) to impact	Results framework defined	Results framework defined	Results framework defined	Results framework defined	Results framework defined
		Decision-making support	Number of data-driven decisions identified	Desired decision-making support is described	1-5 decisions of users are supported; moderate improvements in decision-making	6-10 decisions of uses are supported; Significant improvements in decision-making	Over 10 decisions of users are supported; full integration of product or service in decision-making system	Accelerated integration into decision-making processes to show immediate value
		Socio-economic and environmental impact	Desired or demonstrated impact including reduction in environmental degradation, economic growth in sectors influenced by Earth intelligence, and improvements in public health and safety.	Desired impact is described	Some impact is reported.	Demonstrated capability to monitor and assess impact; impact is reported.	Demonstrated capability to systematically monitor and assess impact. Significant and sustained impact is reported and widely known.	Fast-tracked impact assessment to quickly demonstrate and report significant outcomes

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Team and Partnership	The composition and structure of the core team and stakeholders/network that co-develop, deploy and use the product or service	Leadership	Capability of the core team to drive the day-to-day operations and lead for delivering impact	Limited expertise in operations	A good range of expertise in operations	Dedicated staff for various aspects of operations.	Dedicated and mature team for operations.	Rapid assembly of expert team to drive accelerated development and deployment
		Governance	Oversight structure of key stakeholders is established	Informal scientific/technical committees or expert groups	Informal advisory body is in place	Steering committee or other oversight body is in place and functioning	Steering committee or other oversight body is in place and functioning	Swift establishment of oversight structure to ensure agile and responsive direction
		Diversity	Gender, geographic and generational diversity is ensured	Representation from at least 2 countries	Representation from at least 3 countries; youth are included	Representation from at least 5 countries and two GEO regions; youth are included	Representation from at least 10 countries, and three GEO regions; youth are included	Accelerated efforts to ensure diverse representation in team composition
Sustainability	Funding that sustains the operation and continuous development and deployment of new products and services	Funding model	State and quality of sustainability model for activity continuity	Funding is provided through a single project by a single country. Funding strategy is documented.	Funding is provided by at least two projects from different countries or other donors. Resource mobilization strategy is in place and defines long-term funding sources.	Funding is provided by a wider constellation of projects from different countries and/or other donors. Resource mobilization strategy is in place and forsees long-term funding sources.	Consortium of funders for the project is formed and long term funding is assured.	Significant funding opportunity that needs a quick co-development of concept that could be supported by seed funding from an innovation fund
		Funding for Operations	Funding availability and prospect for operations (e.g. Secretariat)	Limited funding for operations	Near-term (1-2 years) funding is available for operations	Funding is secured for operations at medium-term (at least 3 years). Good prospect for continuous support.	Funding is secured for a dedicated secretariat with full operation functionality for long term (over 5 years)	
		Funding for Product development	Funding availability for continuous product or service development	Funding for initial development of the product or service	Near-term (1-2 years) funding is available for further development and improvements of the product or service	Medium-term (at least 3 years) funding for maintaining the current product or service, and development for next product or service advancements in response to new user needs	Long term (over 5 years) funding is secured for maintaining the current product or service, and development for next product or service advancements in response to new user needs	
		Funding for Product Deployment	Funding availability for integration of product/service outputs in users' operational workflows	Short-term funding for proof-of-concept demonstration	Near-term (1-2 years) funding is available for deployment of the product or service in operations! workflows of 1-5 targeted users	Medium-term (at least 3 years) funding for deployment of the product or service in operations! workflows of 6-10 targeted user's	Long term (over 5 years) funding is secured for deployment of the product or service in operations! workflows of over 10 targeted users	