



SDG Digital Investment Framework and Product Evaluation

SDG focused approach to planning and coordinating digital investments

dial Digital
Impact
Alliance

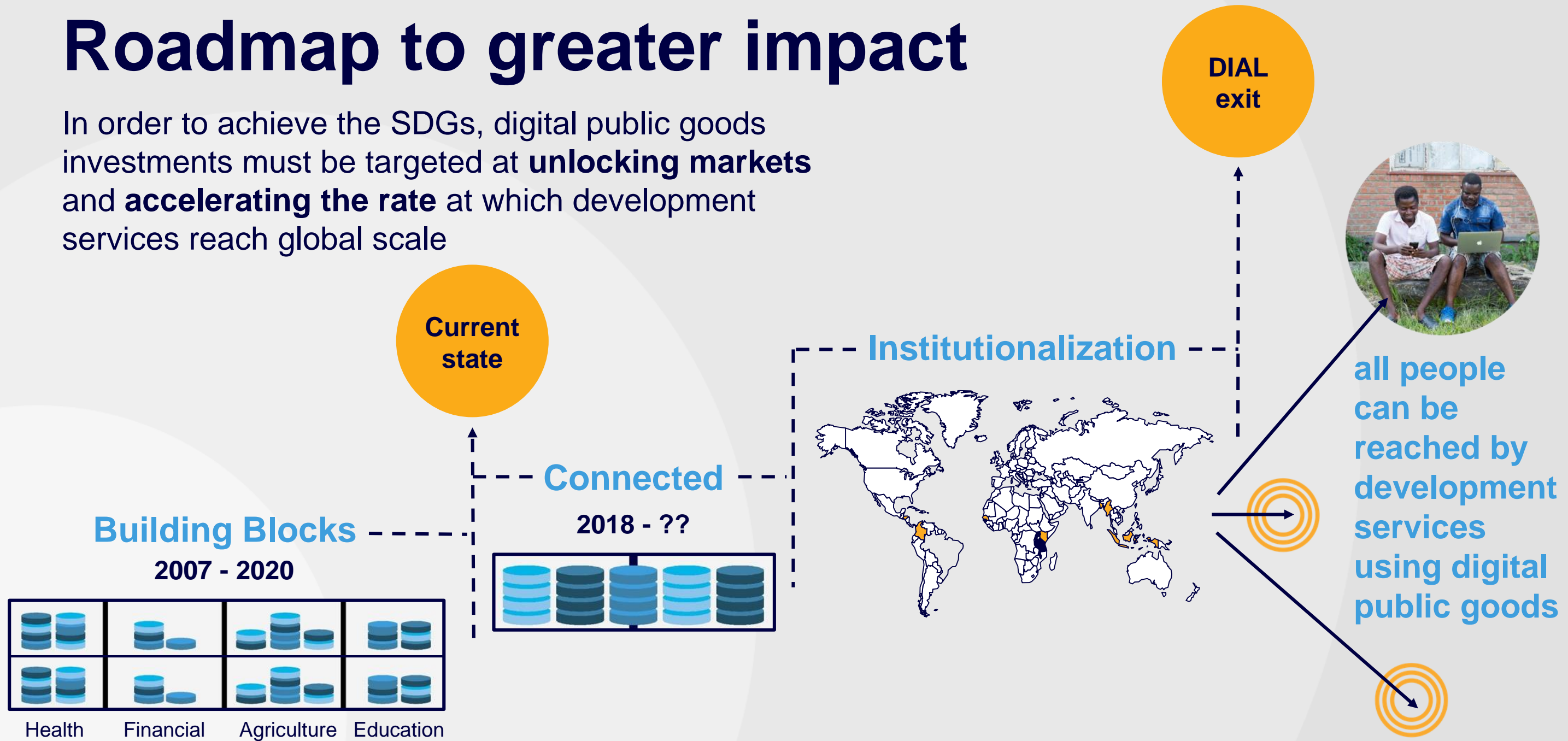


BILL & MELINDA
GATES foundation



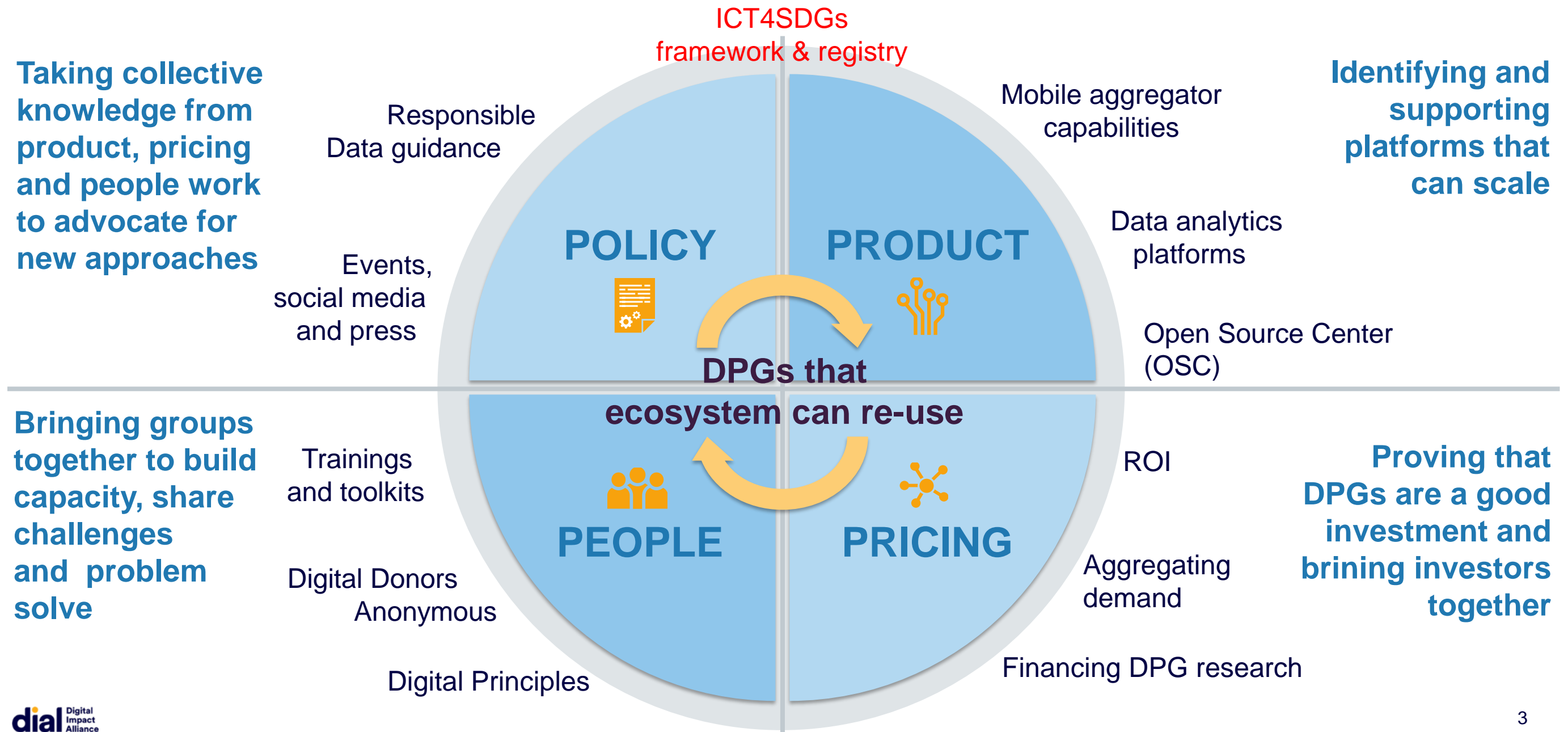
Roadmap to greater impact

In order to achieve the SDGs, digital public goods investments must be targeted at **unlocking markets** and **accelerating the rate** at which development services reach global scale



DIAL 1.0: Investing in digital public goods

In order to move from a building block world to one in which efforts are connected across sectors, we invest in **products**, **policy**, **people** and **pricing** mechanisms to ensure software platforms, mobile channels and d4d solutions are turnkey





What is the framework: <https://bit.ly/ITUDIAL>

Theory of Change



Fragmented, sector-specific ICT4D funding and application development **prohibits the development and institutionalization** of sustainable, scalable ICT platforms.

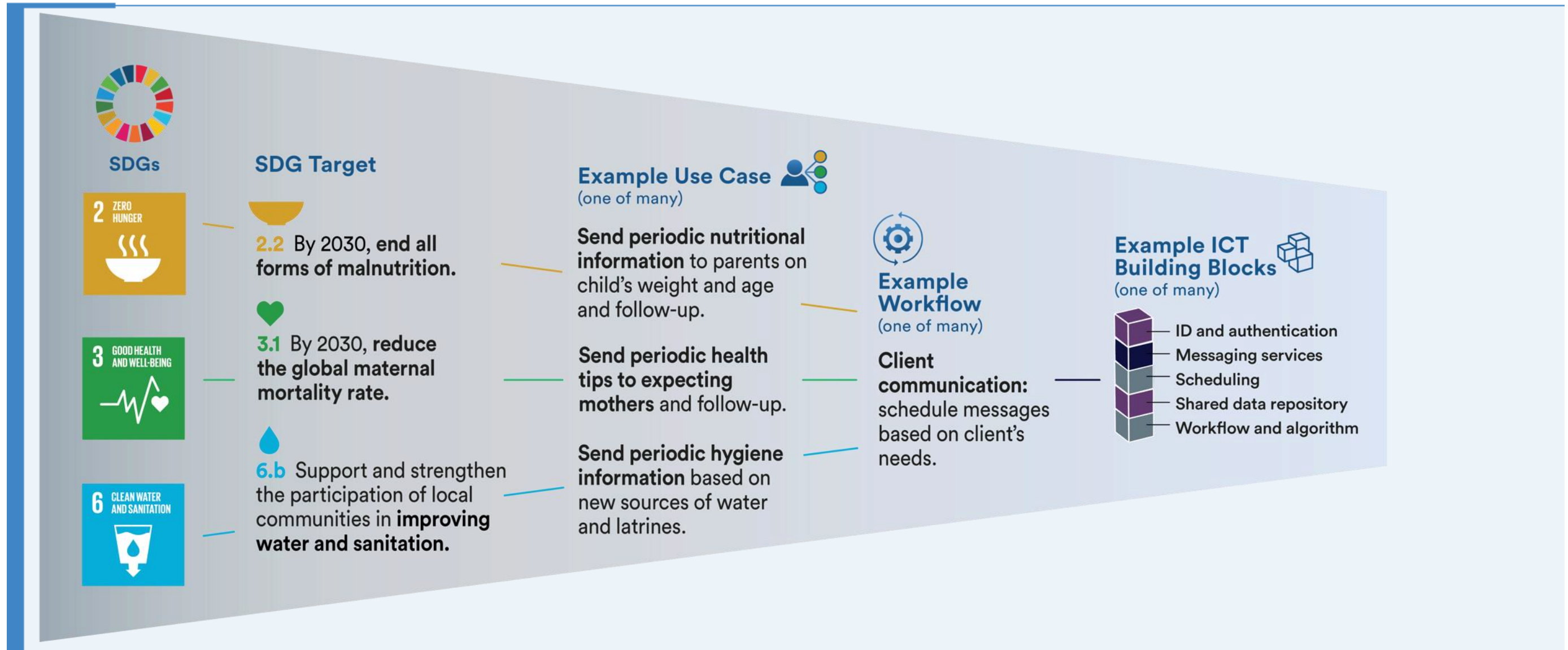
ICT platforms must be capable of supporting initiatives across **multiple sectors** in order to be cost effective and affordable to governments as they work toward the SDGs.

Promoting a **whole-of-government** enterprise approach will produce a larger market opportunity, yield cost savings and lead to increased investment in the development of sustainable platforms.

Acceleration of **progress towards the SDGs** combined with the **ROI** will incentivize governments, donors and the private sector to pool financing to make the large-scale financial investments needed to implement sustainable ICT platforms at scale.

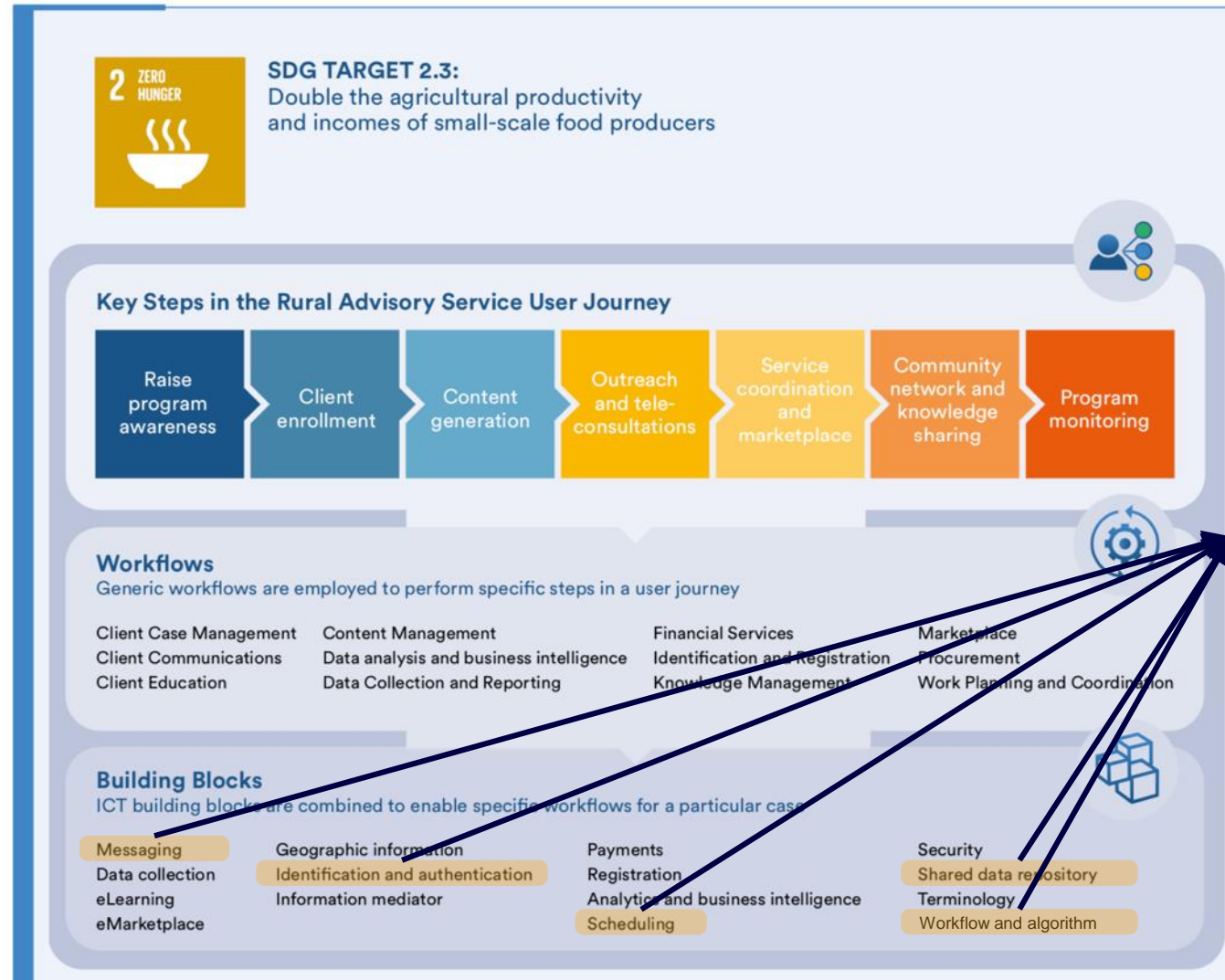
Coordinate digital systems to support multiple physical systems

Each SDG target may have different supporting actors and business processes, but can share digital systems



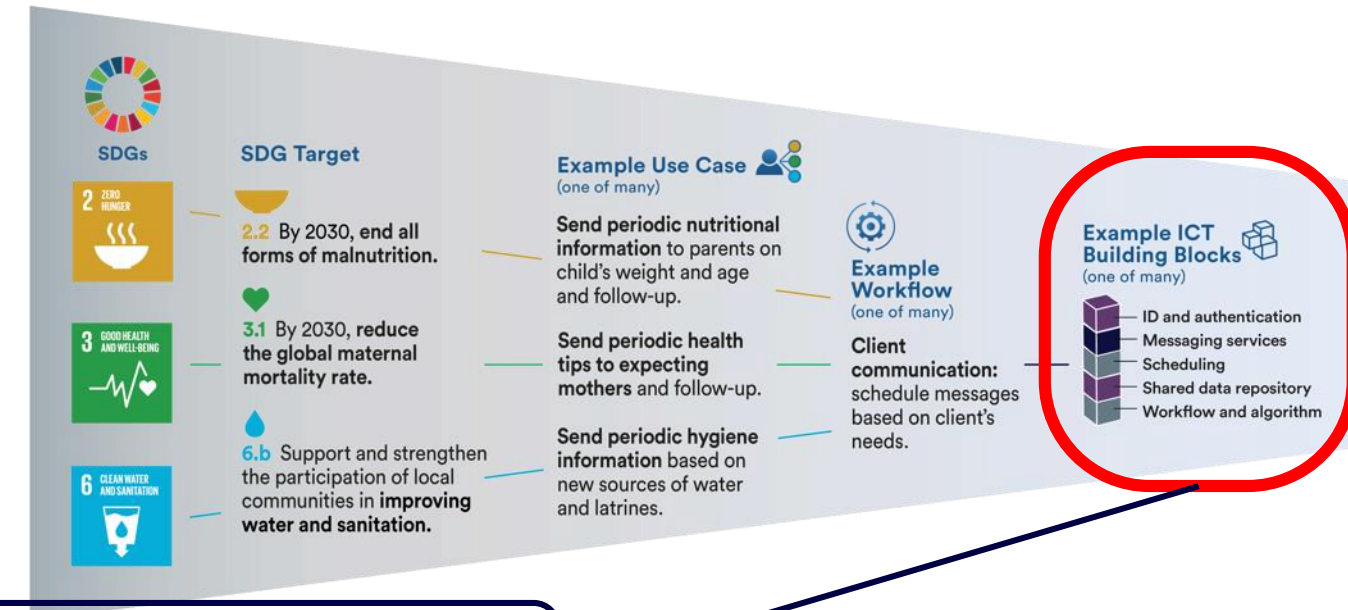
Coordinate your digital investment around reusable building blocks to deliver many use cases.

Example of Rural Advisory Use Case



All 4 example use cases utilize the same 5 ICT building blocks

- ICT building blocks put in place for one use case, such as a rural advisory service, can be reused to deliver many additional use cases across multiple sectors
- Leveraging digital investments in this way enables more cost-effective scale-up of digitally supported programs thru elimination of duplicative systems and consolidation of human resources across the public sector





ICT Building Blocks

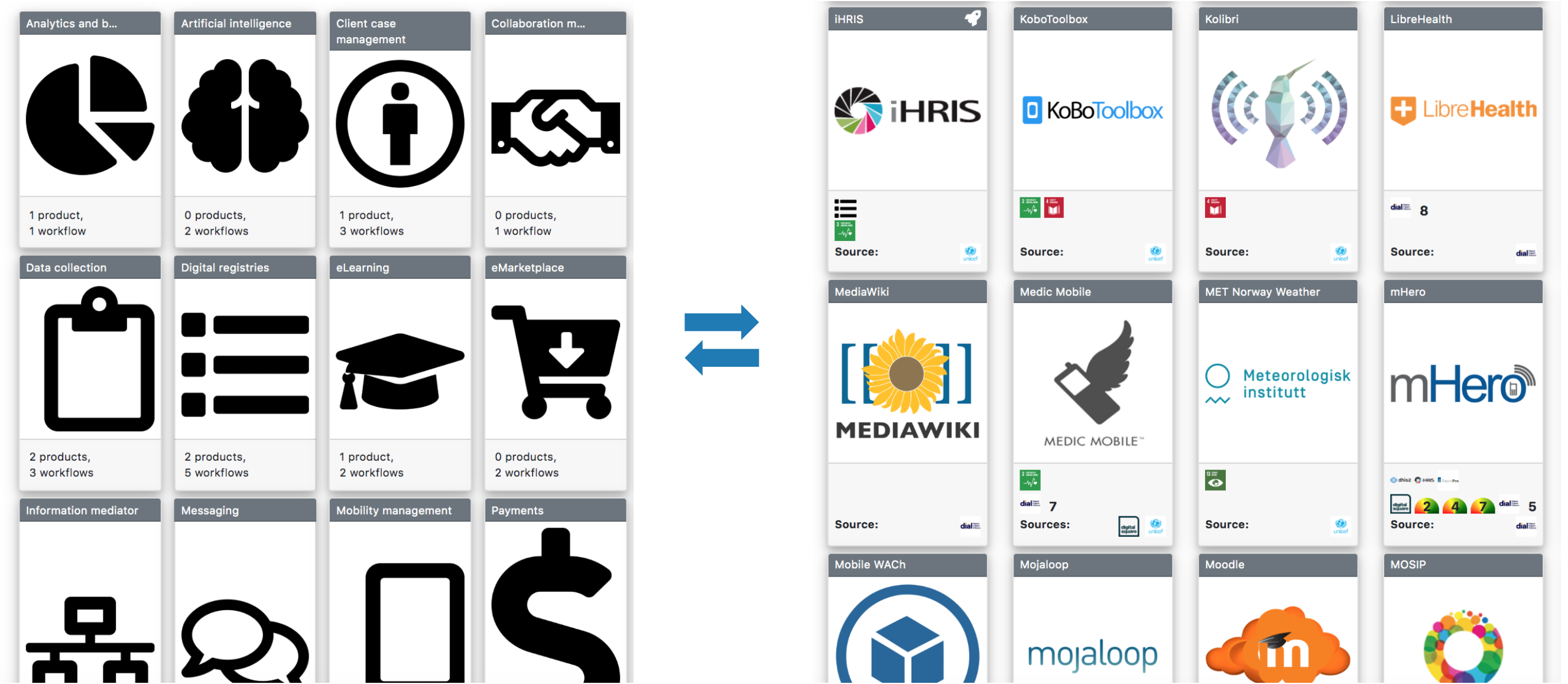
Building blocks will continue to be refined and defined over time.

 Registration	 Messaging	 Scheduling	 Security
 Payments	 Information mediator	 eMarketplace	 GIS
 Identification & Authentication	 Client case management	 Collaboration management	 Analytics & Business Intelligence
 eLearning	 Reporting & dashboards	 Content management	 Data collection
 Shared data repositories	 Digital registries	 Terminology	 Artificial intelligence
 Consent management	 Mobility management	 Workflow and algorithm	

Candidate Product Discovery Tool

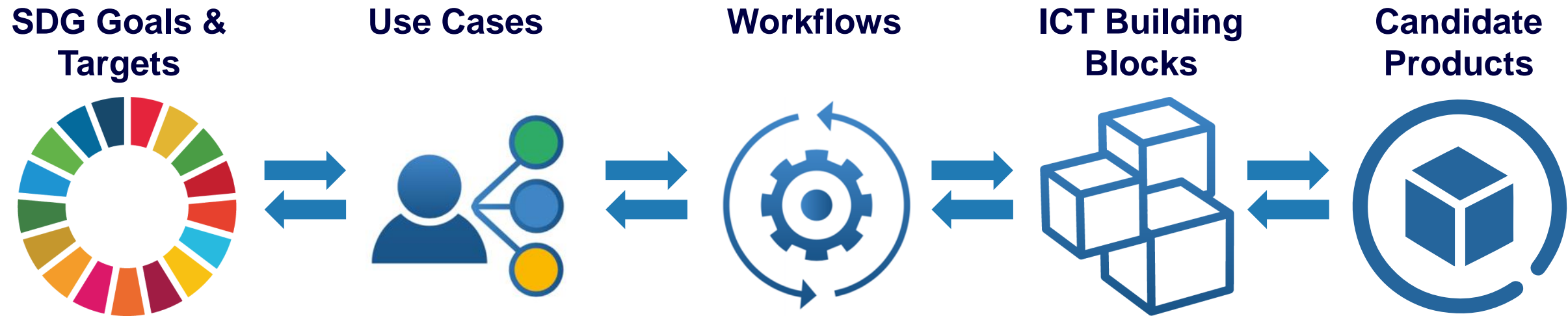
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View Building Blocks, View Products, Interactively navigate between them



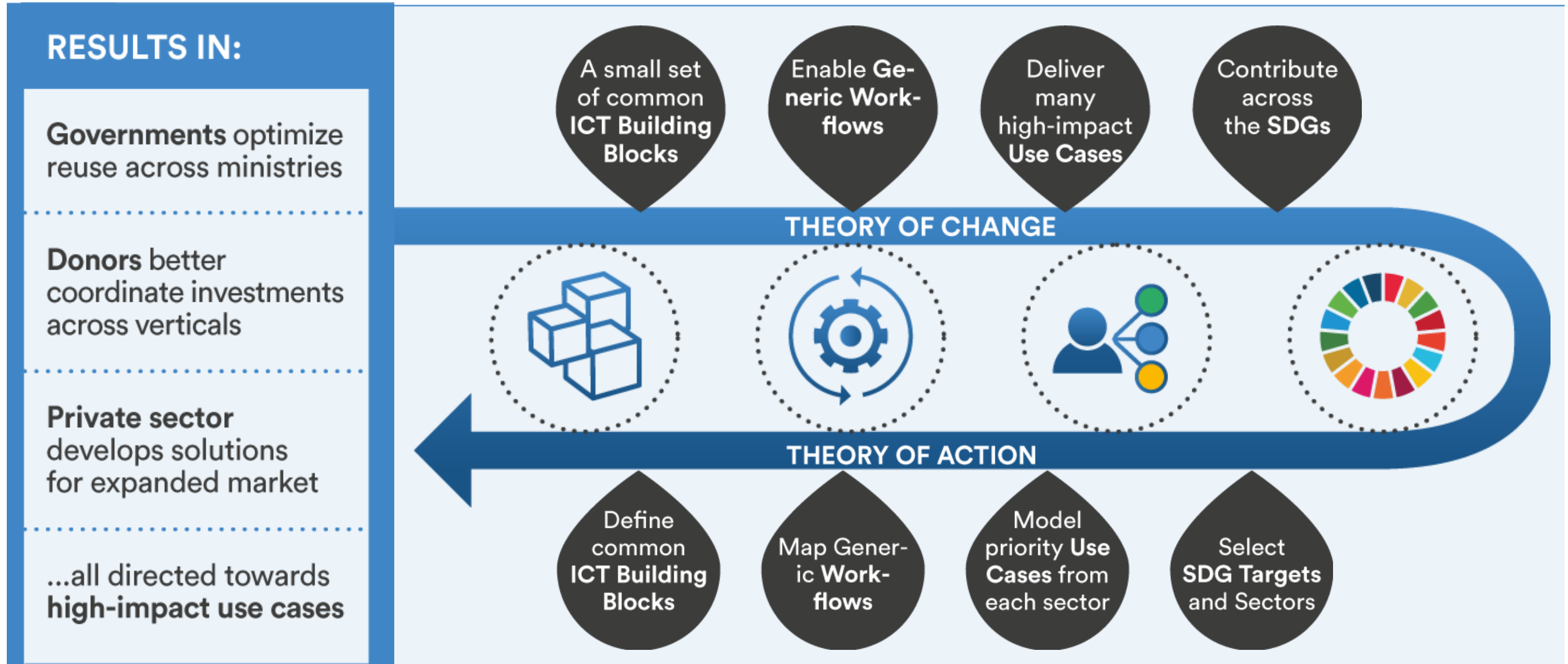
Beta: Online tool to navigate the Framework and Content

Navigate the different associations between layers. Find available products. Online.



URL: [Product Registry: Site](#)

SDG digital investment framework supports the eco-system





What is the evaluation?

Purpose and Objectives

Why is DIAL undertaking this and relevance to ecosystem

DIAL is coordinating relevant community and supporting organizations, including PATH/Digital Square, on development of a harmonized digital product evaluation rubric (evaluation schemes, guidance, SME bodies, etc.) that can provide:

- A base to support ICT4D community stakeholders' evaluation strategies of a product in the context of its application towards developing country needs and SDGs
- A common lens to view and discuss the maturity and readiness of a product by key stakeholders (donors, incubators, implementation partners, vendors, etc.) that share a role in supporting the growth and use of such products
- An understanding of fit / suitability of a product to the *Building Blocks* candidate as conceptualized by Framework (above)

Why It is Needed

For DIAL	Currently the Building Blocks detail high-level “functionalities” but no specifications or quality criteria. The rubric serves to provide stakeholders better understanding what system quality is then needed.
For ICT4D partners	Currently there is varying interest and differentiating approaches to assess quality and maturity of a product. The rubric ensures that partners continue to provide needed support / resource in a more comprehensive lens.
For donors and countries	To have a single, systematic way of viewing and comparing products when considering implementation

Partners



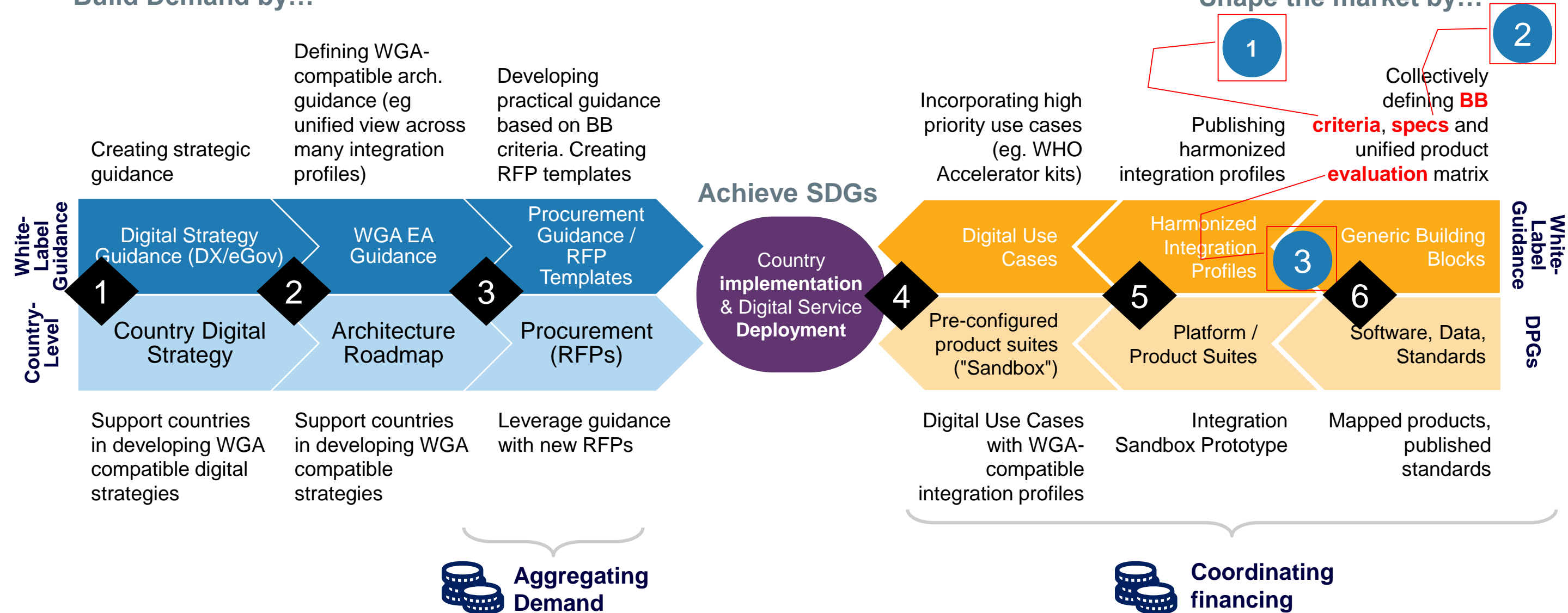
Others (*in discussion*)

Part of a larger market-shaping effort

DRAFT

Build Demand by...

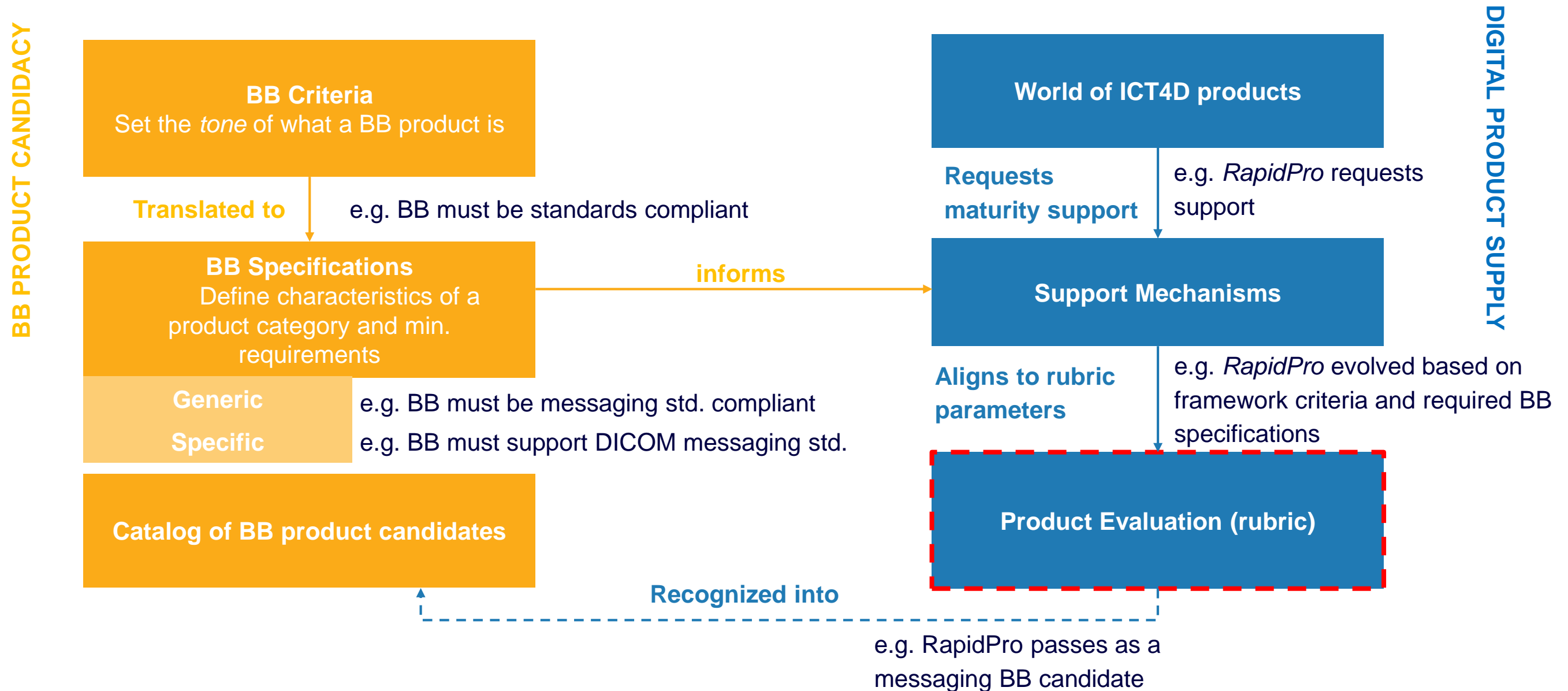
Shape the market by...



Product Perspective

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An example of product experiencing evaluation rubric as Building Block (BB) candidate



■ Models being harmonized



- **OSC maturity model:** <https://shorturl.at/oEJLU>
(and product candidate internal onboarding / assessment)
- **Global Goods Maturity Model:**
<https://shorturl.at/drTW6>
- Community Health Analytics Open Source Software (**CHA OSS**)
Metrics: <https://chaoss.community/metrics>
- **ClearlyLicensed metrics:** <https://shorturl.at/gjopA>

■ Others being reviewed and incorporated



Maturity Matrix (TBA)



MEASURE Evaluation

HIS Interop. Maturity Toolkit

<https://shorturl.at/bqvDJ>



Impact Tracker framework

<http://impacttrackertech.kopernik.info>

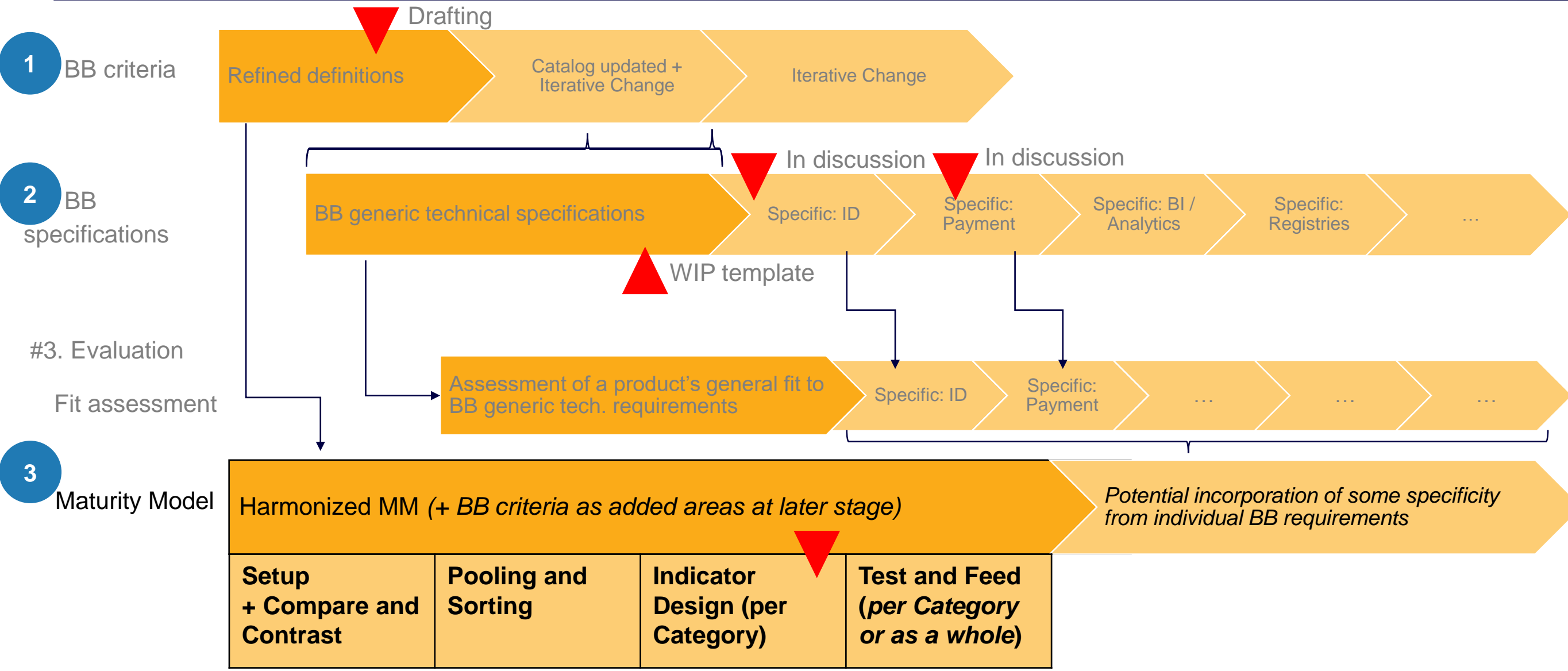
OTHERS (to come)

Mapped sets of indicators for review

Suggested Groupings	Short Description
Utility and Impact	Product utility and impact with possible alignment to SDG agendas
Compliance	Software standard and other domain-specific compliances (<i>might be merged with another</i>)
Licensing	Licensing and IP accessibility
Financials	Revenue generation and cost management
Community Health	Engagement, management and vitality of contributor community
Decisions and Governance	Governance, leadership and decision-making
Product Design Planning	Product development planning and quality of execution
Knowledge Management	Documentation robustness and knowledge distribution for usage and code contribution
Product Quality	General quality of a product (note: to encapsulate BB criteria)
Dependency	Risk and dependency on community composition and organizational affiliations

Status: Completion of added peer review step in 2nd phase

Moving into indicator design and documentation



Overall timeline and stages

How to arrive to a harmonized product evaluation model

	RESP.	REVIEW / APPROVE.	OUTPUT
<ul style="list-style-type: none"> • Setup + Compare and Contrast: Kick off on vision, scope and intent for the process <ul style="list-style-type: none"> ○ Convene and ID partners required for input and process: Who from each org. / additional ○ sOutline overall process and agree on approach ○ Agree on sourced models (list out initial set, discuss relevance / what each covers / lacks / how to account for others) ○ Align on categories: list out from various models and discuss similarities, prioritize and define scope of each category and relevance to product evaluation and framework • Completion date: Nov. 2019 (+ongoing) 	DIAL (to prep.)	Di.Sq., dial-OSC, others	List of model sources, agreement on categories to pursue and priority (approved description and meaning / relevance of each), scope and timeline, partners and FCs to be involved
<ul style="list-style-type: none"> • Pooling and Sorting: For each agreed and prioritize category, pool together metrics under each model, review parameters / definitions across, and provide input / comment <ul style="list-style-type: none"> • Target date: Dec. 2019 end of Jan. 2020 (wrapping up) 	DIAL, Di.Sq., dial-OSC, others	Di.Sq., dial-OSC, others	Pooled indicator sets per category, feedback collected
<ul style="list-style-type: none"> • Indicator Design (per Category): Resp. partners to weight in on relevance, scope, est. LOE of indicators pooled within one category, reconvene to discuss and agree on how standardize (template), publish list and sign-off after final review / acceptance from each party <ul style="list-style-type: none"> • Target duration (per Category): shifted 	Di.Sq., dial-OSC, others	Di.Sq., dial-OSC, others to approve, DIAL to finalize	Standardized / agreed design on indicators within each category, plan for measuring / gauging utility
<ul style="list-style-type: none"> • Interim review 			
<ul style="list-style-type: none"> • Test and Feed (per Category or as a whole): <ul style="list-style-type: none"> • Target duration (per Category): ? • Target date (per Category): ? 	Di.Sq., dial-OSC, others	(DIAL to facilitate feedback process)	Sample result set, feedback on use and pts of improvement / changed (to be fed back to design)

Working environment

Documents and folder

Folder location for the below and resources: [here](#)

- Worksheet for mapping and indicator review: [here](#)
- Indicator template: [here](#)
- Source models (some, not all): [here](#)
- Original kick-off deck (bit dated but illustrate the stages): [here](#)

We need your support

Ideas for how interested partners can support in expanding the framework.

How can you support?

Ideas for ways the partners can be involved

- Support the development of a harmonized product evaluation model by helping us assess the alignment with existing models and potentially be part of the technical effort
- Identify opportunities to use ICT building blocks (that may have emerged from other sectors) within implementation projects by your organization
- Define high priority use cases so that we can map to the other layers in the framework. This would support other actors in seeing how different building blocks can support various digital services and realize potential of reuse / applicability in another sector or context.
- Provide feedback on using the ICT4SDG framework and the online catalog, including refining definitions or highlighting what guidance or tools would make the framework more valuable for you

Thank you



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