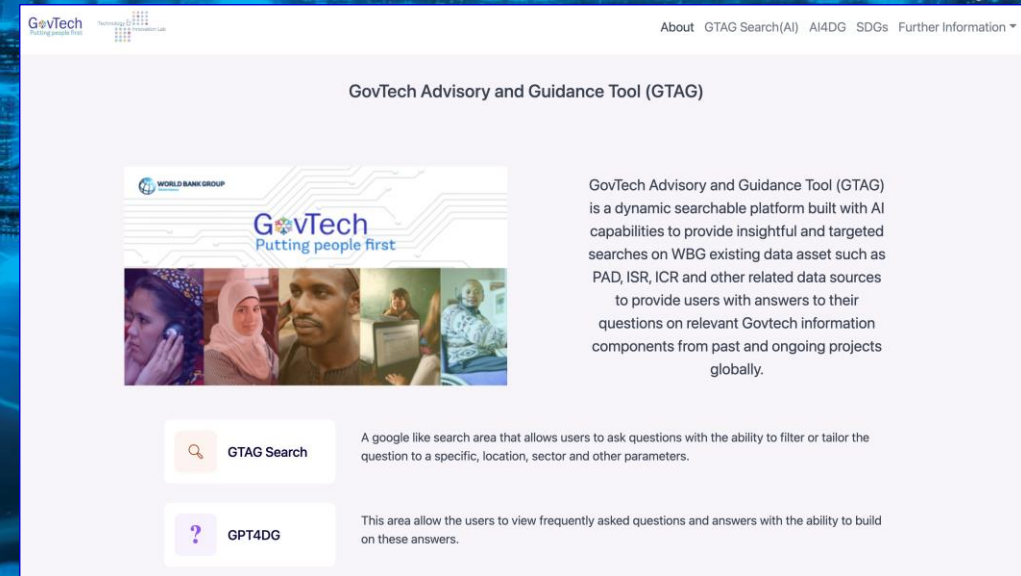


GovTech Advisory and Guidance Tool (GTAG)

June 13th 2023

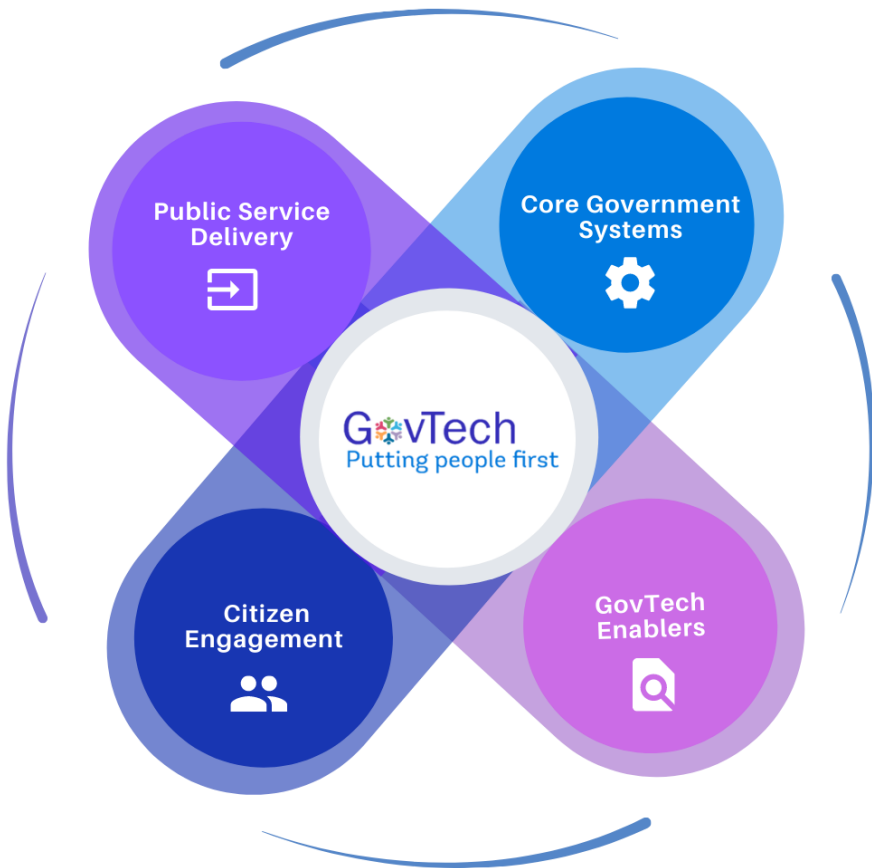
Asami Okahashi, Governance Specialist, Governance GP
Olushola Ibronke Joanne Martins, IT Officer, ITSTI



The screenshot shows the GovTech Advisory and Guidance Tool (GTAG) interface. At the top, there is a navigation bar with links for 'About', 'GTAG Search(AI)', 'AI4DG', 'SDGs', and 'Further Information'. The main heading is 'GovTech Advisory and Guidance Tool (GTAG)'. Below this, there is a banner image featuring the World Bank Group logo and the GovTech slogan 'Putting people first'. The banner also includes a collage of diverse people. To the right of the banner, a text block describes GTAG as a dynamic searchable platform built with AI capabilities to provide insightful and targeted searches on WBG existing data assets such as PAD, ISR, ICR, and other related data sources to provide users with answers to their questions on relevant GovTech information components from past and ongoing projects globally. Below the banner, there are two main sections: 'GTAG Search' and 'GPT4DG'. The 'GTAG Search' section is described as a google-like search area that allows users to ask questions with the ability to filter or tailor the question to a specific location, sector, and other parameters. The 'GPT4DG' section is described as an area that allows users to view frequently asked questions and answers with the ability to build on these answers.

What is GovTech

GovTech is a whole-of-government approach to public sector modernization that promotes simple, efficient and transparent government with the citizen at the center of reforms



The GovTech approach emphasizes three aspects of public sector modernization:

A whole-of-government approach to digital transformation

Universally accessible citizen-centric services

Simple and efficient government systems

The GovTech agenda also encompasses:

- Effective use of **disruptive technologies** (e.g., AI/ML, cloud, IoT),
- Public **data platforms** (promoting the use of public data by individuals and firms),
- Local **GovTech ecosystems** (supporting local entrepreneurs and start-ups), and
- Greater use of **public private partnerships** to draw upon private sector skills, innovations and investments to address public sector challenges.

Assumption / Challenge

GovTech
Putting people first



Our Journey: Approach GTAG Proof of Value

Discover the Problem

Discover the Solution

01

Prepare



Framing
&
Planning

02

Discovery



Exploration
&
Understanding

03

Interpretation



Research
&
Findings

04

Ideation



Concept Generation
&
Prototyping

05

Develop



Refinements
&
Experimentations

Design Thinking Workshops

GovTech
Putting people first



Questions:

1. What is your current process for researching /sponsoring / designing a project at country or regional level?
2. What data limitation do you have when preparing your projects / running your projects.
3. What data do you need and where do you get or access the data from?
4. Do you think this tool could be useful in supporting your day-to-day tasks?
5. If so, what sort of information/data do you want to see?
6. What would you like the data to tell you? (insights, validations, etc.)

Current Challenges, Desires, and Opportunities

What we heard from GovTech Experts, TTLs & Development Partners

Our clients would like to have access to information **on similar project that have being done in other countries with close similarity to their needs.** They need information on investment amount, procurement costs, project approach, lessons-learned.

Current database is **updated manually** with new projects and extracted from ops portal and through communication with project owners.

There is **no corporate mandate** to keep this database alive. Hard to convince TTL to keep this database updated because it is time consuming.

Challenges **keeping current database and sources up to date.** It is a time- consuming manual activity for TTL and teams.

Information that informs our decision to **invest through remote sensing** of projects opportunities.. Tracking Program & project level activities

Time consuming to review very lengthy documents to find the required information.

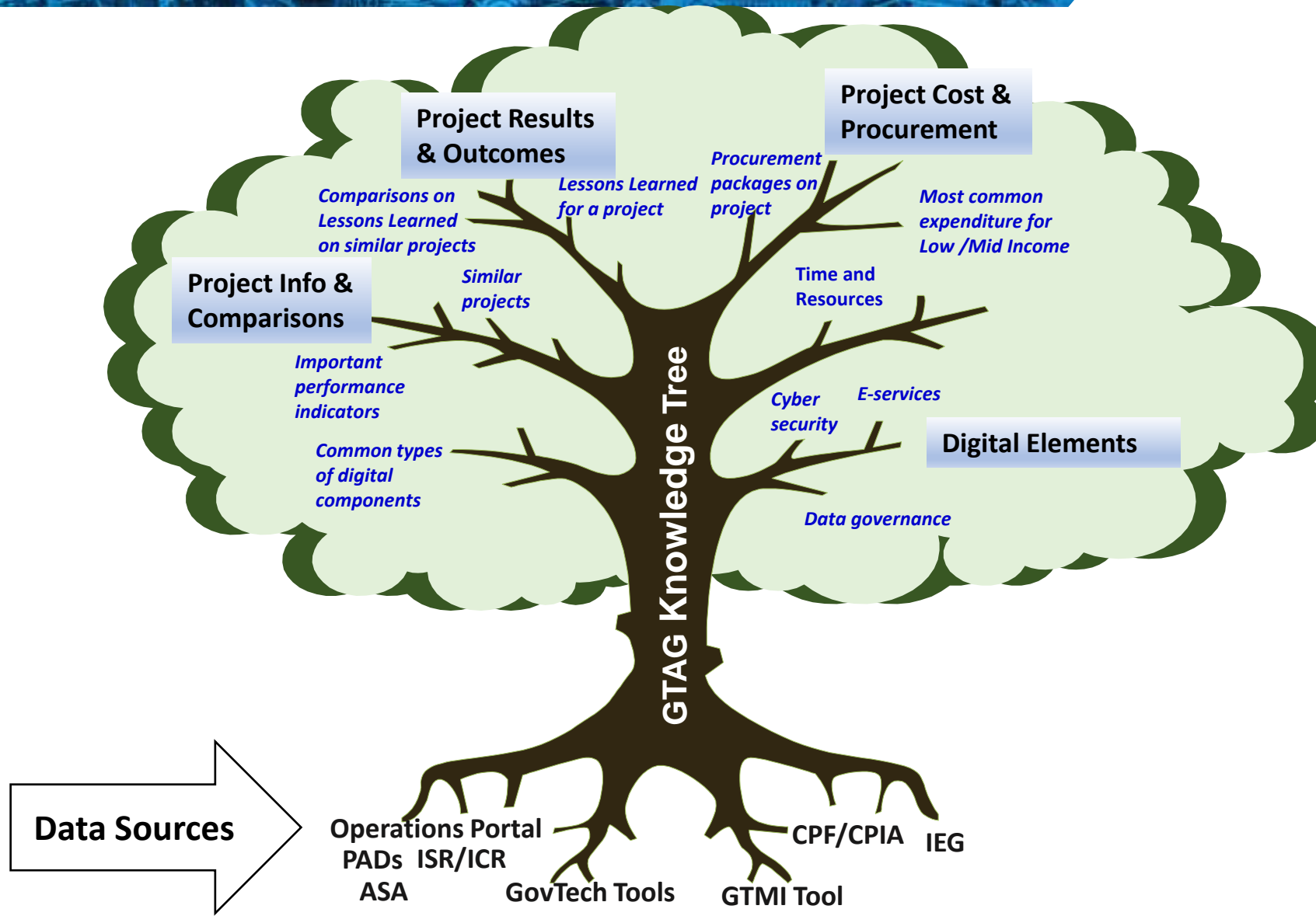
Highlight what projects have **GovTech related components** and who is **investing in** GovTech related projects.

Eliminate conflicting data from different sources. And ensuring better access to GovTech related data and components.

To support better communication between partner practices with common/similar goals/objectives.




Need of Surfacing Relevant Data & Info from Existing Data Assets



Introduce an AI Enabled Tool to support GovTech Knowledge Advisory Services


User Groups Owner
WBG GovTech Experts


User Groups – Clients & Partners (internal) , WBG Task team leads & Teams

Restricted access – out of scope for this prototype

Users Groups –Donors& Partners (external)

Searches info on relevant govtech data within WBG project documents (PADs, etc)

Excepted outputs
Govtech relevant/ hidden data within (PADs, ICRs , ISR ,ASA) across following categories :

- Project information & comparisons
- Project Results & Outcomes
- Digital Elements

GTAG Smart Repository/Dashboard



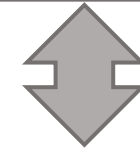
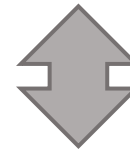
Google Search : provide a wider search based on Keywords or phrases



Guided Search based on frequently asked and answered questions across selected categories .



Data Snapshots such as SDG across projects



Data Sources



PAD/ICR/ISR, country related data , guidance on ASA & Diagnostics QER, Decision Meeting outputs.



Data Sources (Govtech Database& Ops portal) GTMI Dashboard

Proposed Technical Building Blocks

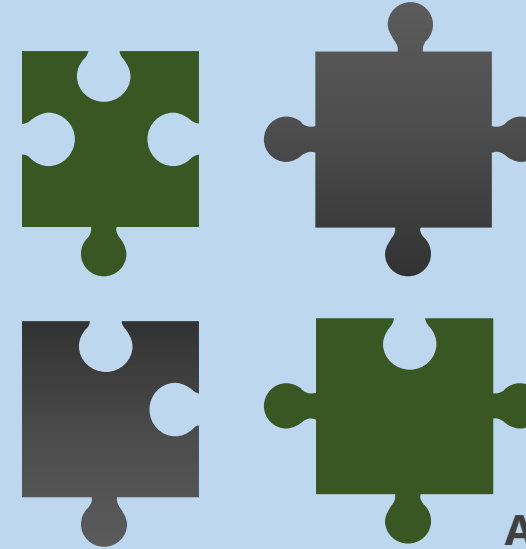
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GTAG USERS

- Gov Tech expert
- Task Team Leads & Task Teams
- *Future Users - Donor & Development Partners(out of scope)*

Frontend

- **GTAG Dashboard**
 - GTAG Search (AI)
 - AI4DG



Data Sources

- Agree data sources & Access levels.
 - PAD
 - ISA
 - ICR
 - IEG
 - ASA
 - GTMI
 - CPF
 - CPIA

AI Algorithms

- Development of Algorithms to support
- Data insights and queries.

API integration

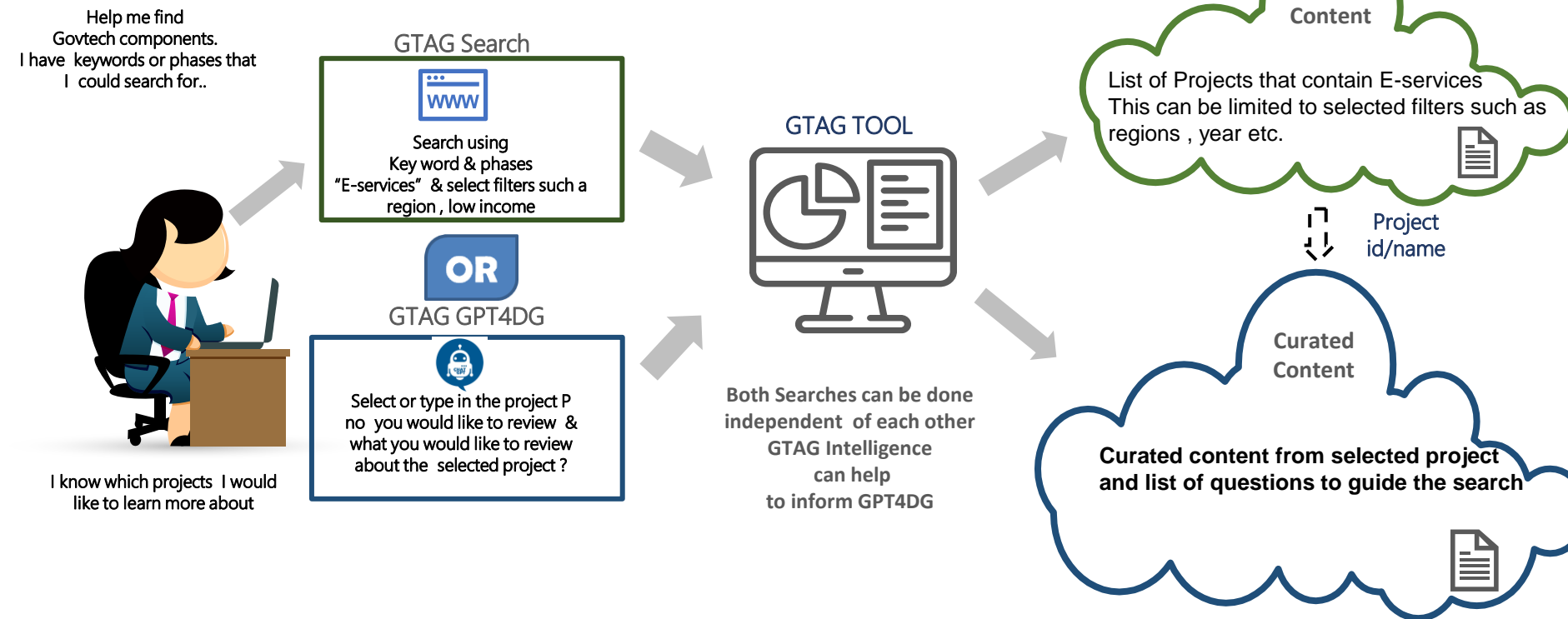
- Internal and external data sources (operations Portal)

Surfacing Hidden Data

WBG Task Team Lead Scenario

Jane a TTL has been working at the bank for just over a year. She is about to develop a new PAD for an ECA country, which will contain a GovTech related service. She is hoping that she could gather relevant data from past and ongoing project documentation. She is interested in the following data

- Project that have GovTech components such as eservices across ECA region
- Information on Similar projects & indicators ,
- Review any lesson learned and all associated costs.



Proof of Value solution

- Key Features Involved
- Google wide search (current in POV)
- Guided Search for surfacing data within document (future)
- Data Insights around SDG Goals

How can AI help with surfacing Hidden data ?

- **Semantic Search:** Using the Azure Cognitive Search with Semantic capability. Embeddings are created based on the corpus (documents) and finding relevant context based on the query.
- **Prompt Engineering for GPT-4 :** Using Semantic Search to select the most relevant section of a given document and gpt-4-32k model to generate responses based on user query.
- **Automation and Aggregation of** content from disparate sources
- **Continuous Content Curation**

Proposed Solution – Demo

GovTech Advisory and Guidance Tool (GTAG)



GovTech Advisory and Guidance Tool (GTAG) is a dynamic searchable platform built with AI capabilities to provide insightful and targeted searches on WBG existing data asset such as PAD, ISR, ICR and other related data sources to provide users with answers to their questions on relevant Govtech information components from past and ongoing projects globally.

GTAG Search A google like search area that allows users to ask questions with the ability to filter or tailor the question to a specific, location, sector and other parameters.

GPT4DG This area allow the users to view frequently asked questions and answers with the ability to build on these answers.

GTAG Search (AI)

GTAG Search is AI-powered Semantic Search, providing semantically relevant results and language understanding for a more effective contextual search experience.

E-Services, data governance

Search Results: 24

P178163 - Strengthening Digital Governance for Service Delivery

Country: **Kenya** Status: **Pipeline** Year: **2023**
Title: **And Better (Output Orders) (ICM)** Data Type: **PE_PDR**

Summary: The Ministry of Public Administration (MoPA), which was brought under the Ministry of Finance Affairs (MFA) in 2021, has been tasked with the legal authority to take forward the digital governance and e-services agenda, fostering some of the critical institutions, including the AIS and the SOC, while the Office of the Prime Minister, the MoP (for business services), and other ministries and agencies are also major stakeholders.

Objectives: To establish a dedicated data governance body and there is a need to establish national interoperability standards and protocols in line with the new e-government strategy 2023-2027 and the European Commission's Digital Governance Strategy 2020-2024.

Key Deliverables: To support the implementation of data governance, enhancements to the e-Agency platform and creating multi-channel access to e-services.

Key Results: This component will support the expansion of government e-services through an upgraded e-portal and pilot an innovative approach to practice citizen-centric service delivery organized around its events.

AI4DG

AI4DG: AI for exploring Digital Government projects. It is powered by GPT-4 Large Language Model(LLM).

What can we help you with?

- Project Information & Comparisons
- Project Cost & Procurement
- Project Results & Outcomes
- Digital Activities

Do you have a specific project in mind?

Search results: P178163 - Strengthening Digital Governance for Service Delivery

Would you like to view the list of POC team indicators?

Proposed Solution Architecture

