Data and digital innovations for accelerating CGIAR's science and impact

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Overarching goal of CGIAR’s digital transformation strategy

Our digital transformation and AI strategy is anchored for three main objectives.

1

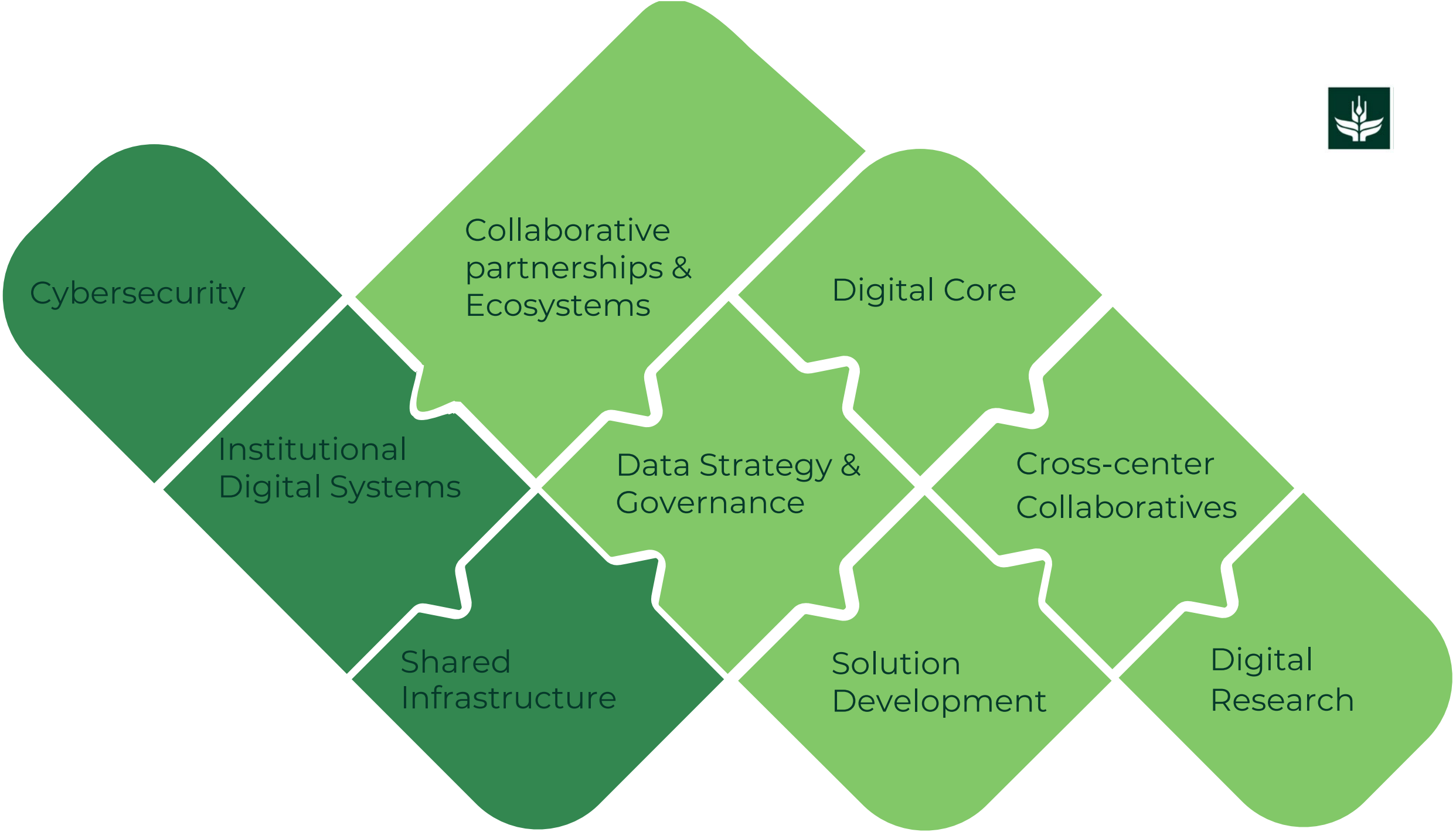
Mainstream AI and digital innovations to accelerate CGIAR science and innovation.

2

Drive organizational efficiency, operational excellence and innovation using digital and AI.

3

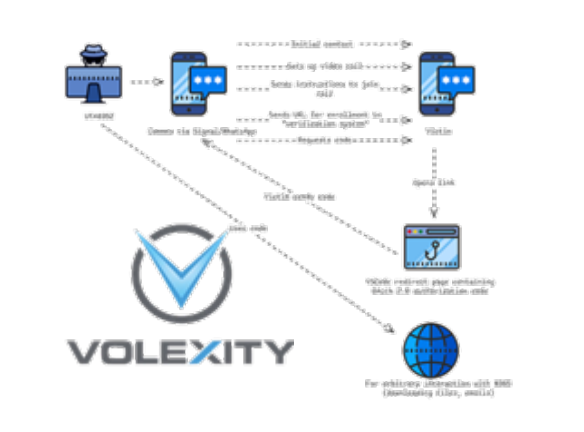
Foster global public goods and partnerships to promote equitable, gender-inclusive digital transformation in the agri-food system.


Cybersecurity
Collaborative partnerships & Ecosystems
Digital Core
Institutional Digital Systems
Data Strategy & Governance
Cross-center Collaboratives
Shared Infrastructure
Solution Development
Digital Research

Shared Infrastructure

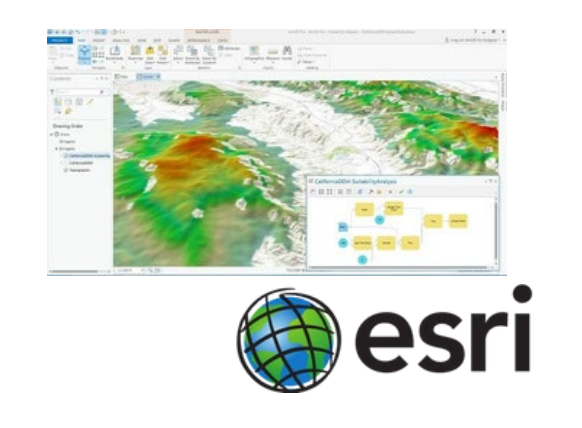
Centralized procurement to streamline operations and reduce costs

Cybersecurity



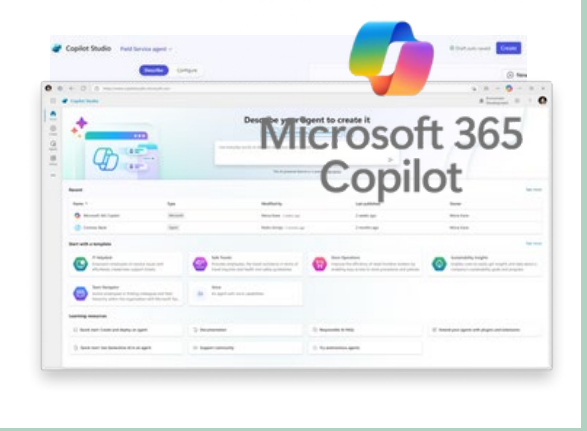
CGIAR-wide cybersecurity service contract led to cost reduction and improved security services across Centers.

Geospatial Analysis



CGIAR-wide subscription to the industry-leading geospatial analysis software led to cost saving and significant value of gift in services and training.

AI Assistant



Microsoft awarded a grant for CGIAR to test the capability of an AI assistant in enhancing productivity across operations and research.

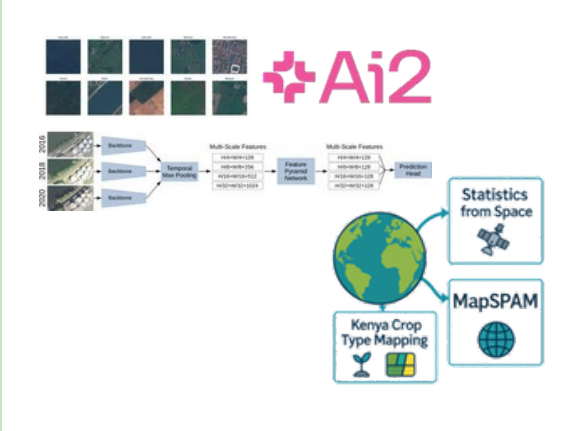
Collaborative partnerships & Ecosystems

CGIAR's domain expertise and partners' technical expertise in AI

AI71

AI71 is developing **AgriLLM** by leveraging CGIAR's data and domain expertise.

Allen Institute for AI



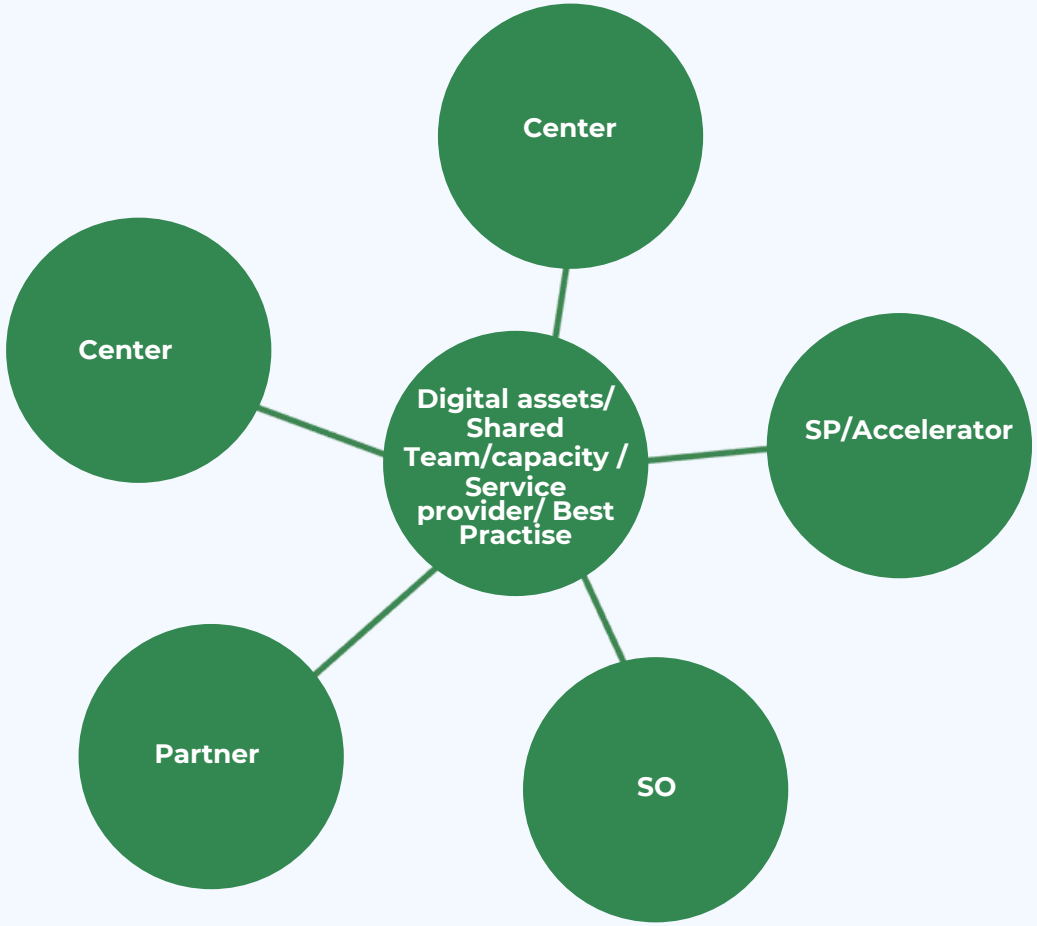
Ai2 accelerates CGIAR's geospatial research by providing **Earth System** platform with AI models.

Amazon Web Services

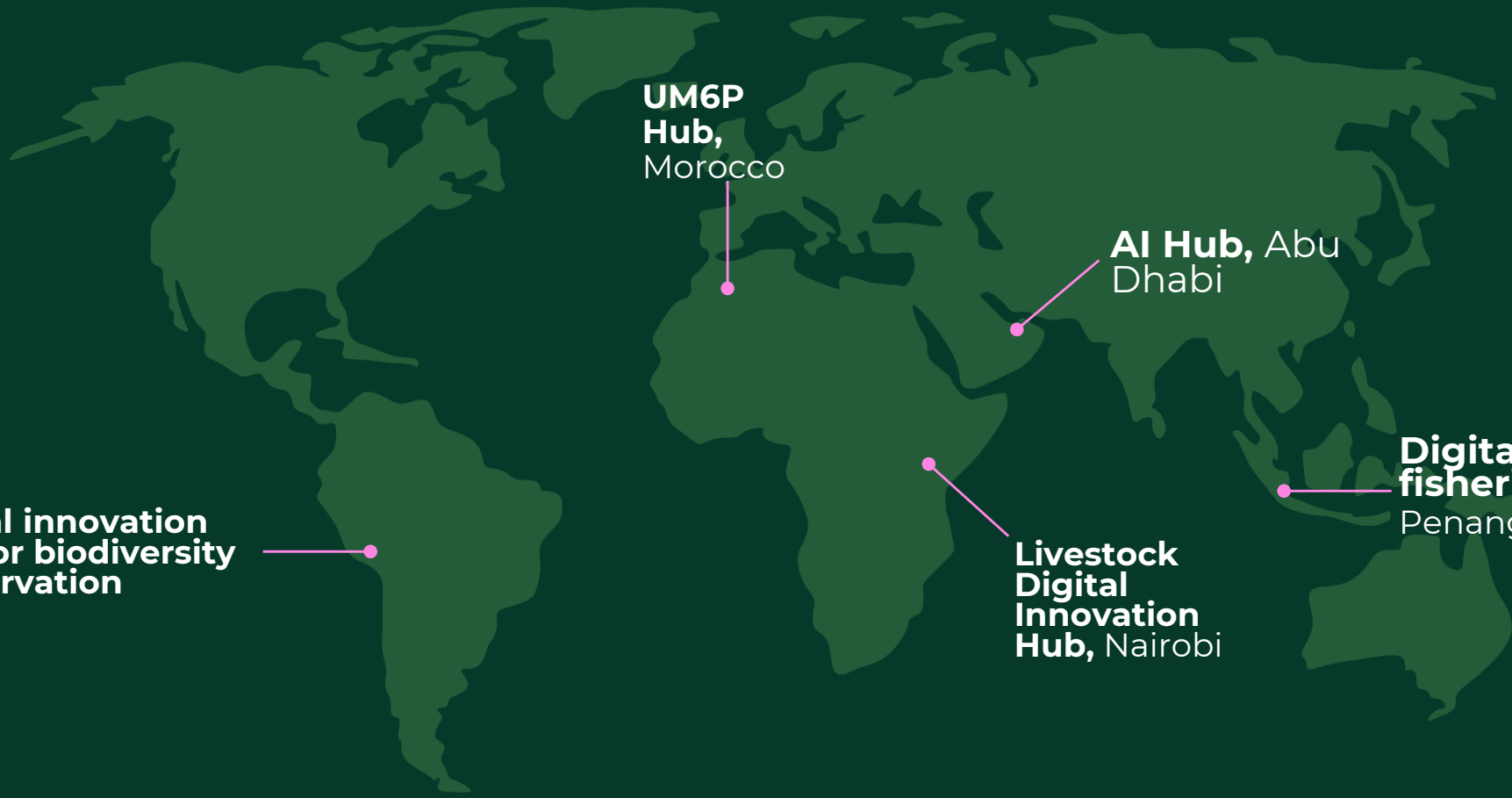
CGIAR is partnering with AWS/Pariveda to design and develop **AgPile**, a federated data platform.

CGIAR AI Hub@AbuDhabi

- Key output under Collaborative partnerships and Ecosystems (AOW 4/Enabling environment)
- **Objective :** Digital innovation hubs to help CGIAR and partners
  - Plug into the global AI and digital innovation community (CG staff posted)
  - Benchmark with global best practices
- **Methodology :** Identifying and co-creating cross-center flagship AI powered digital products/assets
- **First set of flagship products** :
    - AgriLLM
    - AI Water Factory
    - Genebanks*
    - Breeding*
- **Future plans** : Newer hubs ; Modalities for subsequent flagship products



Concept Notes under development



Summary

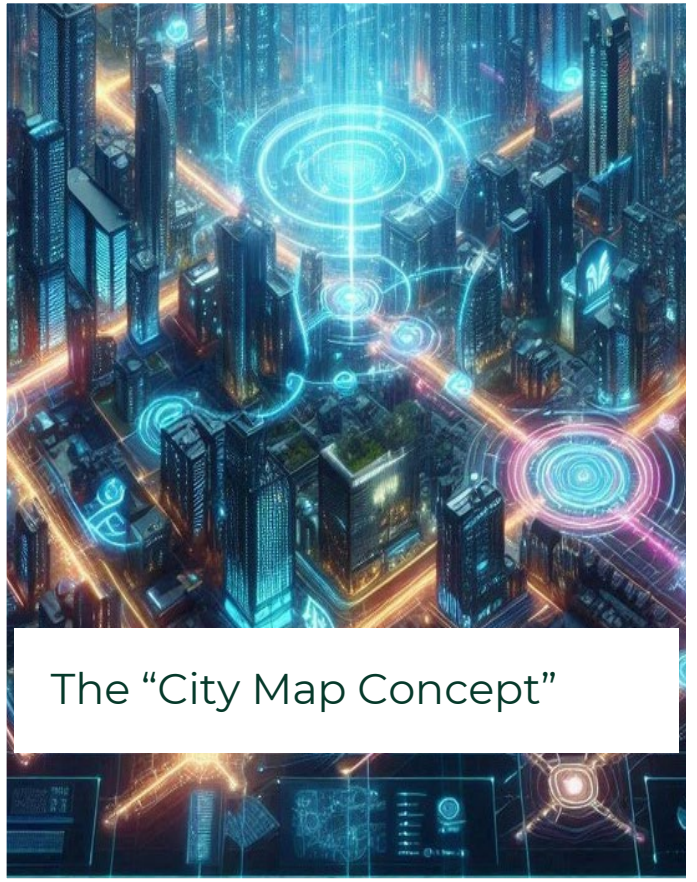
- Strong team and committed leadership
- Plan for next 6 months
  - DTA operationalization and AI Hub setup
    - More consolidation and cost efficiency opportunities
  - Digital transformation strategy by Dec 2025
  - Digital accelerator 5 - year **blueprint** plan (City Map analogy)
    - Identify foundational blocks – some exist & some dont

Digital Accelerator 5-Year Blueprint Plan

Team of experts Across Centers

“City Map”5-year Blueprint Plan(Q4 2025)

Value Proposition & Business Case



The “City Map Concept”

Thank you