

Digital Transformation for FCCB Government Agencies in Papua New Guinea



Funded by
the European Union



EU-FCCB
PAPUA NEW GUINEA



About Benjamin!

Principal Solutions Engineer & Digital Transformation Leader

Benjamin is a **digital transformation leader** specialising in **public sector digitalisation, IT governance, and emerging technologies**. He designs **government-wide digital infrastructure, enterprise systems, and data-driven platforms** to enhance service delivery, cybersecurity, and sustainability. With expertise in **AI, blockchain, cloud, and compliance**, he drives **scalable innovations for governance and impact**.

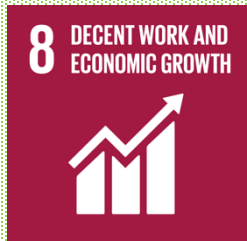
- **Expertise in: e-Government (Digital Government), ERP, CRM, IT Strategy and Governance, Compliance (GDPR, NIST, ISO 27001, ISO 27017), Cybersecurity, Cloud Computing, Blockchain, AI, and DevOps.**
- **Public Sector Digitalisation:** Designing and deploying **government-wide digital infrastructure, national platforms, and enterprise systems** for enhanced service delivery.
- **Data & Intelligence:** Business Intelligence (BI), Data Discovery, GIS, and MRV systems for data-driven decision-making.
- **Environmental & Sustainability Systems:** Carbon registry platforms, biodiversity monitoring, and REDD+ result-based payment systems supporting climate action and conservation.
- **Innovation & Leadership:** Transforming complex challenges into scalable, high-impact digital solutions with a focus on sustainability and efficiency.
- **Collaboration & Strategy:** Bridging technology and governance to empower institutions, drive digital transformation, and deliver real-world impact.



Ghana – Digital Innovative Agriculture



**Niger – Village Savings and Loan Association (VSLA)
Digital Community Financial Management**



**Transformative Programmes Advancing the Sustainable
Development Goals (SDGs)**

Objectives +

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Objectives & Scope

What do we want to achieve?

Objective: To modernize and streamline the IT landscape of key FCCB government agencies in PNG, ensuring efficient, coherent and user-friendly digital solutions.

Scope: Conduct an IT landscape assessment to establish current capabilities, gaps, and opportunities, followed by a comprehensive solution blueprint aimed at enhancing digital platforms for climate, biodiversity, and forestry governance.

Context & Importance



Environmental Urgency

PNG's vulnerability to climate risks (e.g., flooding, deforestation) requires effective data management and response systems.



Economic Dependency on Natural Resources

Sustainable resource management is vital to mitigate environmental impact and stabilize economic growth.



Global Biodiversity Hotspot

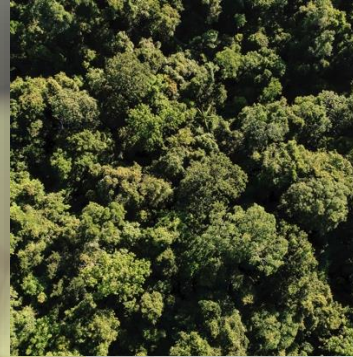
PNG houses unique ecosystems that need protection and efficient governance for conservation efforts.



European Union Support

As a major development partner, the EU is investing €54.7 million to support climate resilience, green growth, and sustainable resource management in PNG.

Current Challenges



Weak Digital Infrastructure

Key agencies like CCDA, PNGFA, DAL, CEPA, and NEA have underdeveloped IT systems that lack interoperability, modern interfaces, and robust data management capabilities.

Data Fragmentation

Lack of cohesive, centralised data management systems hampers collaboration and data sharing across agencies.

Limited Accessibility

Existing systems are not user-friendly and often fail to meet global standards for accessibility, which limits their reach and impact.

Project Objectives



Laying the Groundwork for an Integrated, Efficient,
and Transparent Government Ecosystem

IT Landscape Assessment

Comprehensive review of existing digital infrastructure, identifying gaps and inefficiencies.



Capacity Building

Equip government staff with skills for managing and maintaining these systems long-term.

Solution Blueprint Development

Define a roadmap for modern, integrated digital platforms tailored to the needs of FCCB government agencies.

Enhanced Public Engagement

Establish user-friendly, visually appealing websites that serve as communication hubs for domestic and international stakeholders.



Priority Approach for EU-FCCB Project Implementation in PNG

Needs Assessment: We will conduct comprehensive workshops and interviews to gather insights from agencies, understanding their specific operational needs.

Objective Alignment: We will ensure the needs identified align with the overall strategic objectives of the FCCB Digital Transformation initiative.

High-Impact Areas: We aim to concentrate resources and efforts on high-impact initiatives that offer long-term value and support FCCB's transformation objectives.

Phased Implementation: We will conduct a phased approach to address prioritized needs, ensuring manageable rollout and capacity-building within agencies.

Projected Timeline & Key Milestones



**IT Landscape Assessment
and
Initial Solution Blueprint**

2024



**Rollout of Pilot Platforms
and
Training for Key Agencies**

2025



**Full Deployment of
Digital Platforms across
FCCB Agencies**

2026



**Maintenance, Optimization,
and Handover for
Sustained Impact**

2027

Long-Term Vision

Building a Sustainable Digital Foundation for Climate Resilience and Governance Excellence

A Resilient Digital Ecosystem

Establish a sustainable digital infrastructure that supports PNG's environmental, economic, and social development goals.

Model for Future Transformations

Position the FCCB initiative as a blueprint for broader digital transformation across PNG's government sectors.

Enhanced Global Standing

Enable PNG to engage more effectively on the international stage, demonstrating commitment to environmental stewardship and sustainable development.





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SYSTEMS

DAL Digital Transformation Framework

IT Landscape Assessment

Technical or Organisational Perspectives

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NEA Digital Transformation Framework

IT Landscape Assessment

Technical or Organisational Perspectives

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THANK YOU

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