Department of Agriculture and Livestock

"Agriculture - Arise & Shine, Our Time Has Come"

"Digital innovations in the Agriculture sector, Papua New Guinea"

Department of Agriculture and Livestock, Papua New Guinea

Department of Agriculture and Livestock

• Aims to promote improvement and expansion of food crops and livestock programmes and projects in a bid to assist the people of PNG meet their local requirements in nutrition and household food security.

The E-Agriculture Project

Partners

i.   Department of Agriculture and Livestock (DAL),
ii.   Department of Communication and Information (DCI),
iii. National Information and Communication Technology Authority (NICTA),
iv.   Food and Agriculture Organisation of the United Nations (FAO),
v.   International Telecommunication Union of the United Nations (ITU),
vi.   and other stakeholders including key agencies in the agriculture, natural resource and ICT sectors.

The E-Agriculture Project

- Aims at harnessing the ICT potential of the country in achieving the agriculture goals and further strengthening the role of ICTs in accelerating the growth of the agriculture sector in a sustainable and equitable manner.

Achieved Developments from the E- Agriculture Project
1. PNG National E-Agriculture Strategy (2017-2023)
2. Operationalizing of NDAL website
3. Agri-Tech and digital literacy training
4. Broadband Technology
5. Livestock Traceability System using the Block-chain Technology
6. Block-chain technology training for local ICT experts

PNG National E-Agriculture Strategy (2017-2023)

- A strategic framework to support and embrace agricultural development in PNG through the adoption and use of ICTs and related technologies.

    - **Development of strategy was guided by National and Sectoral policies,**
    i. PNG Vision 2050 (2010–2050),
    ii. PNG Development Strategic Plan (2010–2030),
    iii. The National Agriculture Development Plan (2007–2016)
    iv. and the National Broadband Policy (2013).

DEPARTMENT OF
AGRICULTURE AND LIVESTOCK

Papua New Guinea E-agriculture Strategy

"The Papua New Guinea agricultural sector transformed by innovative information and communication technologies, by 2023"

March 2018

NDAL Website

- The online presence of NDAL ensures greater visibility, promotes corporate standing, increases networking and communication, while facilitating knowledge management and information sharing in real-time.

- Value chain actors, farmers and a range of other knowledge seekers are expected to benefit significantly from the increased access to information, links and resources on the website.

Broadband Technology

- **Broadband Technology** was introduced to farming communities in the Jiwaka Province to support their use of the internet for digital engagement in networking, communication, marketing and sourcing information.

Livestock Traceability System using the Block-chain Technology

- The pilot project was conducted in Jiwaka on pig (livestock), using distributed ledger technologies (Block-chain) to create a database for traceability.

- Pig farmers were registered and their pigs were ear-tagged with (radio frequency identification) FRID-enabled tags which were linked to the traceability database.

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