

Smart Plant Health, What does the future look like?



Ephyto solution: Senegal's experience

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The IPPC ePhyto Solution

- To facilitate the electronic exchange of phytosanitary certificates
- Issuance/authorization of an ePhyto
- Printing of the sent certificate data on paper
- Ability to check the authenticity of an ePhyto after receipt
- Extraction of the data from an ePhyto
- Printing of the received certificate data on paper
- Ability to store ePhytos for later reference
- Connected to the Hub to facilitate certificate transfer
- Reporting

Hub
System to facilitate exchange of ePhytos between NPPOs

GeNS
Generic ePhyto National System
Centralized web-based system to allow countries without their own systems to produce, send and receive ePhytos through the hub

Harmonized message
Uniform format, structure and accompanying codes and lists where applicable



Why ePhyto?

- Increased workload
- Loss of commodities waiting for clearance
- Fraudulent certificates
- Connect Senegal to its main international partners and customers
- Develop digital practices based on international standards
- Strengthen the competitiveness of Senegal's export sector

Challenges and organization

- Limited resources (financial, logistical and human)
- Limited support and reluctance to change

Steering Committee

- Includes project decision-makers
- Project orientation
- Arbitration in case of difficulties – conflicts
- Expresses hierarchical view of company

Project team

- Participate in the study
- Provides post-deployment support and assistance

Achievements/Results

- **Development & Management of the GeNS system**
- **Video communication action**

Results

- **National level**
 - **Government : Increased revenues**
 - **Institutional level**
 - **Increased skills and capabilities: Efficiency in service delivery (85 %)**
- **Industry level**
 - **Time savings: reduced travel, cost savings, improved communication (90 %)**
 - **Reduced international risk**
 - **Confidence and authenticity of certificates issued (100 %)**

Challenges and financial needs

- Limited support for rolling out the solution to other substations
- Availability of high-speed Internet service
- Electronic signature
- Elimination of paper
- Sharing of developed solutions (50 000 \$)

Thank you

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