

# 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

The screenshot shows a web browser window with the URL [sn-uat.ephytoexchange.org](http://sn-uat.ephytoexchange.org). The page features the Senegal coat of arms and the text "Senegal" at the top. Below this, it says "System national générique ePhyto (GeNS)". There are two input fields: "Insérez votre courriel\*" and "Insérez votre mot de passe\*". A green "Connexion" button is below the password field. At the bottom, there are links for "Réinitialiser Mot De Passe" and "Enregistrement De La Société". The ePhyto logo is visible in the bottom left corner, and the Senegalese flag is in the bottom right corner.

# 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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