

Updates coordination of global actions FOC TR4

24 to 27 October 2023





Capacity building

Bet on innovations and developments:

Actions	process
Smart platform: VIGIMUSA	2022 begins with the support of the IDB / Phytosanitary Surveillance
General monitoring and surveillance, through mobile platforms and applications	The 9 countries using technology for surveillance
Satellite monitoring	Sentinel farms established / Taiwan Space Agency
Video surveillance	In process and study (Sentinel Farms)
Trazar - Agro technological platform	Being implemented
“X-rays” for inspection at entry points	Implementing in airports
Autoclaving as treatment of international waste	Implementing in Airports
Risk maps with climatic and genetic variables	In the process of updating

Bet on innovations and developments:

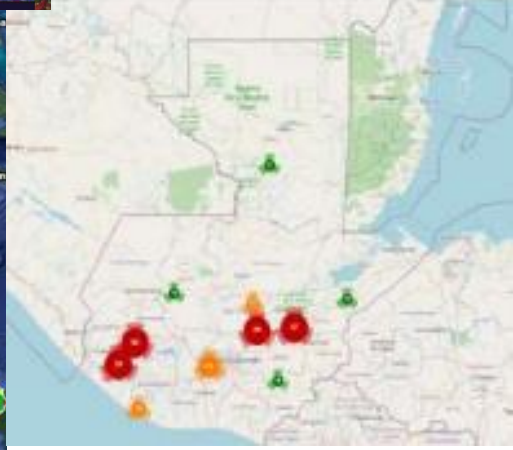
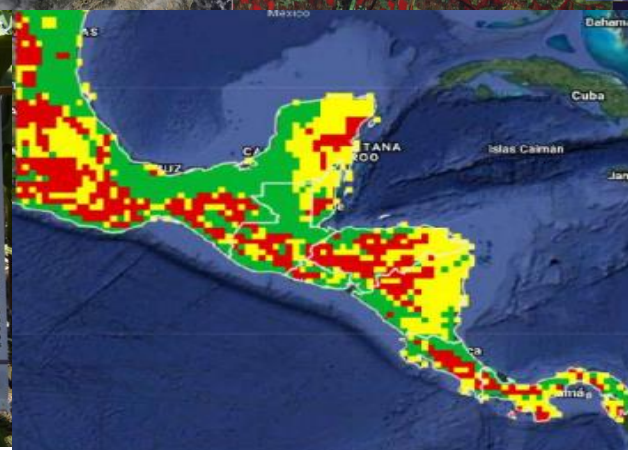
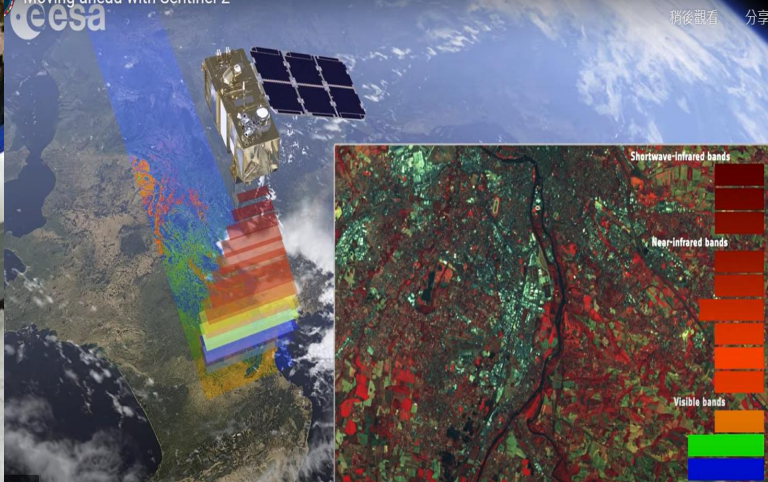
Actions	Process
Tolerant or resistant varieties	In process with the support of Taiwan ICDF
Biosafety lanyards	Development of protocols
Regional PRA with epidemiological approach	Updated
Canine Units	Being implemented
Assessment of capabilities including simulation	Being implemented
“Healthy plant” certification	To be established
Genetic material mobilization protocols	Elaborated



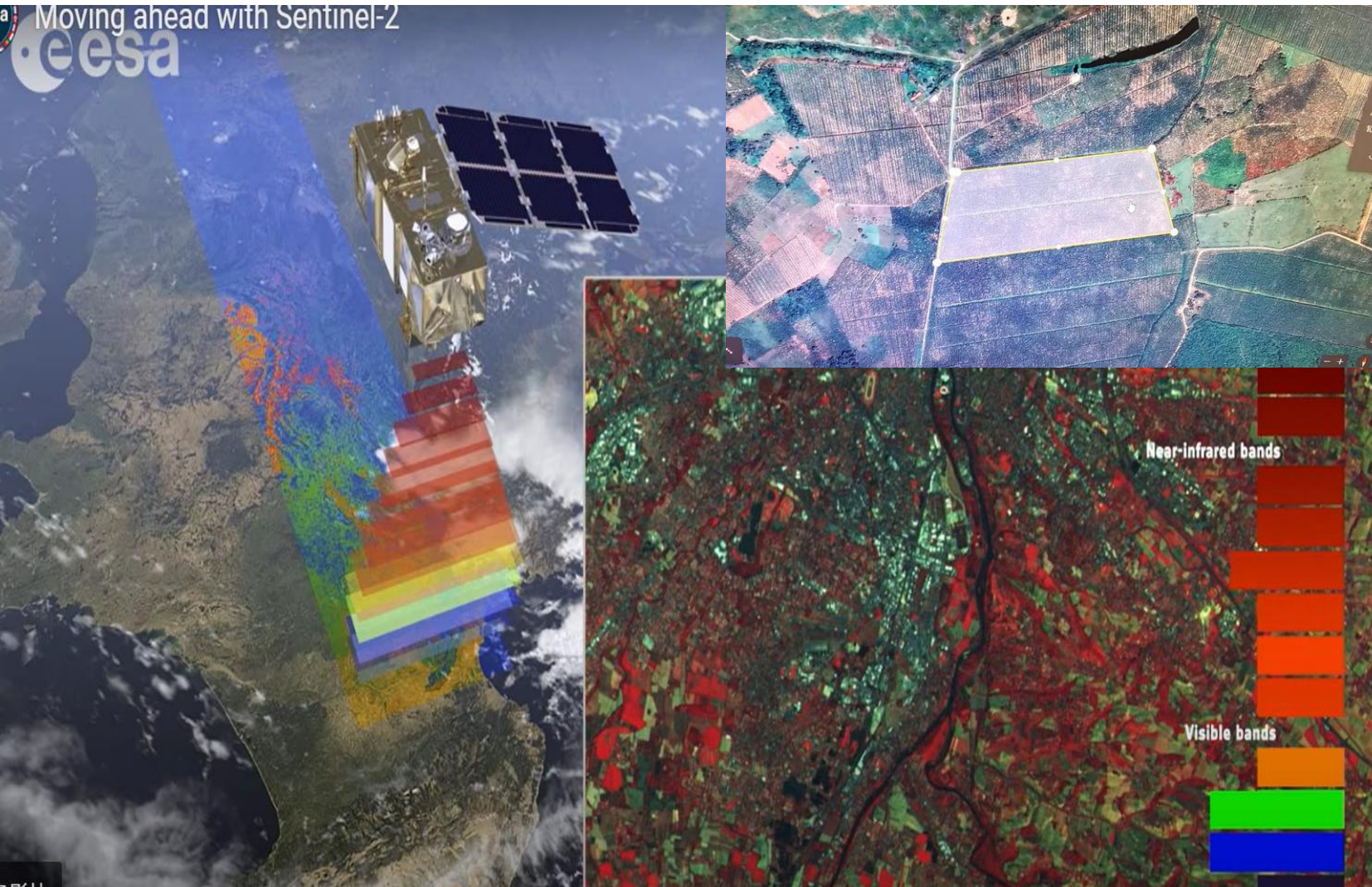
ORGANISMO INTERNACIONAL REGIONAL DE SANIDAD AGROPECUARIA

Medidas de bioseguridad para la introducción y movimiento de material de propagación de musáceas en la región OIRSA

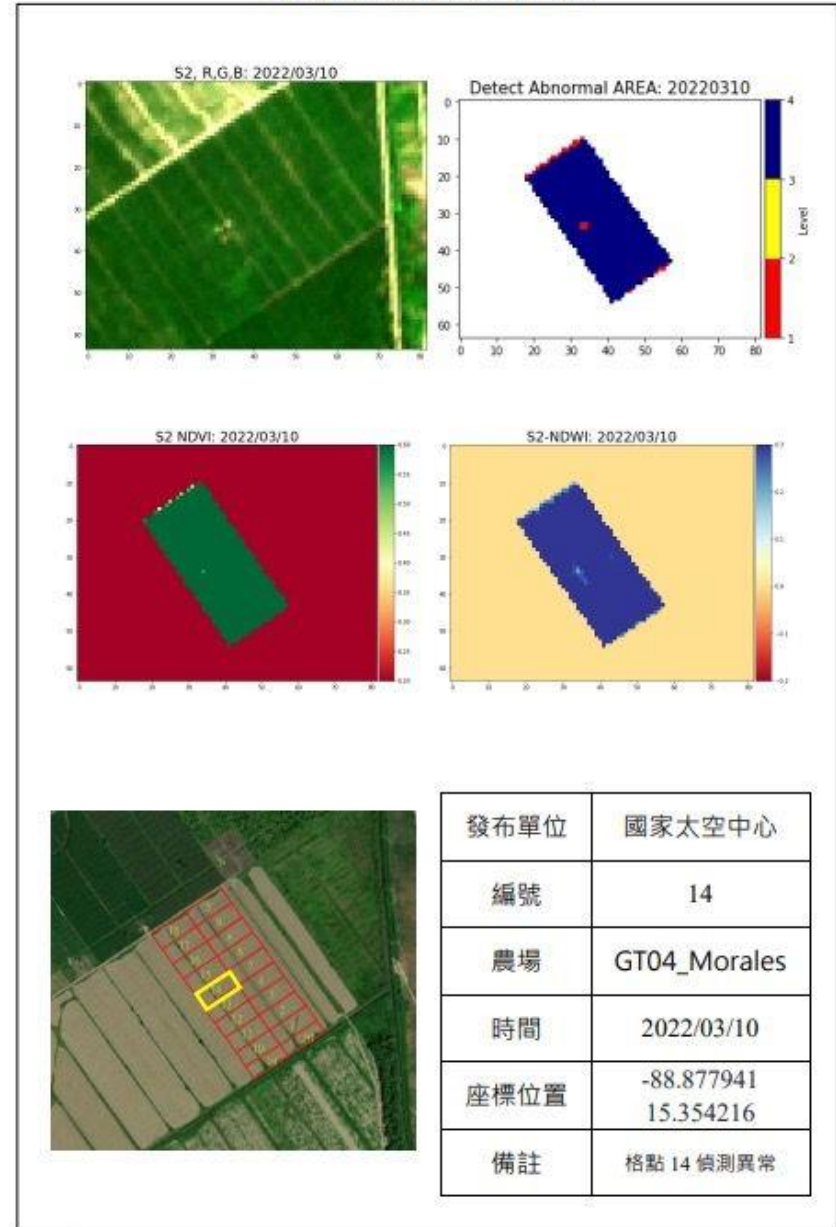
Marzo de 2021



Satellite Monitoring



植物病害監測發布通知





Amigo productor

ayúdanos a mantener los cultivos libres de

Fusarium R4T



Red regional
Vigimusa
Proyecto BID - OIRSA

Protejamos las plantaciones de

Fusarium R4T

Alert Network!



**¡REPORTA CUALQUIER
SOSPECHA!**

Red regional
Vigimusa
Proyecto BID - OIRSA



Para una mejor producción,
mantegamos los cultivos
libres de

Fusarium R4T



★ ★ ★ **H**
Sanidad e Inocuidad
Agroalimentaria
SAG-SENASA



Virtual simulation room with Artificial Intelligence Vigimusa

Integration of 3D technologies for virtual simulation

- Incorporation of virtual elements and scenarios that provide more and better information and accuracy to data collection and information analysis, and good practices for NPPO technicians.



First views of the simulation zones based on the Colombian experience

Environmental Object Prototyping

Details of the environment within 3D modeling for interaction with the user



Sampling simulation

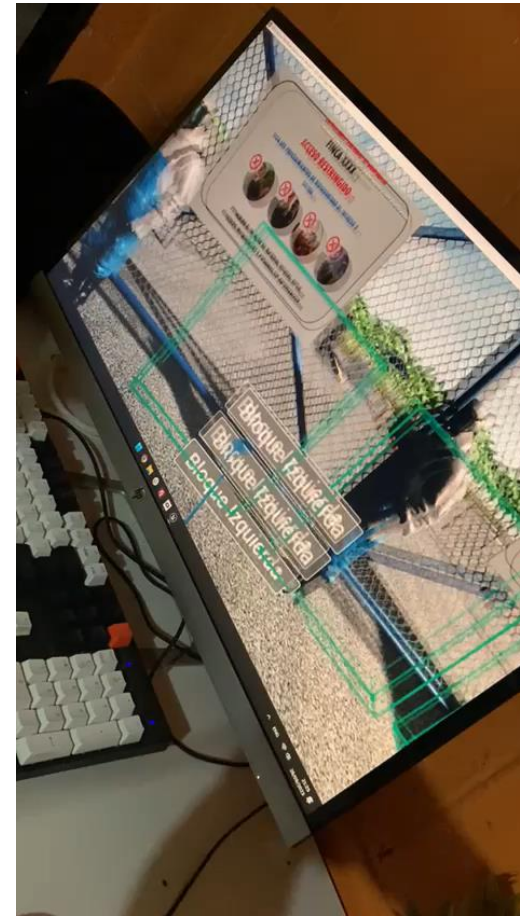
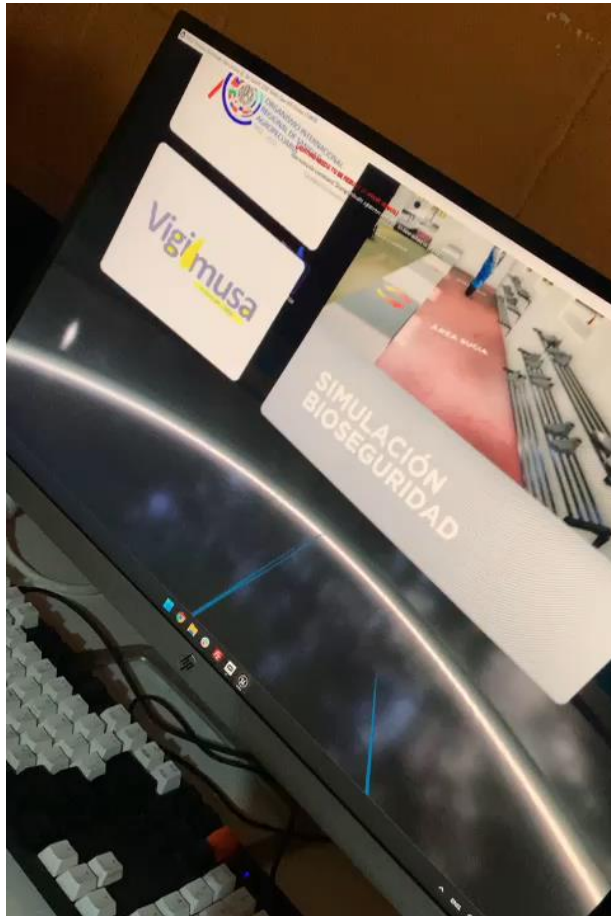


Biosafety area



Simulation plot

Advances in user experience with state-of-the-art virtual reality headsets.



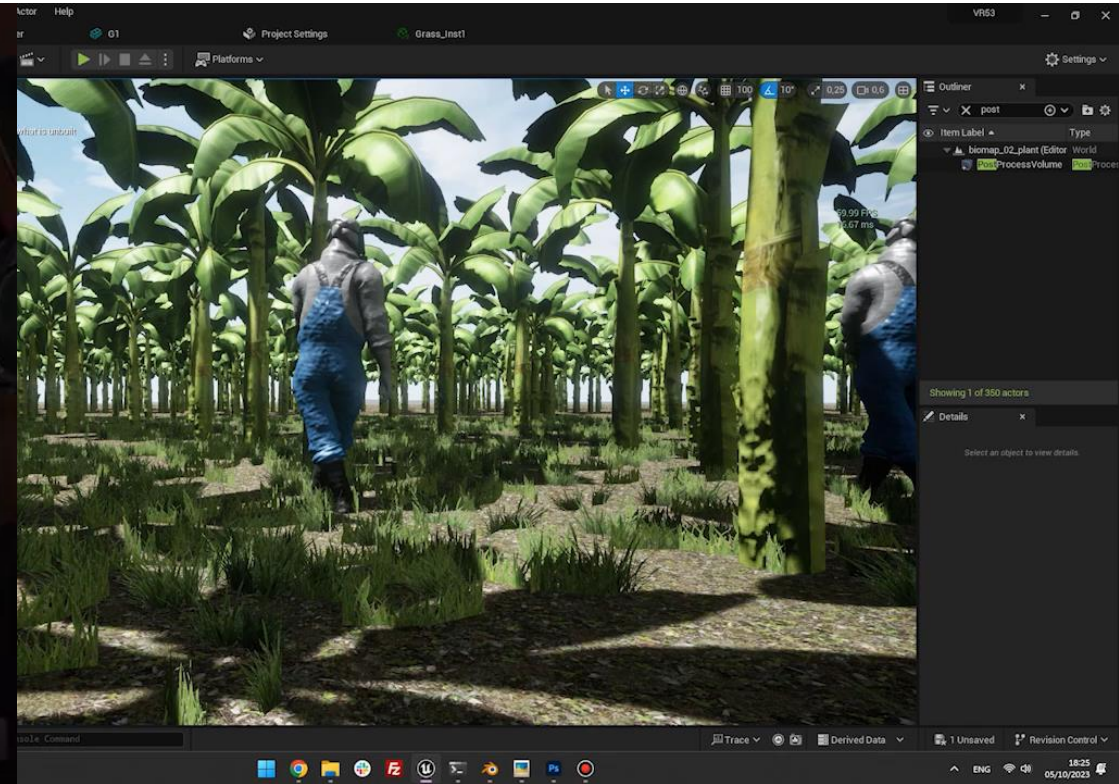
Interaction with the objects to the procedure is performed well to give a result at the end of the course with a maximum score of 100 points.

Creation of a user-friendly and immersive interface for the best simulation results

Detailing of the environment for better realism



Final finishes on the plant affected with the pathogen for sampling.



Tests with interaction with the processes that will be programmed simultaneously for the evaluation of the actions that have been performed in process by means of artificial intelligence.

COORDINATION WITH INTERNATIONAL ORGANIZATIONS

Results:

Strengthened relationship with:

- **FAO** (coordination, financial support, advice)
- **Taiwan - ICDF** (Foc R4T financing and advisory)
- **IAEA** (document editing)
- **IDB** (financing for VIGIMUSA project)
- **Bioversity CIAT** (Foc R4T, OneCGIAR initiative)
- **IPPC – RPPO** (ISPMs and Technical Groups)
- **AGROÇALIDAD** (Exchange of experiences)
- **CAN, NAPPO, COSAVE** (Exchange of experiences)
- **ICA Colombia** (containment support)
- **SELA** (Coordination)



Phytosanitary Command (Group of experts)



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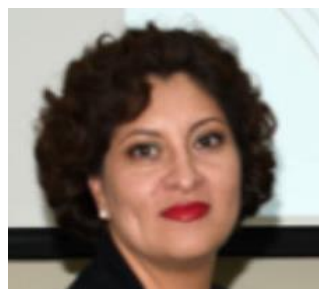
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Functions of the Foc R4T Phytosanitary Command

1. Evaluate and monitor the **regional phytosanitary alert declaration** issued by RPPO.
2. Provide advice on national **alert declarations** , through ministerial agreement of the NPPOs.
3. Prepare, review and update **contingency plans** for Foc R4T.
4. Prepare and update the **regional action plan** for prevention: phytosanitary measures and the Early Warning System (**EWS**)
5. Support and evaluate the development of national and regional **simulations** for prevention and their activation in the event of confirmation of a Foc TR4 outbreak.
6. Advise and accompany the **national technical groups** of the NPPO.
7. Evaluate the capacities of countries and NPPOs in terms of diagnosis, surveillance, prevention and management of Foc TR4 outbreaks and recommend the necessary improvements.
8. Provide follow-up to the harmonization of **phytosanitary measures** to minimize the risk of introduction of Foc TR4 to new areas.



What we have?

1. Action Protocols
2. Diagnostic Capacity
3. Formation of Technical Groups
4. Financing Projects
5. Application of Phytosanitary Measures
6. Performance Drills
7. Emergency response capacity
8. Synergies with International Organizations
9. Emergency Funds
10. Epidemiological Analysis PRA
11. Resistant varieties
12. Biological Control Laboratory



What should we do?

- 1) New diagnostic survey to determine the current situation of various pests of interest
- 2) Assess and strengthen biosafety capabilities currently operating
- 3) Accelerate processes for evaluating tolerant or resistant materials
- 4) Support in project management with International Funding
- 5) Continue with the Training Program
- 6) Form and strengthen Phytosanitary Commands
- 7) Build a healthy plant system (biofactories)
- 8) Contingency plans for new phytosanitary threats
- 9) Involvement of all sectors