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DE DÉVELOPPEMENT

David Malazonia

Director, Proagro LCC

“Challenges and applied technologies in the field”



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Smart agriculture technologies provide :

A. Improving farming management

1. Irrigation and fertigation system automation and remote control
2. Pest forecast and agronomy decision support
3. Plant nutrition control
4. Improving agronomy and digital farming by posting sensors data automatically
5. Control execution of farm management



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Smart agriculture technologies provide :

Farming Economy :

6. Water and power resource economy
7. Reduce fertilizer use
8. Improve the product quality, increase production yield
10. Reducing the production cost
11. Increase the farmers' income



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Smart agriculture technologies provide:

B. In light of EU Green Deal perspective

12. Reducing nitrogen trace in fruits
13. Improve soil and microbiota
14. Reducing the greenhouse gas emission
15. Preserve groundwater pollution
16. Reducing resource use (water, electricity, fertilizers, chemicals)



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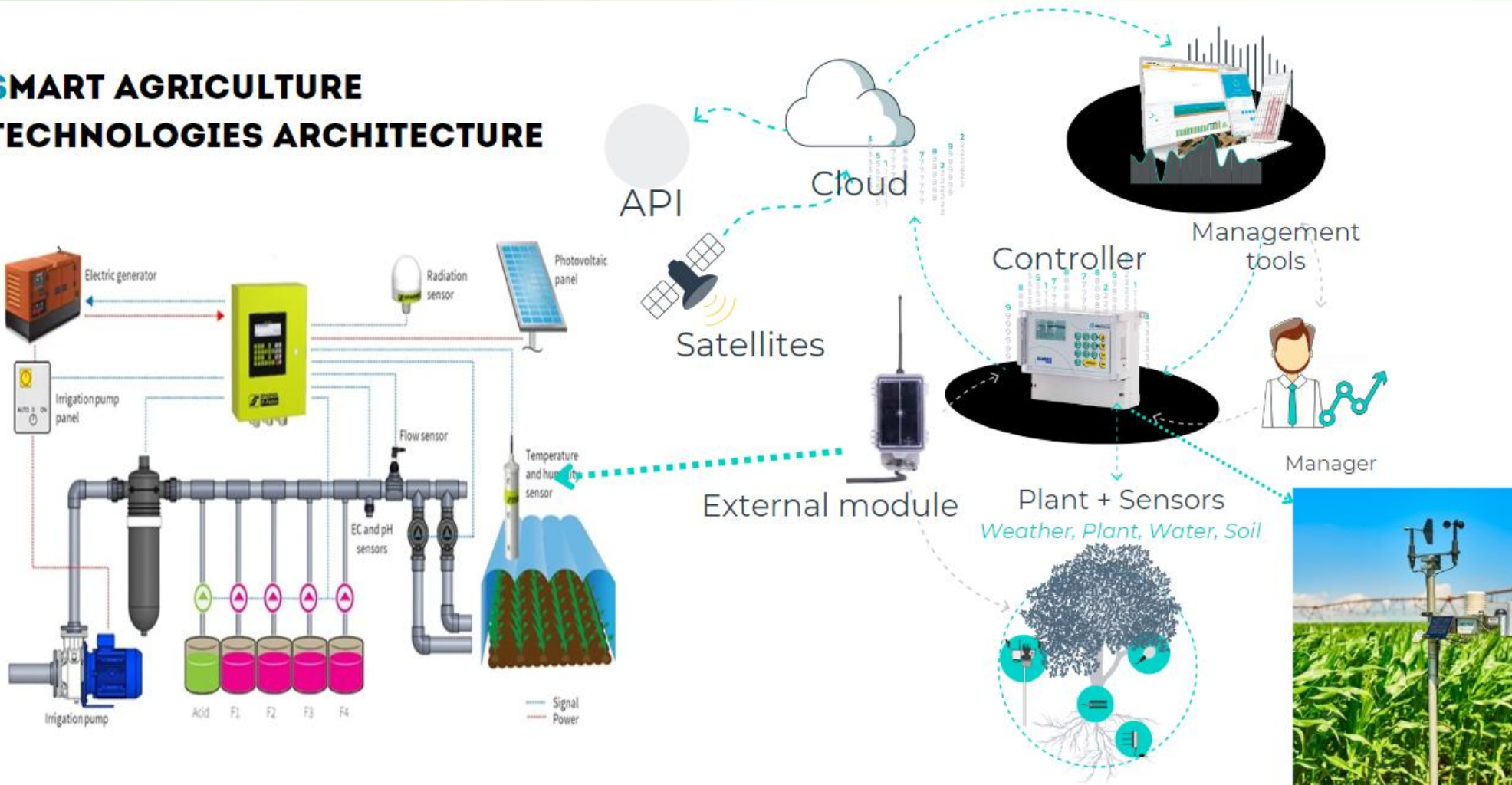


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SMART AGRICULTURE TECHNOLOGIES ARCHITECTURE





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AGUA DISPONIBLE
Índice de contenido de agua en el suelo

El contenido de agua en el suelo y las pérdidas por evaporación y transpiración de la planta

DPV
Diferencia entre el período de crecimiento y el período de maduración por lluvia o temperatura

ETo
Pérdida de humedad de la planta

80%

PROAGRO
Irrigation & Fertigation

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Unification with agronomic and digital farming platform

VEGGA

Solutions Prices FAQ Contact Digital Kit

Check in To access

The 360° platform to optimize agricultural production

Manage your crops and farms in a comprehensive and sustainable way.

scroll down

VEGGA is the comprehensive agronomic platform adapted to you and connected to your crop

VEGGA

Inicio Clientes My Manager Alarbes Configuración Daniel Martín

Equipos

Estado: **Activo** ID: **430910** Tipo / Version: **A-2000 / 1.05** [Compartir](#)

Nombre del equipo: **MH 03/03/2022 10:50** Ubicación: **09482013 0422** [Cambiar estado](#)

Programa	Nombre del equipo	Wga pendiente	Wga programada	Reserva	Reserva por	Estado
Olivo	430910	0h 20min	0h 20min	0	Reserva	Actualizar
Almendros	430910	0h 20min	0h 20min	0	Reserva	Actualizar
Tomates	430910	0h 20min	0h 20min	0	Reserva	No conectado
Heno	430910	0h 20min	0h 20min	0	Reserva	-
Frutales	430910	0h 20min	0h 20min	0	Reserva	Actualizar
Viveros	430910	0h 20min	0h 20min	0	Reserva	Actualizar
Platache	430910	0h 20min	0h 20min	0	Reserva	Actualizar
Frutales del norte	430910	0h 20min	0h 20min	0	Reserva	Actualizar
Programa 1	-	-	-	-	Reserva	No conectado
Programa 2	-	-	-	-	Reserva	No conectado



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Challenges :

1. Accuracy of some sensors
2. AI and big data technologies to be developed
3. Compatibility different equipment and platforms with each other
4. Unification of all precise agriculture technologies in one equipment and Platform



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Challenges :

5. Farmers' information and education
6. Some agronomists are not willing to take the initiative to digital tools
7. Investment cost is acceptable for medium and large-scale farmers but needs subsidy the small-scale farmers.



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Thank you !

**By : David Malazonia
Proagro Director**

+995 599 99 11 51

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