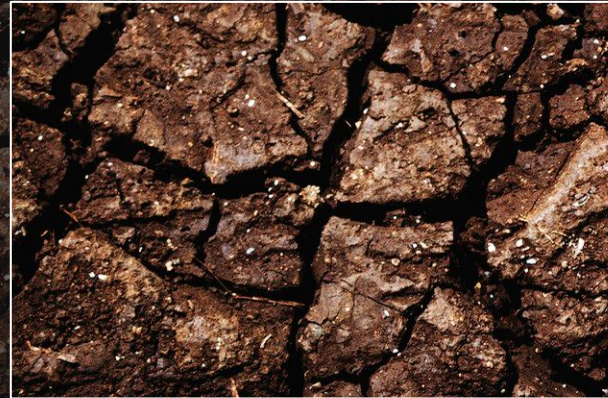


Nunatak Biotech

The extreme bioinput powerhouse

DECLINING LAND PRODUCTIVITY

- 1/3 of agriculture land is degraded
- Up to 50% of irrigated land is salt affected reducing crop yield
- <1% of soil microbes mapped & <10 microbes used in products
- Current tech misses soil-plant-microbiome dynamics



URGENCY RECOGNIZED BUT

BIOLOGICALS FALL SHORT

Biologicals are agricultural products made from microorganisms (such as bacteria or fungi) that help crops grow better, fight diseases, and cope with stress.

However, current solutions:

- Lack compatibility with chemical products
- Focus only on fertile soils
- Limited microbial diversity (using only in 10 microbes, having billions in nature)



WE BRING A NEW APPROACH

EXTREME BIOTECHNOLOGY, BORN IN ANTARCTICA

- 20+ years researching Antarctic life
- Experts in bioprospecting & symbiosis
- Tapping nature's toughest microbiomes



We decoded how
Antarctic grass
survives – thanks
to ***its microbes***

LAND OF OPPORTUNITIES

We combine complementary microbes in formulations fully compatible with chemical and biological inputs, bridging both worlds.

Clients: Fertilizer, chemical, biological and seed companies

Revenue model: supply of final product and technology licencing

Strategy: enhance companies' product portfolios with our solutions

\$15.8B

Biologicals market
CAGR 10%

\$220B

Fertilizer market
CAGR 4%

NUNATAK BIOINPUT PLATFORM

MICROBIAL CONSORTIA

Microbial products

offer faster, cheaper stress protection than other techs.

Extremophiles are naturally adapted to salinity, drought, and poor soils.

Synthetic consortia combine functions and perform better than single strains.

More stable and resilient in real field conditions.

NUNATAK BIOINPUT PLATFORM

NEXT-GEN MICROBIAL SOLUTIONS

Next-Gen Microbial Solutions: Scalable products based on extremophile microbes that thrive in stress conditions—targeting key ag challenges.

Compatibility & Stackability: Designed to integrate seamlessly with existing agrochemicals and biologicals, reducing adoption barriers.

AI-Powered R&D Platform: Combines phenotypic and genomic data to design high-performance, predictable microbial consortia.

De-risked Development: Genomic compatibility engine and stackable formulations streamline product development and scale-up.

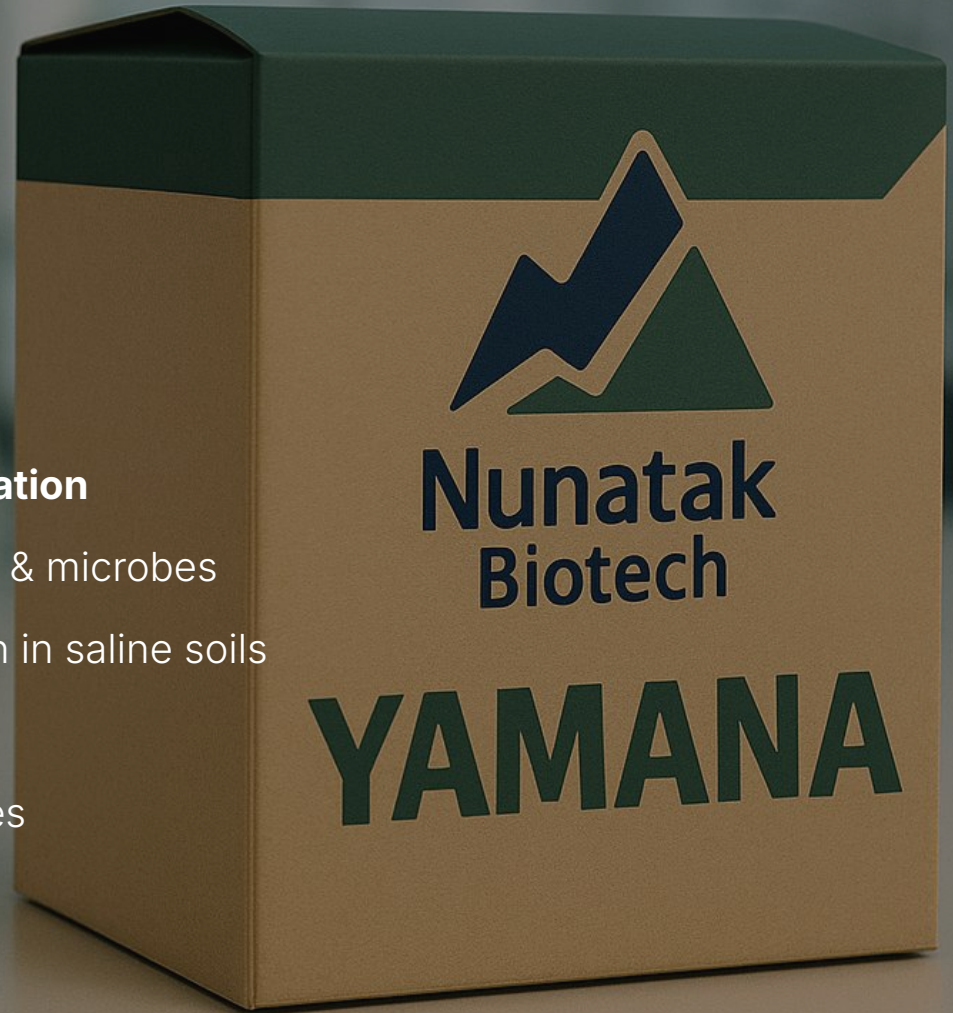
B2B Go-to-Market: Positioned as a platform partner for ag input companies seeking differentiated, field-ready biologicals.

1st product, Biofertilizer

YAMANA

Seed & foliar application, seamless integration

- Triple action: micronutrients, humic acids & microbes
- Boosts mineral availability (P, K, Zn), even in saline soils
- Compatible with agrochemicals
- Validated in wheat, barley, corn & pastures



1st product, Biofertilizer

YAMANA

→ **Under registration**

8 locations, **12** trials (wheat and barley)

→ **Piloting with**

4 Agtech companies (wheat and pastures),
negotiating first contract of distribution for next year
sales.

1 Food company (barley)



BOOSTING YIELD AND
STRESS TOLERANCE TO

SALINE SOILS

→ 10% of global soils are affected by salinity, causing economic losses of up to \$27.3B per year

→ A growing problem: reduced soil fertility and declining food production

→ Invited to present at the UN Biosalinity Workshop (Dubai) as there are few microbial solutions addressing this major challenge

Our solution:

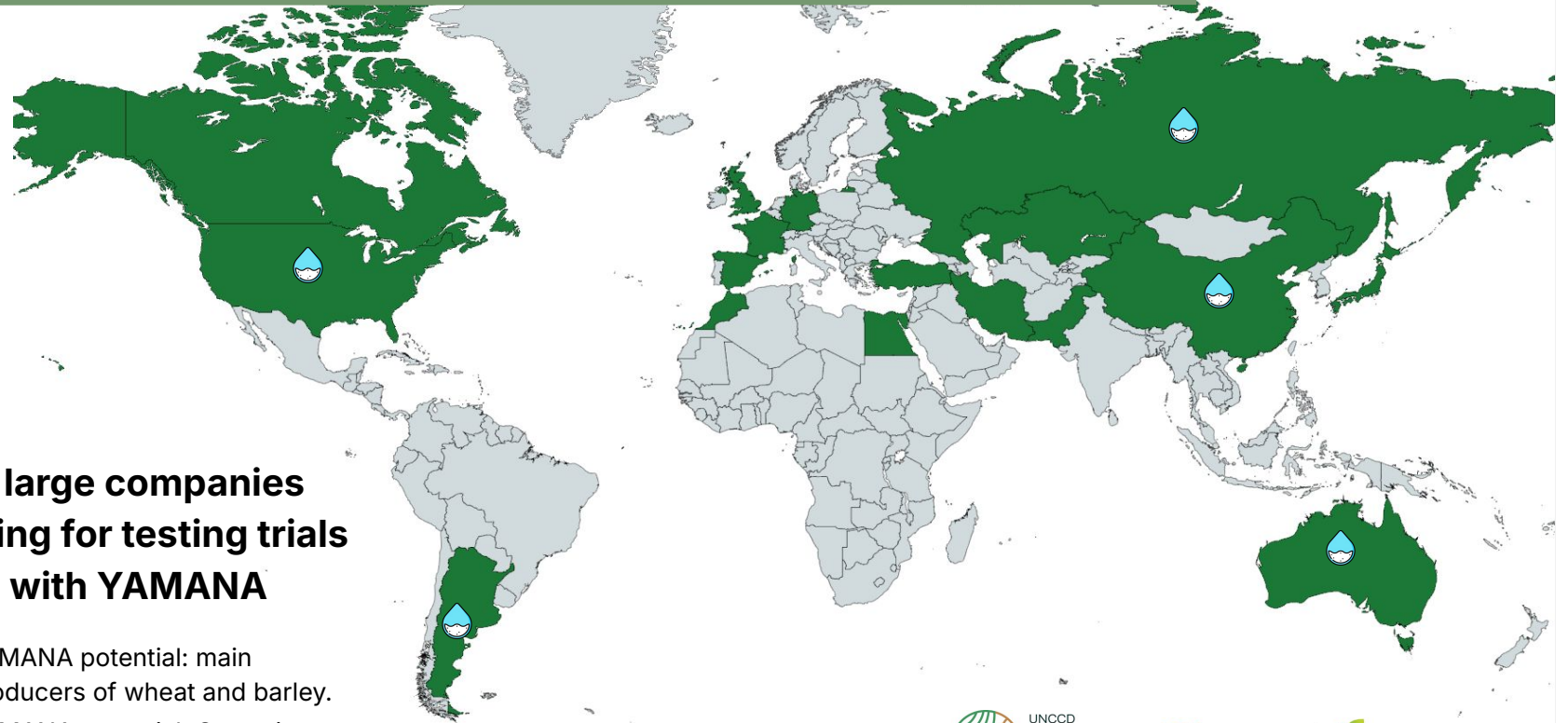
↑ germination

↑ grain yield



Better plant establishment



GLOBAL IMPACT



**5 large companies
paying for testing trials
with YAMANA**

-  YAMANA potential: main producers of wheat and barley.
-  YAMANA potential: Countries more affected with salinity soils

Invited to showcase at



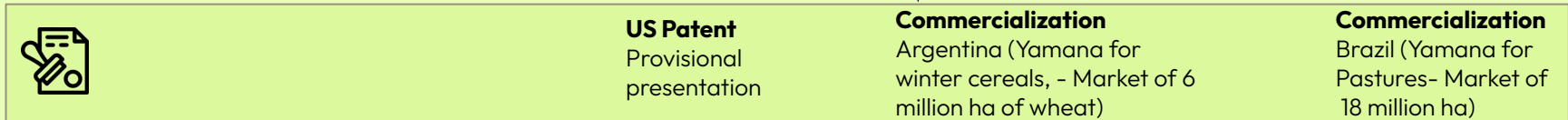
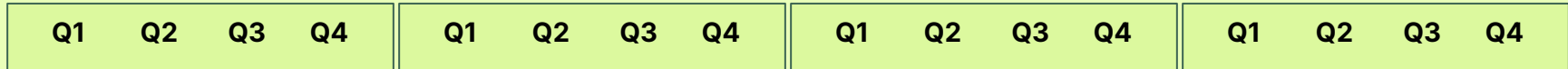
YAMANA STRATEGY

2024

2025

2026

2027



THIS IS JUST THE BEGINNING, BUILDING NEW PRODUCTS

EXTREME BIOINPUT POWERHOUSE

- > Microorganisms bank in constant expansion
- > 400 (bacteria | actinobacteria | fungi)

TRL 1 Principles	TRL 2 Concept	TRL 3 Proof	TRL 4 Validation	TRL 5 Environm.	TRL 6 Demonst.	TRL 7 Prototype	TRL 8 Qualified	TRL 9 Operation
	<ul style="list-style-type: none">Pasture Seed treatmentCarry over mitigationMetabolites Biostimulant	<ul style="list-style-type: none">Foliar N fixation		<ul style="list-style-type: none">Bio-enabler chemical fertilizerRemediation solutions	<ul style="list-style-type: none">Pastures in saline soil	<ul style="list-style-type: none">Biofertilizer YAMANA		

TRL : Technology Readiness Level

TO REACH OUR LONG TERM
VISION IN PLANT HEALTH

DESIGN MICROBIOMES

In only one year and half,
Nunatak is COMBINING →

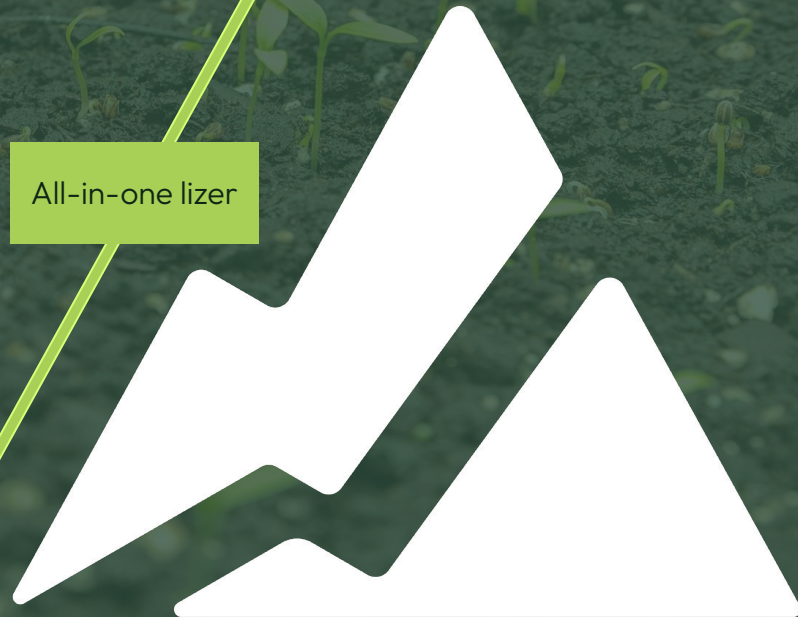
Nutrition
and stress tolerance

In 3 years
REDUCING THE NUMBER OF TIMES FARMERS
NEED TO ENTER TO THE FIELD TO APPLY
PRODUCTS (SAVING COSTS AND FUEL) →

All-in-one lizer

In 7 years
CHANGING THE PLANT
HEALTH APPROACH →

Synthetic
microbiome



AMBITIOUS FOR IMPACT

- **750M** ha of gramineae globally
- **Feed around 2.5 billion people** annually
- Our vision: **ensure food production while planetary health**

FUNDRAISING

Raised to date: **\$280K USD**

Current bridge: **\$270K USD** committed, closing July 2025

Raising:

1.5 million USD

Use of funds:

- Launch YAMANA sales 2026
- Registration and expansion in Brasil
- New solution bio-enabler



Our ADVENTURE TEAM



Julia Mensa

/ CEO - co-Founder

Business and international relations



Martha Martorell, PhD

/ COO - co-Founder

Mycology and bioprospecting



Gustavo González Anta

/ Partner

Bioinput specialist / ex-Rizobacter



Lucas Ruberto, PhD

/ R&D Head - co-Founder

Environmental Biotechnology



Francisco Massot, PhD

/ CTO - co-Founder

Bacteriology and plant-science



Luis Mogni

/ Advisor

Agtech business



Laura Recalde, PhD

/ Team

Plant-science analyst



Lucas Borque

/ Team

Biotechnology analyst



Ignacio Llamedo

/ Team

Plant-science assistant



Carlos Becco

/ Advisor

Agtech Business

 **Nunatak Biotech**





Nunatak Biotech

with nature on our side