



Great wines come with great Terroir...from Space

Impact of Climate Change on Agriculture

Yields/Quality



Running costs

Focus on Viticulture

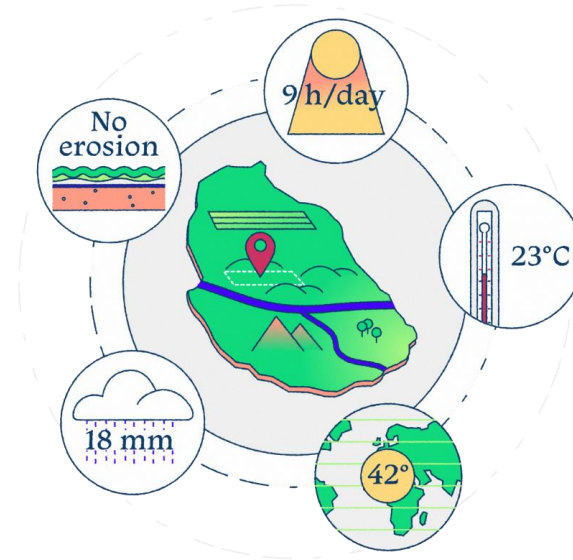
- Huge market
- High-valuable crop ➡ very sensible to climatic shifts
- Geographic disruption
 - 70% of current wine regions is at risks becoming unsuitable by end of century*

*Source: [nature reviews earth & environment](#)



Our approach

➤ Adaptation strategy towards climate change



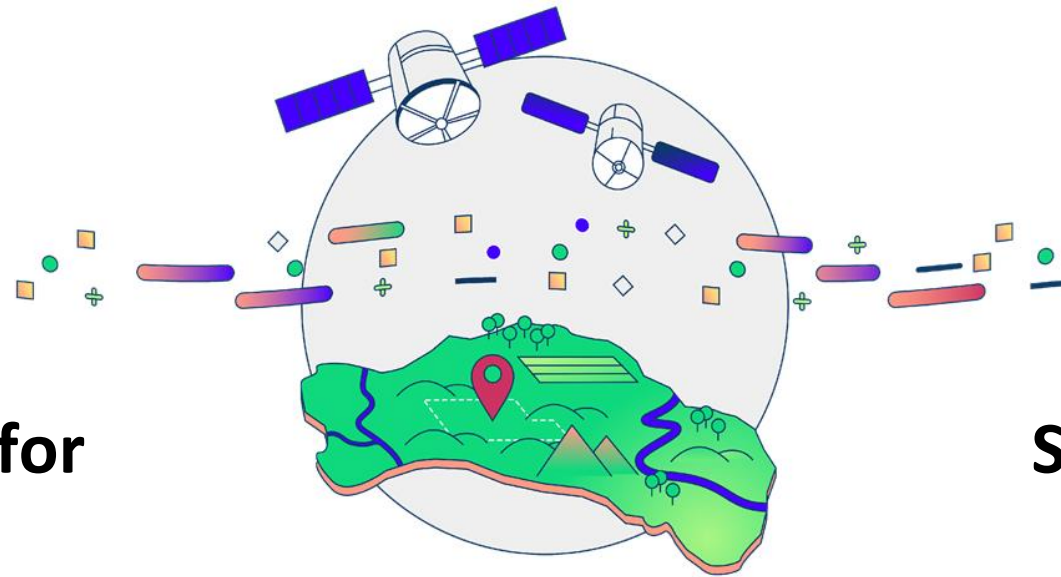
➤ Viticulture planning through data intensive approach

➤ Safeguard traditional wine regions & support flourishing hubs in non-traditional regions



Our solution

Detection of optimal unexploited/poorly performing planting sites & vineyard agronomic optimization using AI & EO¹ data

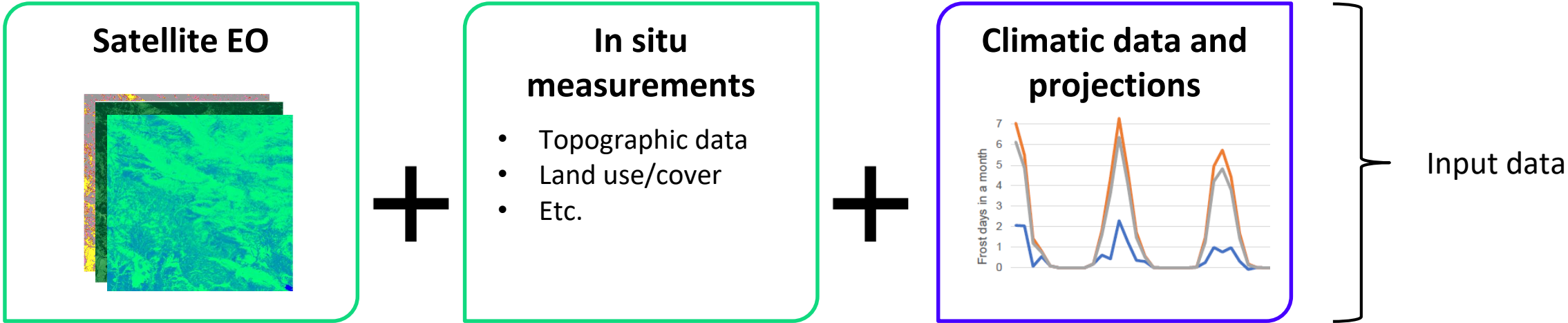


Lower risk/cost for investment

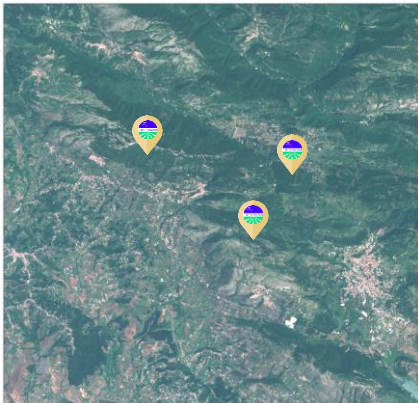
Sustainable field management

Better wine quality

Our solution



AI processed



-  Optimal planting site
- Matching terroir with vine variety

Output

Our customer segments






WINE PRODUCERS





WINE CONSORTIA



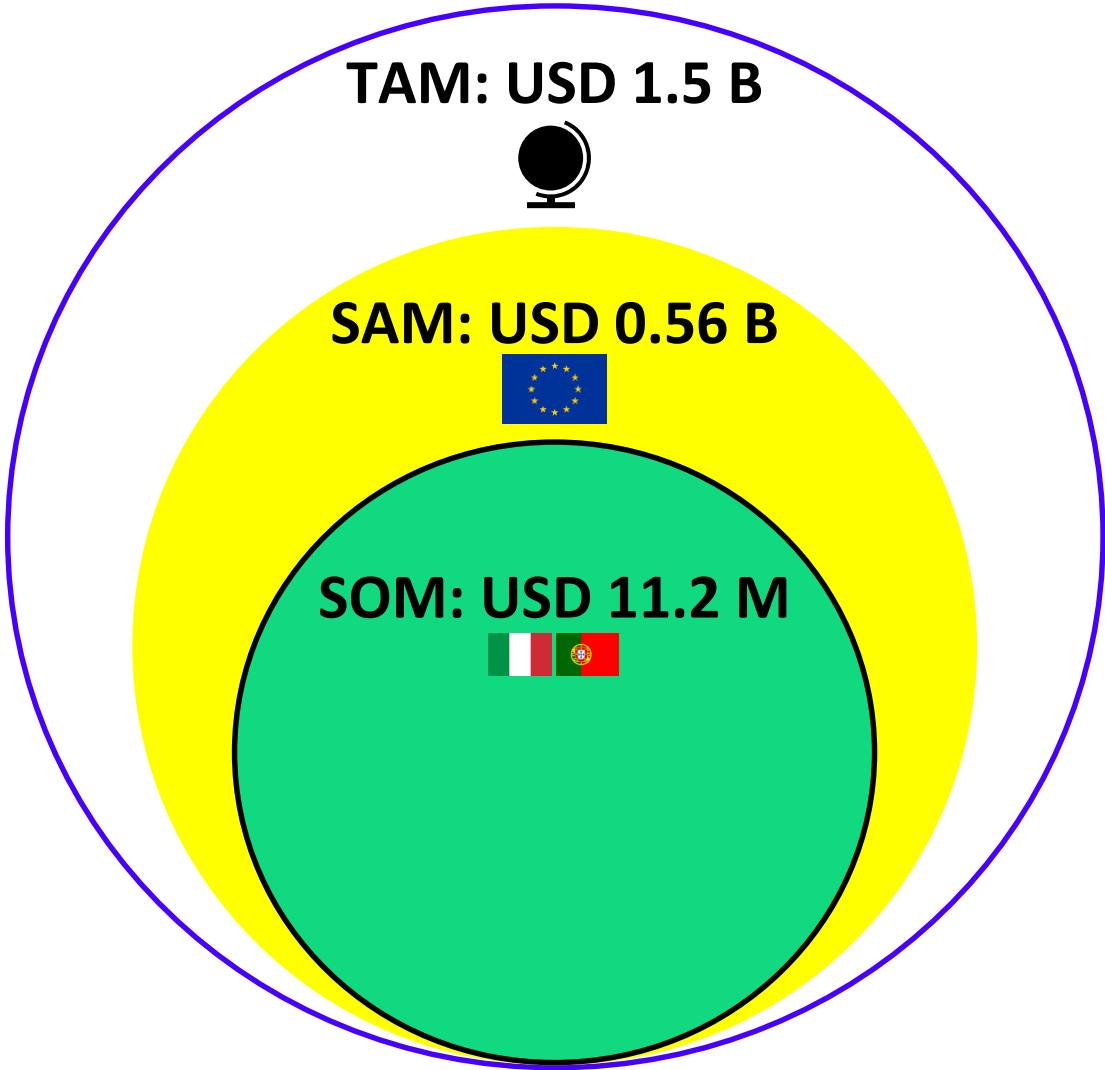
Our service

- Detected planting sites  
 - Resilient vine selection & vineyard design  
 - Vineyard monitoring  
 - Carbon farming monitoring  
- x 1 time/site
- x N times/site

  = interactive platform-based report

  = interactive platform-based monitoring over time

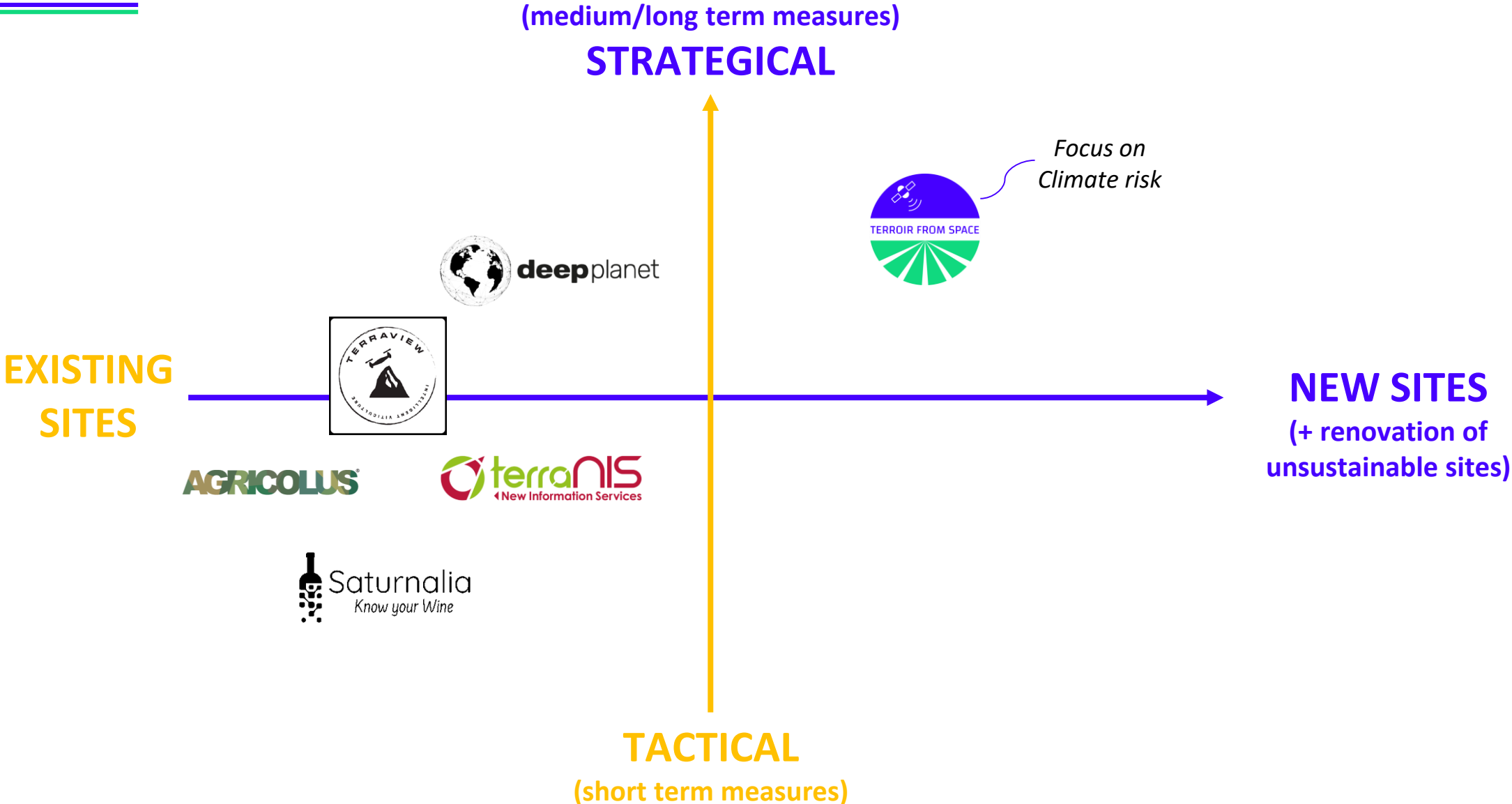
Market: Precision Viticulture



CAGR: 11% (period 2024-2033)



Competitors



Our Team

Founder | CEO

Alessandro Saetta

(MSc. Space Engineering)



Co-Founder | COO

Manuel Poêjo Torres

(PhD. Political Science; Strategic Business Development)



Recruiting technical member



International



Different backgrounds/skills



Wine Lovers



Support Entities & Partners

Winemaking
Strategic
Partners

(Portuguese)
Pilot company



(Italian)



(Italian)



(Italian)



(Portuguese)



Agri/Viticulture
Machine Industry
Partners

(Portuguese)



Membership of
Agri-Tech
International
Organisations



the porto protocol



AGRIFOOD
DIGITAL INNOVATION HUB



**Life
Hub
Monheim**

Multinational
Supporting
Entities

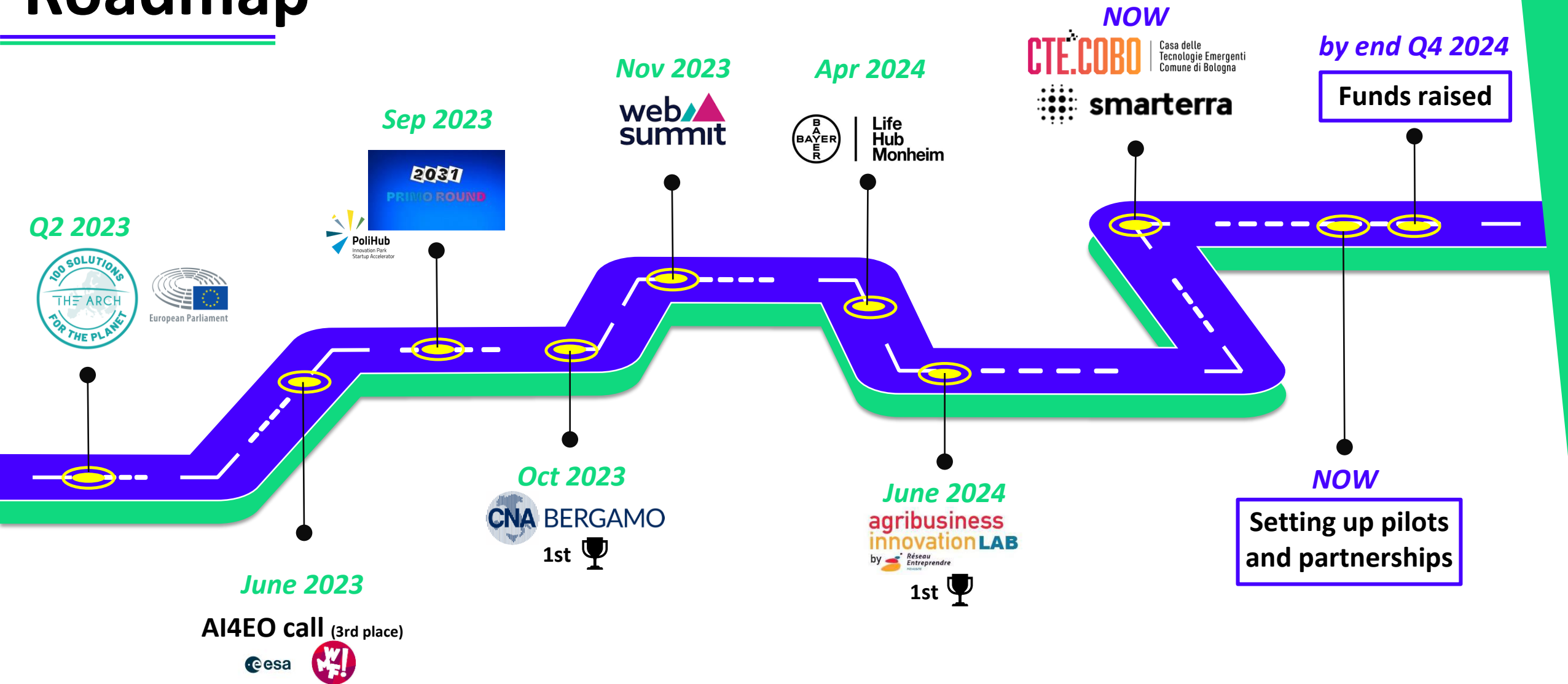


Funded by the
European Union



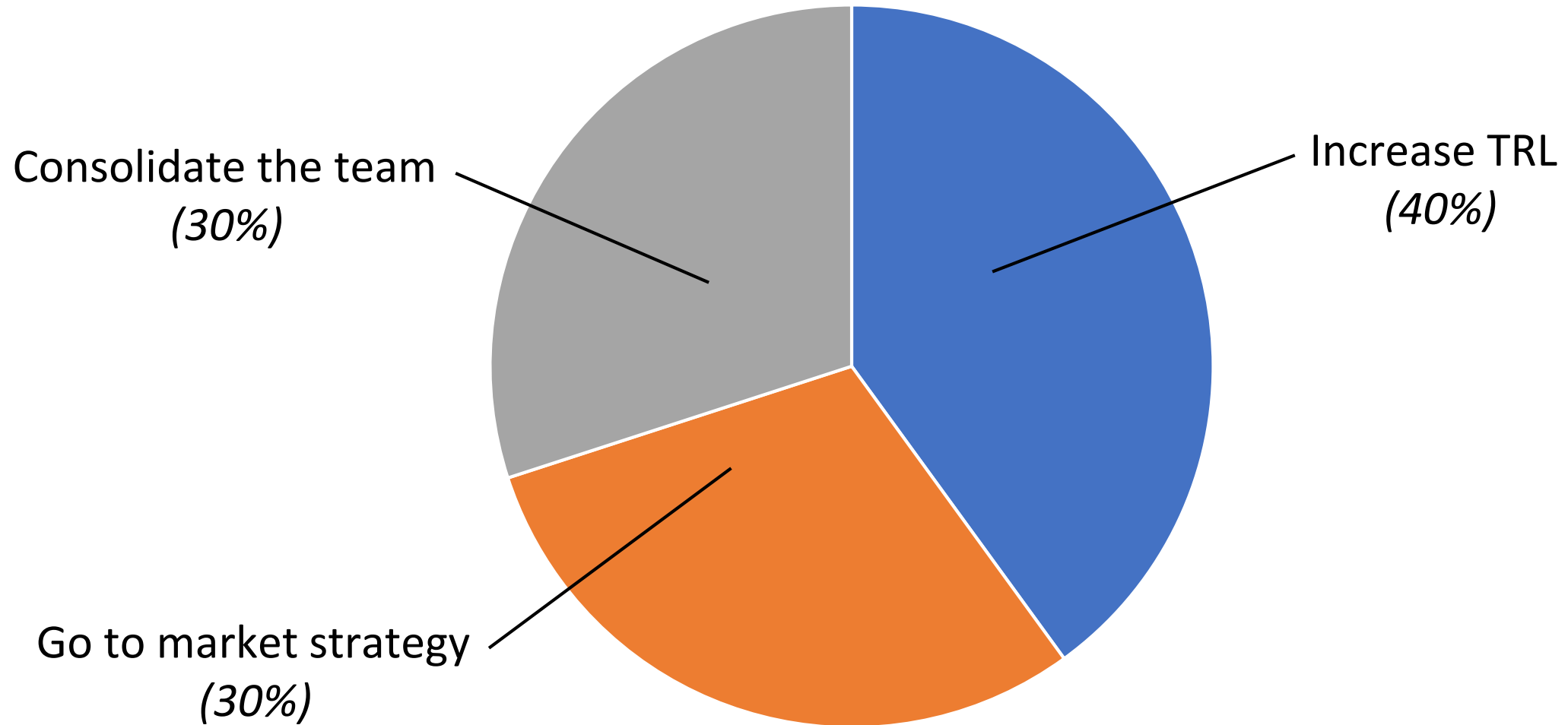
Confidential

Roadmap



Financials

Funds needed for 15 months: 300K €



Scaling strategy

Scaling on:

- **Geography:** serving both traditional and new wine growing regions
- **Crops:** extend the service to other high-valuable crops
- **Customer segments:** serve other segments such as insurance providers



TfS in the news

The Washington Post

WEDNESDAY, MAY 17, 2023 · THE WASHINGTON POST

EZ EE

E7

Source:

<https://www.washingtonpost.com/food/2023/05/11/satellites-help-wineries-climate-friendly-sites/>



To combat climate change, wineries move uphill or look down from space



Wine

DAVE
MCINTYRE

Winegrowers are adapting to climate change in many ways. Some consider abandoning traditional grape varieties long associated with their regions for vines that may be better suited to earlier and more variable growing seasons. Others look up — to more northerly latitudes or higher altitudes — in search of new vineyards.

Pio Boffa, a celebrated producer of barolo and barbaresco at Pio Cesare winery in Italy's Piedmonte, not only saw average temperatures rising but also a decline in the autumn rains and winter snows that nourished his vineyard soils with water. So in late 2018 he purchased land higher in the mountains of the Alta Langa with the idea of planting nebbiolo in an area where most vineyards grew chardonnay and pinot noir for sparkling wines.

Pio Boffa died in early 2021, and his daughter, Federica Boffa, planted the first parcel of nebbiolo vines at the new site later that spring. The idea, she told me in an email, was "to see if Barolo and Barbaresco might survive and thrive in high altitude vineyards that remain very close to the famous appellations." She will harvest the first grapes this year, and plans to vinify them using the same techniques her family has used for five generations. If the results are good, she will plant more vines next spring.

Boffa will label the new wine as Langhe Nebbiolo, because Italian regulations limit the boundaries for the pricier barolo and barbaresco wines. "For the moment," she adds. "Who knows for the future?"



PIO CESARE WINERY

Pio Cesare winery planted nebbiolo grapes in higher-altitude vineyards in the Alta Langa region of Piedmonte, an area known for pinot noir and chardonnay.

Manuel Poêjo Torres, friends with a shared love of wine and science. (Saetta studied aerospace engineering at the Politecnico di Milano.) With

group of wineries sharing information and advocating for actions to counter climate change.

"There's an amazing amount

Space prompted him to keep looking.

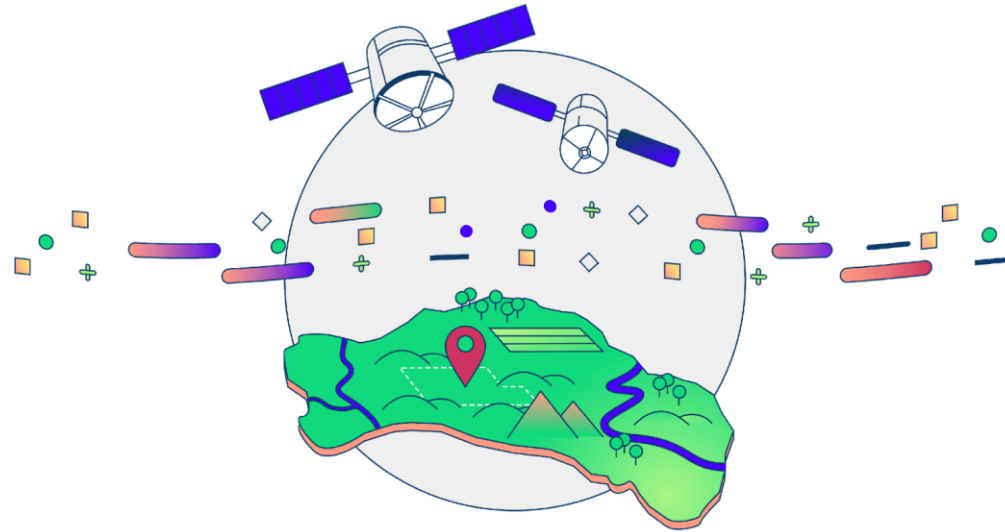
"Our model projected there would be less rain but more severe storms in the area, so the

email (facilitated by Google Translate). In a business that takes years to yield results, Silva said the information generated by Terroir from Space could help

amounts of cabernet sauvignon or merlot. Finding favorable sites will be crucial, especially since the winery farms organically and cannot rely on chemicals to fight



Confidential



Thank you!

For any question please write to:

info@terroirfromspace.com

terroirfromspace.com

