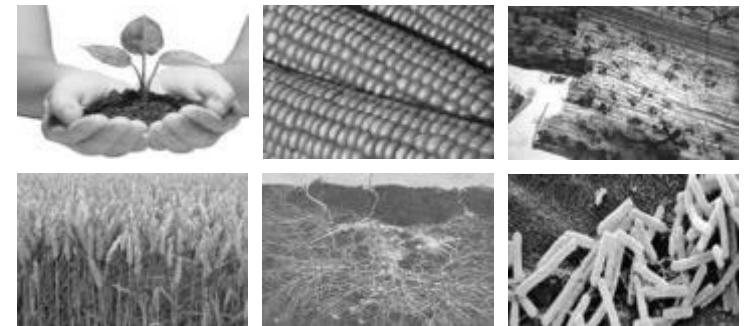




The story of Aphea.Bio: from frontier research to leading R&D company





Isabel Vercauteren, CEO

BIOEAST Webinar - November 15, 2021



Aphea.Bio: harnessing the power of the plant microbiome

Leading R&D company

-  Based in Belgium, HQ at Tech Lane Ghent, one of the largest biotech ecosystems in W-Europe
-  Spin-off from VIB – KULeuven – UGent; incorporated in July 2017
-  Strong R&D and management team of 35 FTEs
-  Backed by a strong VC consortium

Development of agricultural biologicals (microbials)

-  Superior products based on novel, natural microorganisms (bacteria, fungi, yeasts)
-  Bundled assets and know-how into high-throughput R&D platform for selection of winners

Ambition to become a leading player and the **'one-stop-shop'** for agricultural microbials

Future-proof solutions for **sustainable** agriculture in line with Farm-to-Fork strategy, a cornerstone of the European Green Deal

Aphea.Bio's core business is to develop biocontrol and biostimulant products for cereal crops

A big opportunity for farmers and investors

🌱 Cereals

- 🌱 Wheat (220Mi ha globally, ~30Mi ha in Europe)
- 🌱 Maize (170Mi ha globally, ~ 20Mi ha in Europe)

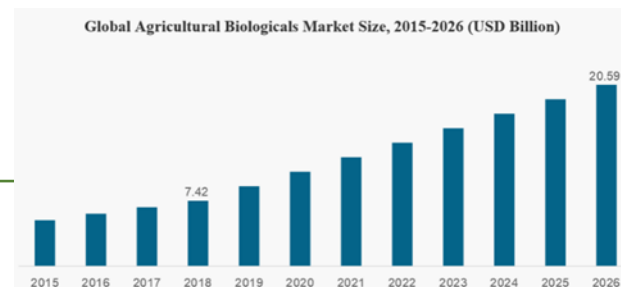
🌱 Biocontrol products – spray-on to complement or replace chemistry

- 🌱 Biofungicides: *Septoria* (leaf blotch), *Fusarium* (head blight) and *Puccinia* (yellow rust) control
- 🌱 Bioinsecticides: *Spodoptera* (caterpillar) and *Myzus* (aphid) control
- 🌱 Bioherbicides: *Monocot* and *dicot* weed control

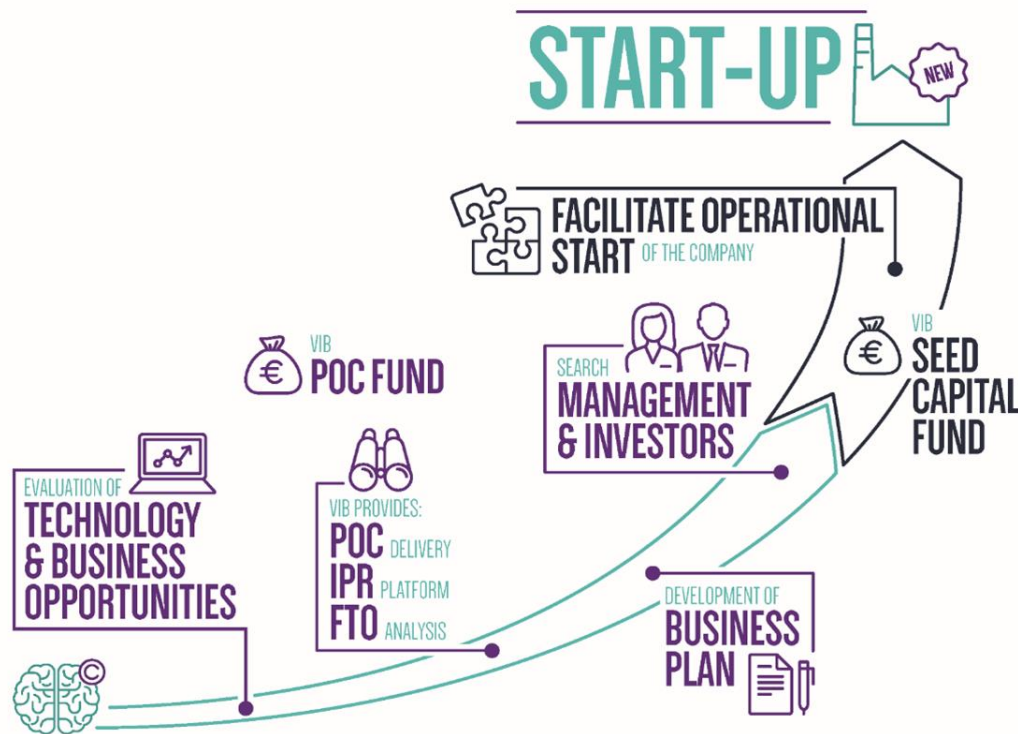
🌱 Biostimulant products – seed coating to reduce use of synthetic fertilizers

- 🌱 Yield increase by improved nutrient use (N & P)

🌱 Global AgBiologicals market today is around \$8Bi, expected to grow to \$20Bi by end 2026 (CAGR 13,6%)



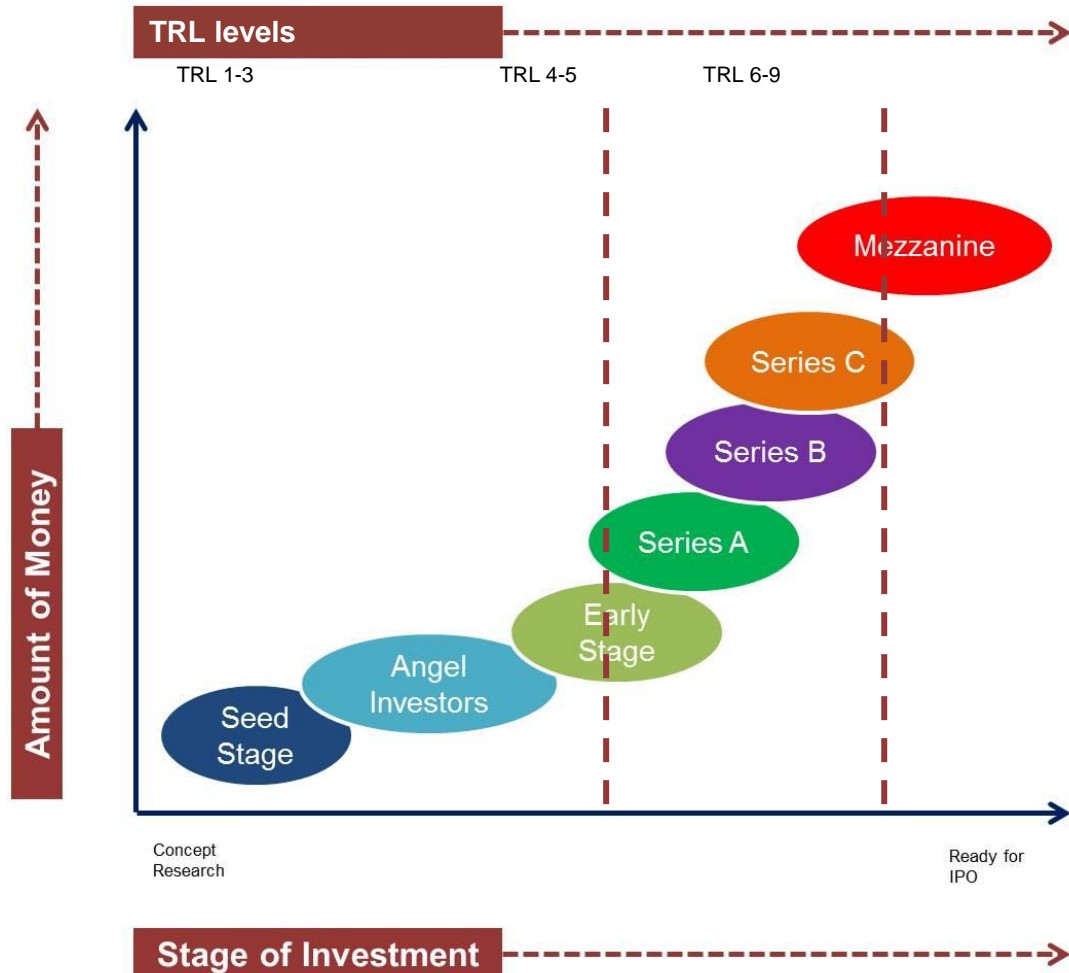
From frontier research to start-up company: grant funding and seed capital



- Breakthrough and frontline research
- A creative and entrepreneurial approach
- Identification of technology and product opportunities securing POC, IP and FTO
- Conceptualizing business case
- Attracting management team and seed capital (e.g. grant funding, seed and angel investments, crowdfunding)

→ Turn transformational technologies into an impactful, well-managed high-value company

From start-up to leading R&D company: venture capital and private equity investments



- Venture capital and PE ecosystem
- Further growing innovation: Series A
- Scaling the company: Series B
- Towards commercialization: Series C
- Formation of strong investment consortia

→ Internationalization of Apeha.Bio and preparation for market launch

Thank you



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