

Challenge the status quo

Dutch Life Sciences Conference 2022

Annemiek Verkamman



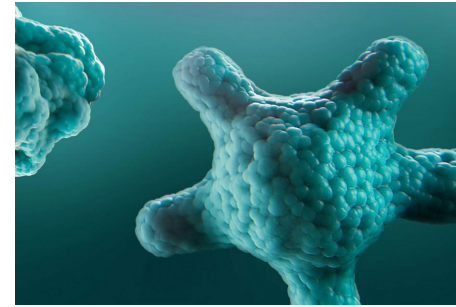
About HollandBIO

Our goal:

To unlock the full potential of biotech innovations to optimize health, sustainability and economic growth.

Our members:

- More than 270 member companies.
- About 85% startups and SMEs, in addition to large companies and multinationals.
- Frontrunners in diagnostics, medicines & vaccines, seed breeding, cultivated meat, alternative proteins and raw materials from micro-organisms.



Improve the total ecosystem

Focus on the frontrunners

Work together





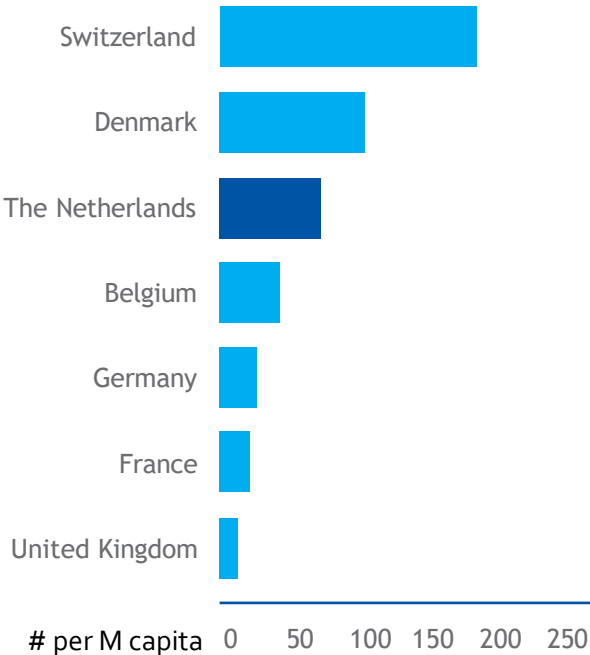
“Praat mee-bijeenkomst” HollandBIO members – 10 maart 2020



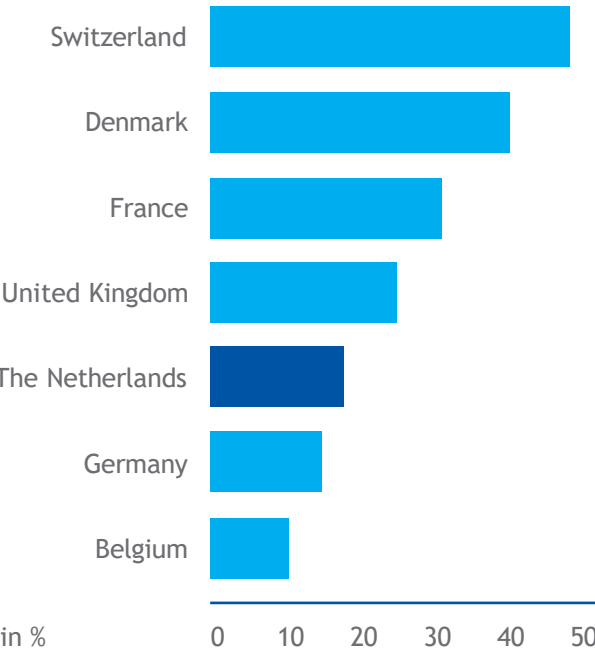
**Wat zou jij
doen met
€100 miljoen?**

Lagging company formation and conversion of patents

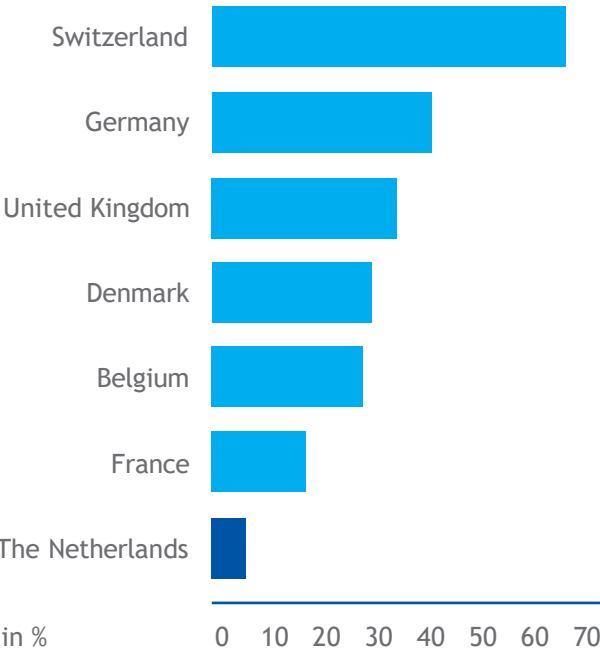
LIFE SCIENCES PATENT APPLICATIONS



GROWTH IN THE NUMBER OF LIFE SCIENCES R&D COMPANIES

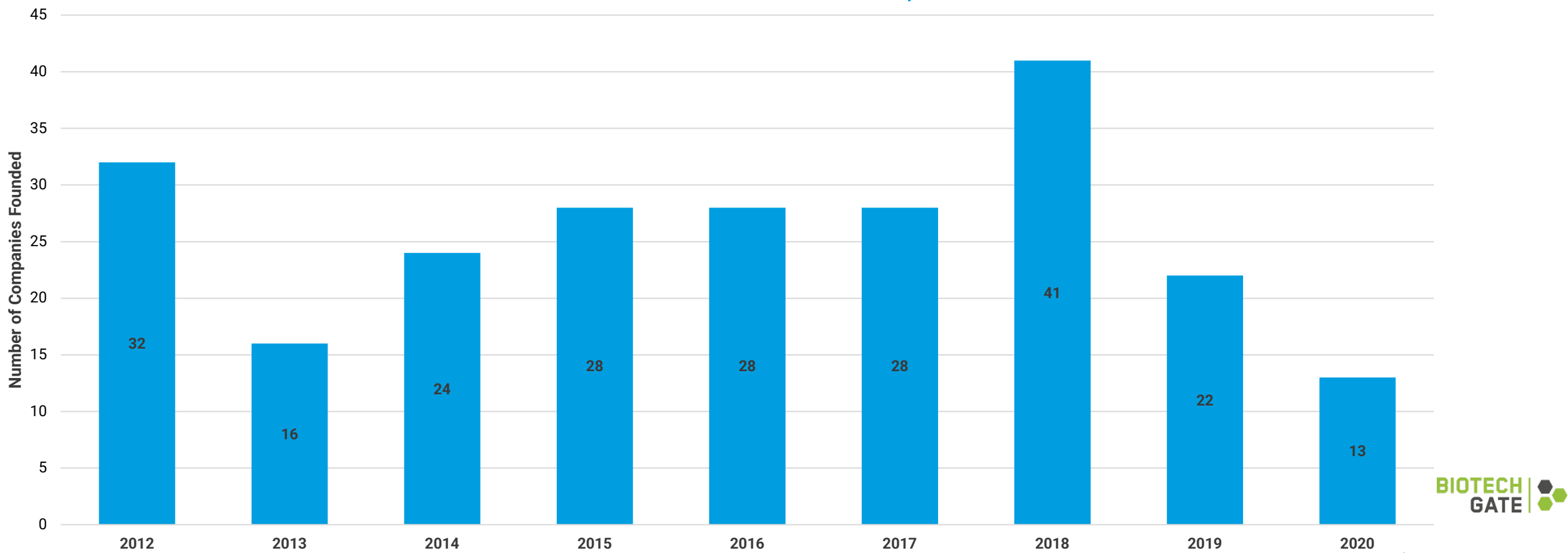


GROWTH IN THE NUMBER OF LIFE SCIENCES R&D PRODUCTS IN DEVELOPMENT



Company foundation timeline

NUMBER OF LIFE SCIENCE COMPANIES FOUNDED BY YEAR | 2012-2021



The graph contains the number of privately owned or publicly listed (no subsidiaries) life science companies founded by year including Biotech - Therapeutic and Diagnostic, Biotech - R&D Services, Biotech – Others, Pharma, Medical Technology and Digital Health companies. **Companies founded in 2021 were excluded** since newly founded companies often remain under the radar until their first financing round. Information displayed in the chart may alter as new information is received continuously.

Tackling the challenge with a booster for biotech



Universiteiten
van Nederland }



GROEIFONDSAANVRAAG BIOTECH BOOSTER TOEGEKENDE!

250 million

Holland
BIO

"An important moment,
14 April 2022, the
approval of the Biotech
Booster program that was
endorsed and submitted
by the Ministry of
Education, Culture and
Sciences."



Why?



Three drivers of a new wave of innovations



Global
challenges



Advances in
bioscience and
computing & AI



Entrepreneurs
determined to
make a
difference

New innovations transform how we heal, fuel and feed the world

New ways to treat disease by modifying genes



45%

of the world's disease burden could be addressed

Manufacture fuels, chemicals and fabrics using fermentation



60%

of physical inputs could be made by biological means

Meats produced without animals



7-9%

of annual man-made GHG could be reduced by 2050

Source: The Bio Revolution McKinsey Global Institute

BIO REVOLUTION

A Bio Revolution is occurring that has potential to transform our economies and societies

60%

of physical inputs could be made using biological means

45%

of the world's disease burden could be addressed

30%

of private-sector R&D could be impacted by biology

7-9%

of annual man-made GHG could be reduced by 2050



Source: McKinsey Global Institute

This Revolution could drive \$2-4T of direct economic impact across domains in the next 10-20 years...

EXAMPLES OF APPLICATIONS



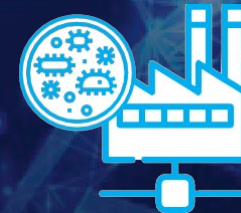
Health

Monogenic diseases prevented at birth



Agriculture

Meats produced without animals



Materials & energy

Synthetic silks produced by microbe factories

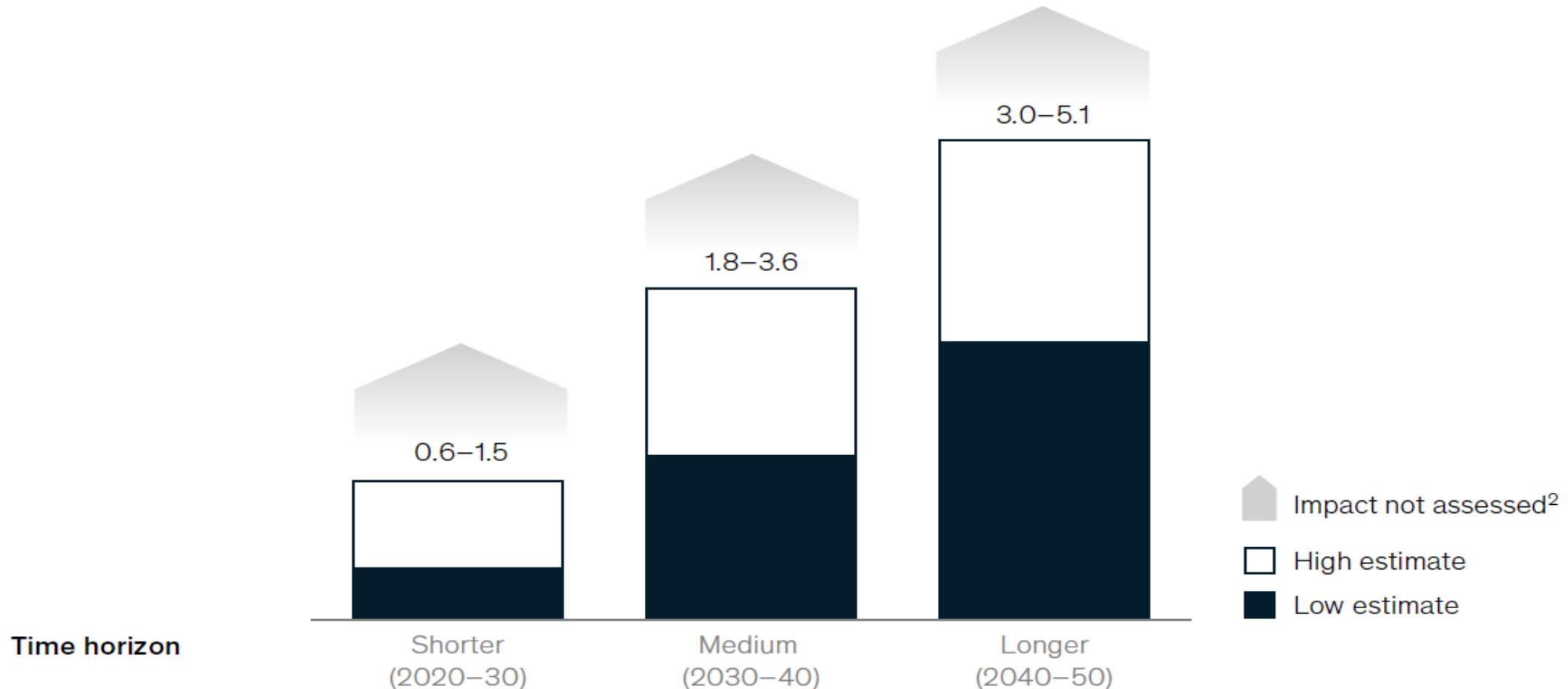


Consumer

Personalized diets based on your genome

Biotechnology and economic growth

Partial estimate of potential and direct annual impact by time horizon¹
\$ trillion





HOW?



Biotech Booster aims to improve biotech knowledge transfer

From knowledge institutes to society



BIOTECH BOOSTER BUILDS A FERTILE BIOTECH ECOSYSTEM

Bringing the most experienced minds in research and entrepreneurship together to develop promising ideas.

Giving entrepreneurial talent a chance to grow and develop.

Improving mutual awareness and understanding between companies and knowledge institutes.

Creating a predictable and stable project pathway focused on development.

Preparing team and tech for accelerated growth.



BIOTECH BOOSTER DIFFERENTIATORS

- **Unearmarked funding:**
 - €250 million in funding for projects
 - Funding up to €2 million/project over 4 years
- **Development focus:**
 - Bringing research, commercial and development expertise together from the start
 - Leveraging experience from seasoned entrepreneurs from the start
- **Scale:**
 - National approach on broad biotech themes
 - Strong network of companies, researchers, investors and experts

BIOTECH BOOSTER OFFER

- BB offers significant and flexible funding to develop the idea and the people that need to develop it.
 - This avoids limitations often placed on existing funding (incl. grants) and provides time to validate people and ideas before spinning off.
- BB brings in entrepreneurs and experts early on.
 - This avoids a development focus driven by research goals and the risk that key issues relevant for later development are perceived too late.
- BB offers a pre-agreed framework for projects.
 - This avoids costly and time-consuming legal steps such as incorporation and share distribution, or licenses, when the idea is not sufficiently developed yet.

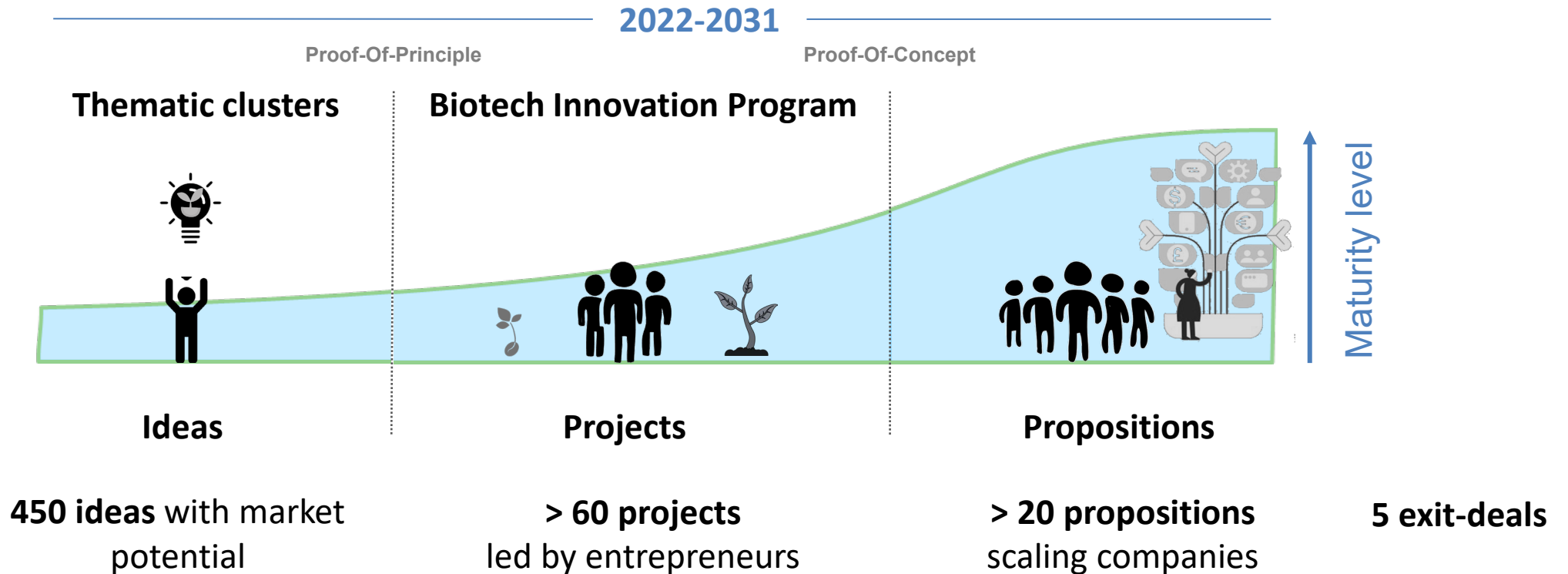




WHAT?



BIOTECH BOOSTER'S PHASES AND OUTPUT



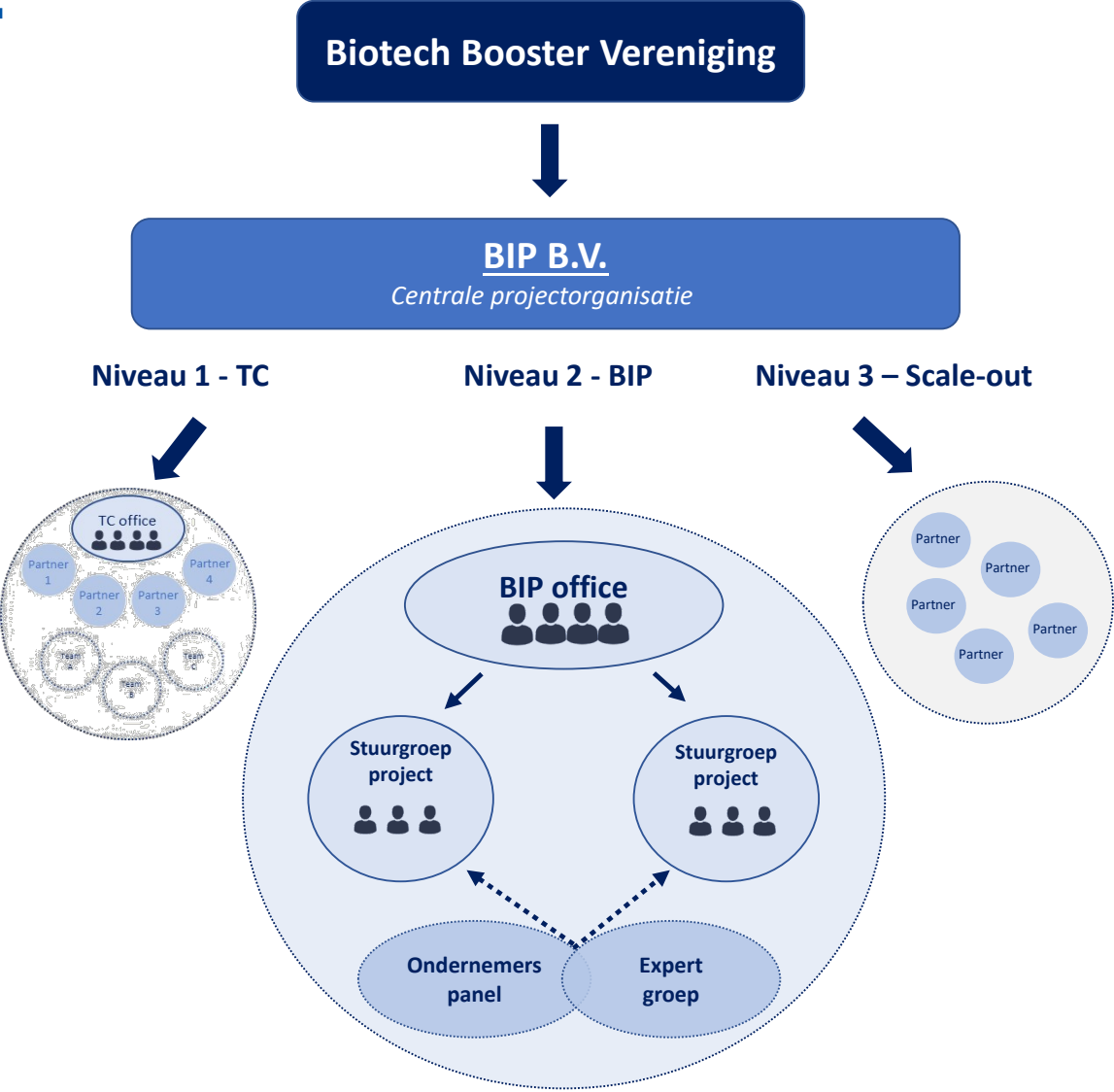
INTENDED STARTING THEMATIC CLUSTERS

National teams providing local support to projects from public and private partners.

- Industrial/Production
- Agri/Food
- Medical/Therapeutical
- Diagnostics/Services
- Platform/Discovery & Development



GOVERNANCE





**Biotech Booster:
realising success
together**