

An aerial photograph of a winding asphalt road that snakes through a dense, lush green forest. The road has several sharp turns and a small bridge crossing a stream. The surrounding vegetation is thick and vibrant green.

Financing Novel and Commercially Viable Bioeconomy Innovation with Venture Capital



SEF Ventures

Financing tech leaders of tomorrow

Bioeconomy Conference '25
2025, June 20

SEF FOUNDING PARTNERS



Bruno Rudnik
Managing Partner
Venture Building and
Cleantech Ecosystem



Lydia Simon
Managing Partner
Tech and Sustainability
Management



Oliver Borrmann
Partner
Venture Capital and
Entrepreneurship



Albrecht Läufer
Partner
Biotech Industry and
Entrepreneurship

SEF VENTURE PARTNERS



Stefanie Heiden
LUH, ITE



Joachim Schulze
bioconsulting



Moritz Borgmann
Arborea Energy



We invest in outstanding sustainable
technology startups in Europe

We combine VC excellence
with deep industry experience
for commercial and technical scaling

INVESTMENT FOCUS

Disruptive B2B technology innovations in and across four key sectors



Bioeconomy

Alternative
Materials

Food
& Feed

Agro
& Ocean



Circular Economy

Material
Solutions

Waste Management
& Recycling

Water
& Wastewater



Green Energy

Renewable Energy
Generation

Energy Storage
& Distribution

Energy
Efficiency



Enabling Technologies

Process
Technologies

Sensor
& Analytics Tech

Software
& AI

Financing With Venture Capital



Start: VC funds need a high number of high potential startups to have probability of financial success and be attractive for our investors (LP's)

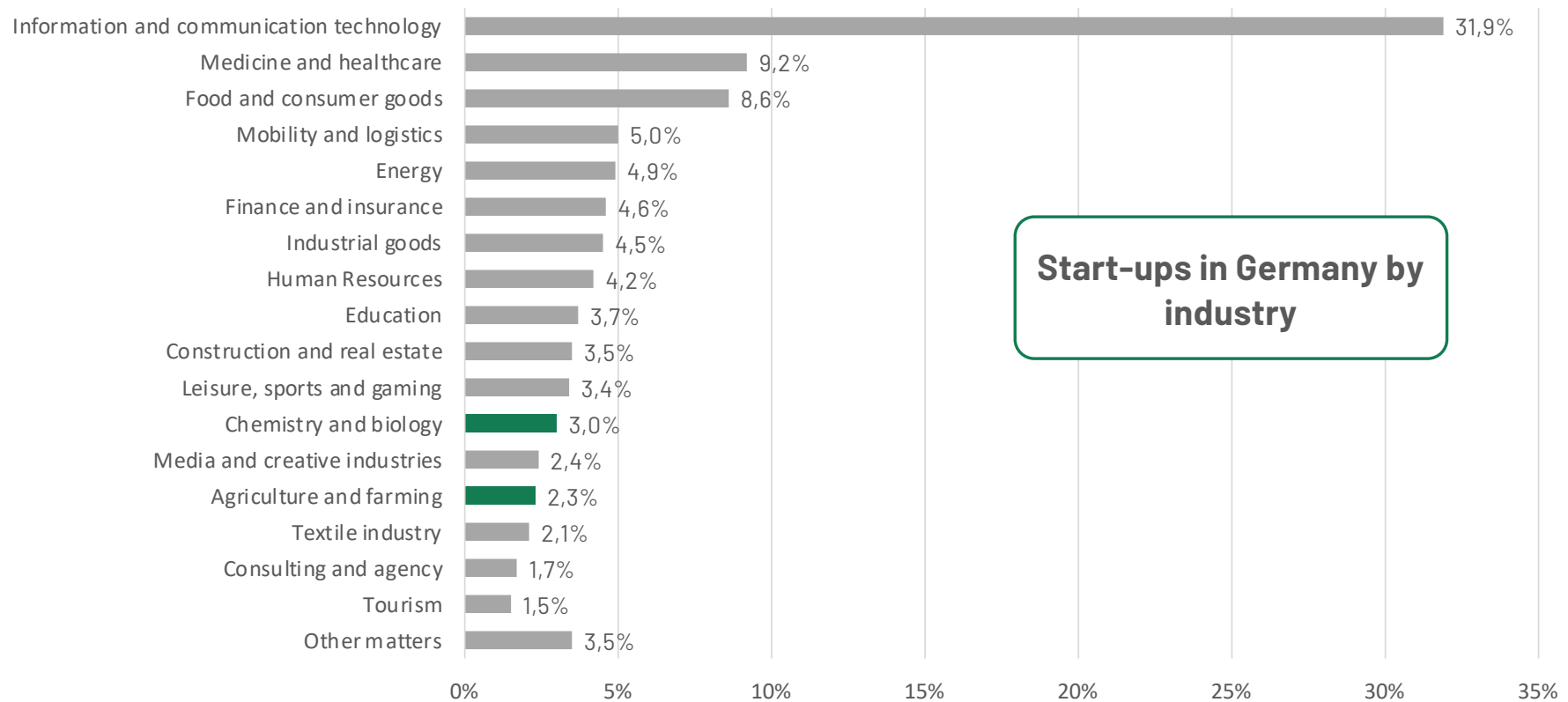


During: Technologies must be scalable within 4 – 6 years, within this time the value of the companies must promise significant value increase; good milestone planning required.



End: the market for the novel technologies must have a huge appetite and huge growth potential

Number of Startups



n = 1.825

Source: Deutscher Startup Monitor 2023

.... Novel = Disruptive, Breakthrough



Comprehensive Competitive Analysis

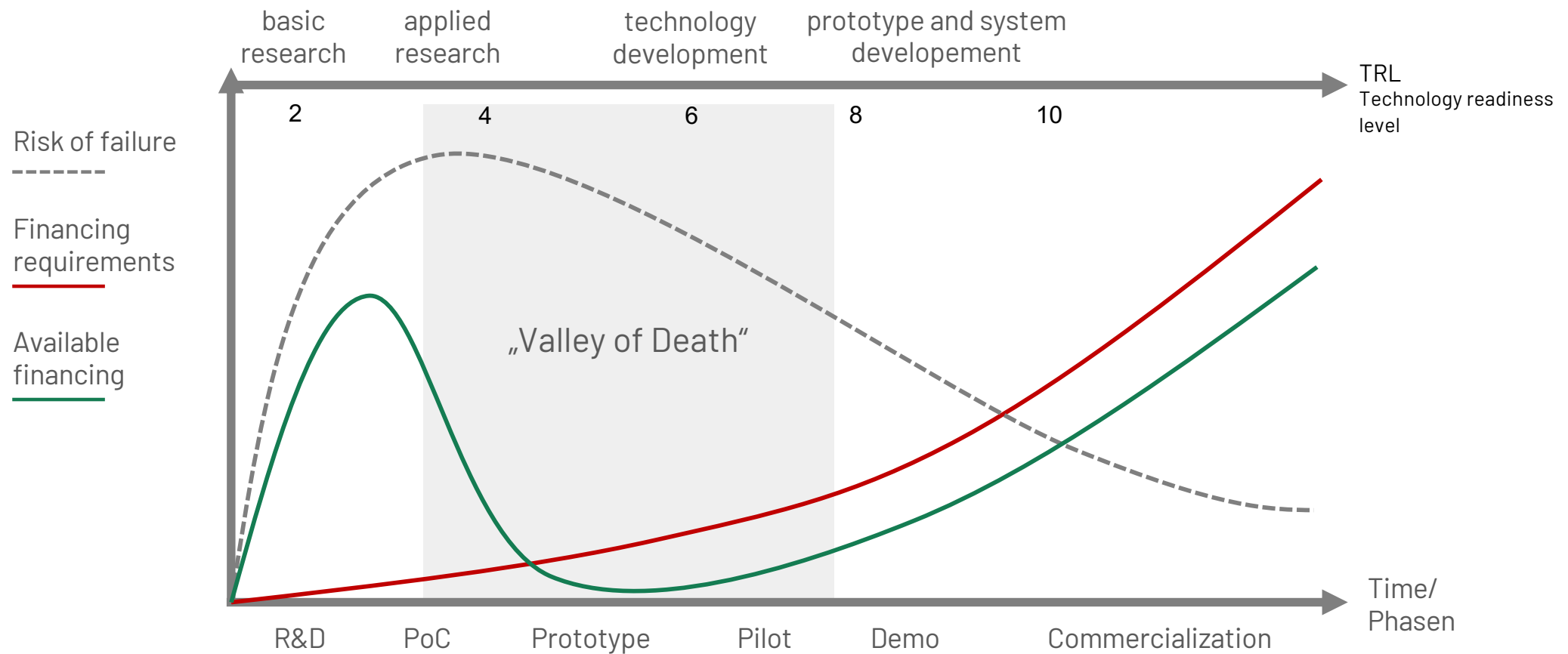


IP: Essential elements well protected in relevant potential markets



scalable

Scalability, Plan well the critical Path



.... Commercially Viable ...



Solid cost estimates. Realistic LCA, carbon footprint estimates.

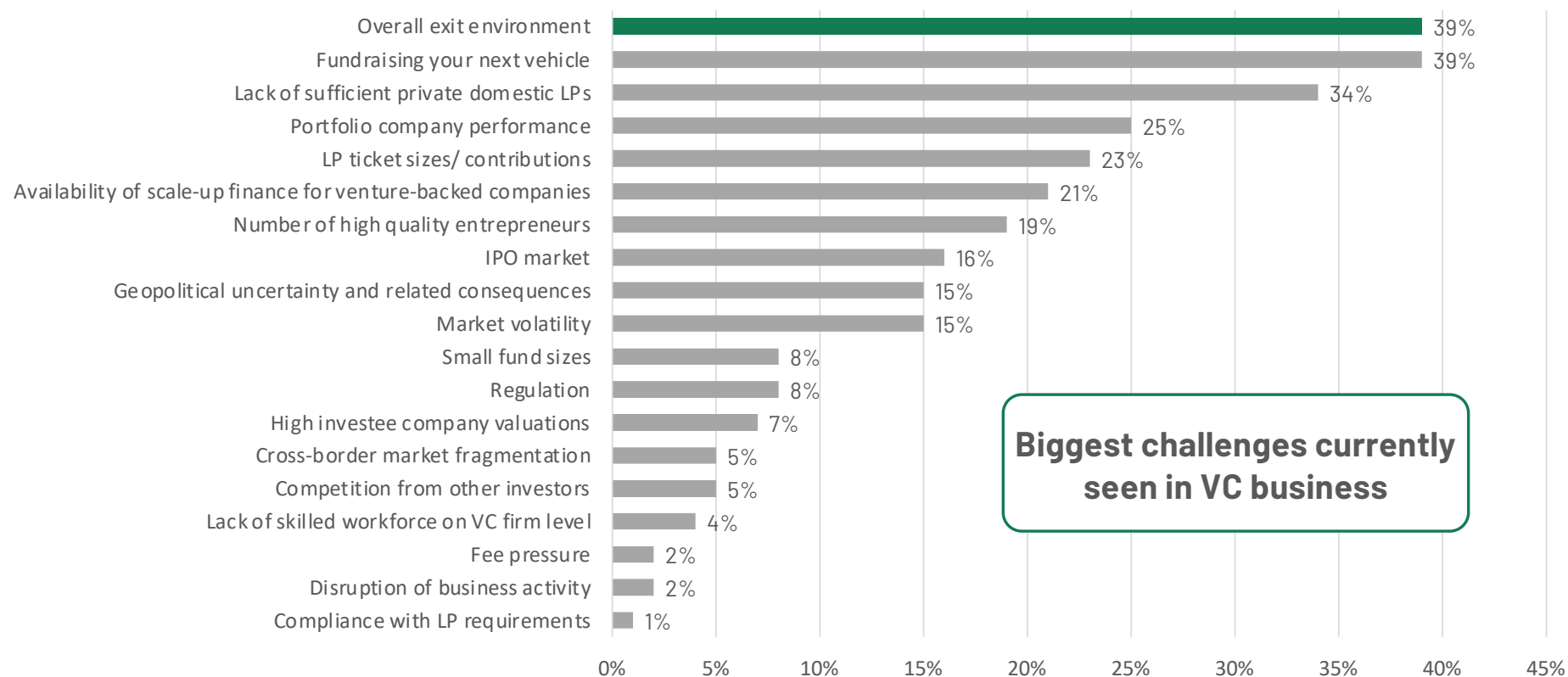


Clear idea of market potential, of path to market, and of the complete value chain



Exit Potential. IPO's rare in industrial bioeconomy. Trade Sale, unfortunately quite rare as well. In contrast to Pharma the chemical and related industries buy later, ideally after initial sales of product.

Exit Potential



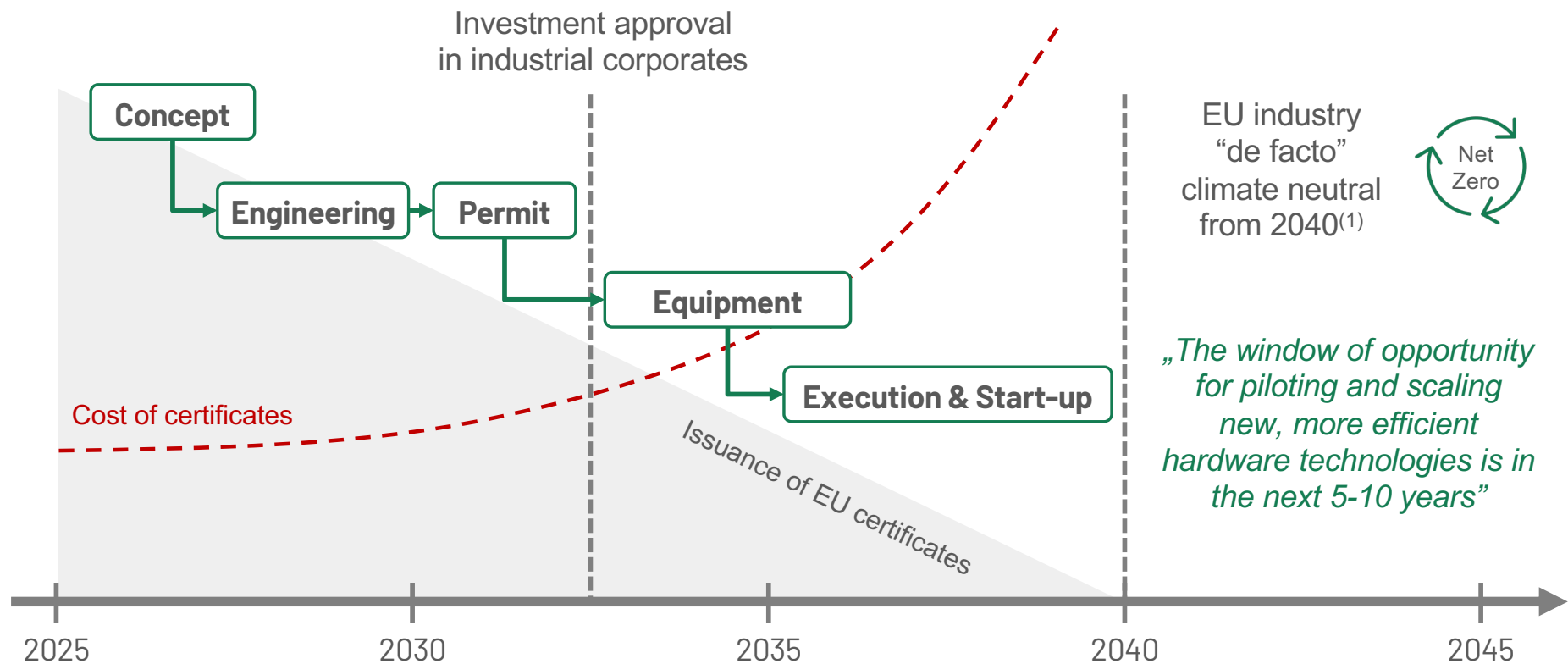
n = 472 respondents (VC funds)

Quelle: EIF VC Survey 2023

OPPORTUNITY



Time horizon for transformational industry projects



Source: Adapted from Stiftung Arbeit und Umwelt der IGBCE (2024)

(1) The EU Commission recommends a net reduction of 90% in GHG emissions by 2040 compared to 1990 levels

VENTURE THE BIOECONOMY



What does “the industry” need to achieve?



More **start-ups** and **founding of new companies** ...
... to turn new ideas into innovations



More **partnerships with industrial companies along the value chain** ...
... for new and better options for scaling and financing



More **ambition, courage, visibility, lobbying** ...
... to bring the bioeconomy into the mainstream



JOIN US ON OUR MISSION!



Sustainable Economy Fund I

Financing tech leaders of tomorrow

SEF Ventures Management GmbH

Schlüterstr. 38, 10629 Berlin (Registered office)

Goethestr. 43, 80336 München

www.sef.ventures

Bruno Rudnik

Managing Partner

bruno@sef.ventures

Dr. Lydia Simon

Managing Partner

lydia@sef.ventures