

TUM Venture Labs

General introduction with focus on Venture Lab Sustainability and Circular

LPPDE Virtual Summit 02.02.2023

Munich 2023

A joint initiative by

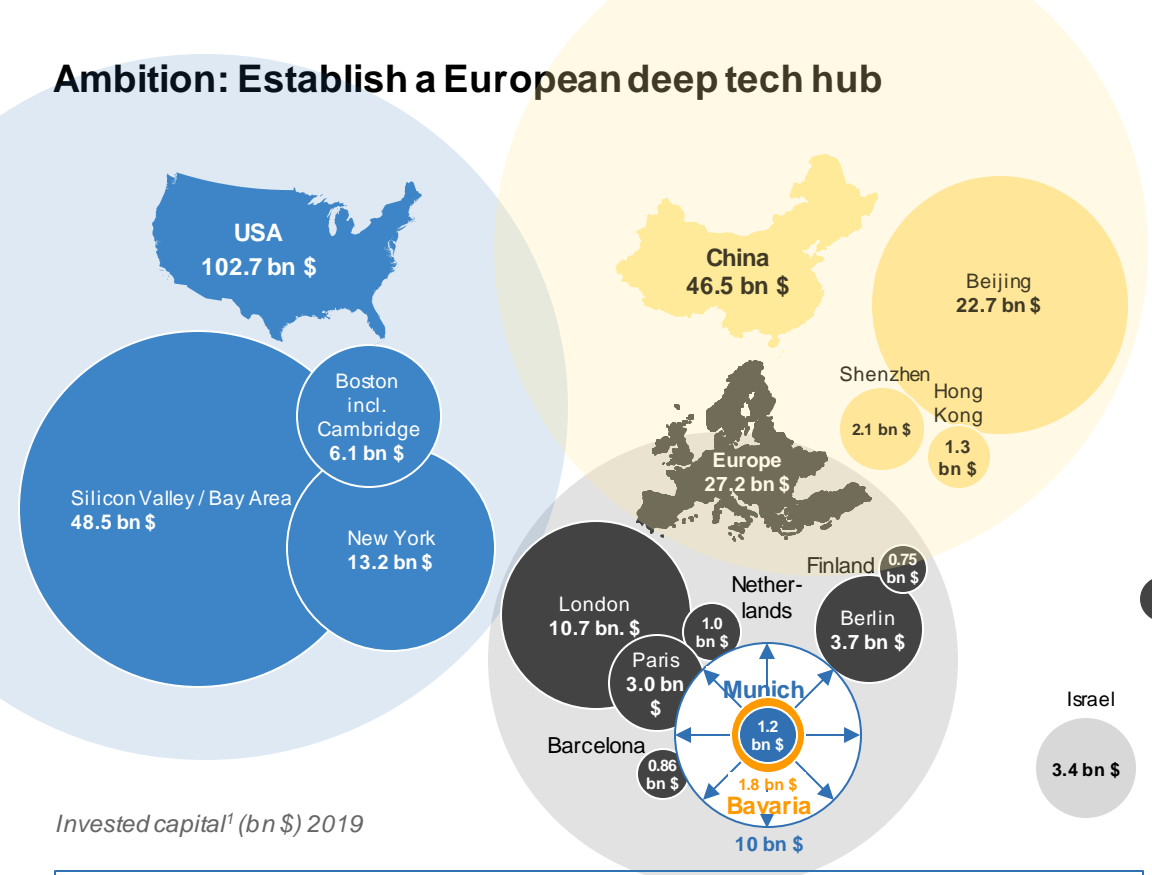


TUM Venture Labs are the new initiative of **TUM** and **UnternehmerTUM** with partner institutions and companies.

Leveraging the **unique research power**, the goal is to increase the quality and quantity of **scalable technology spin-offs** and ventures in the region **by a factor of ten**.

The resulting leading technology hub in Europe aims to become **a driving force** for the **future technological sovereignty of the continent**.

Ambition: Establish a European deep tech hub



Invested capital¹ (bn \$) 2019

Key problem for Germany/EU identified: Venturing is the bottleneck when leveraging outstanding research for economic growth

Source: Crunchbase/EY, BCG Analysis

1. Invested capital includes seed, series and angel investment, no IPO or post-IPO Funding

Illustrative

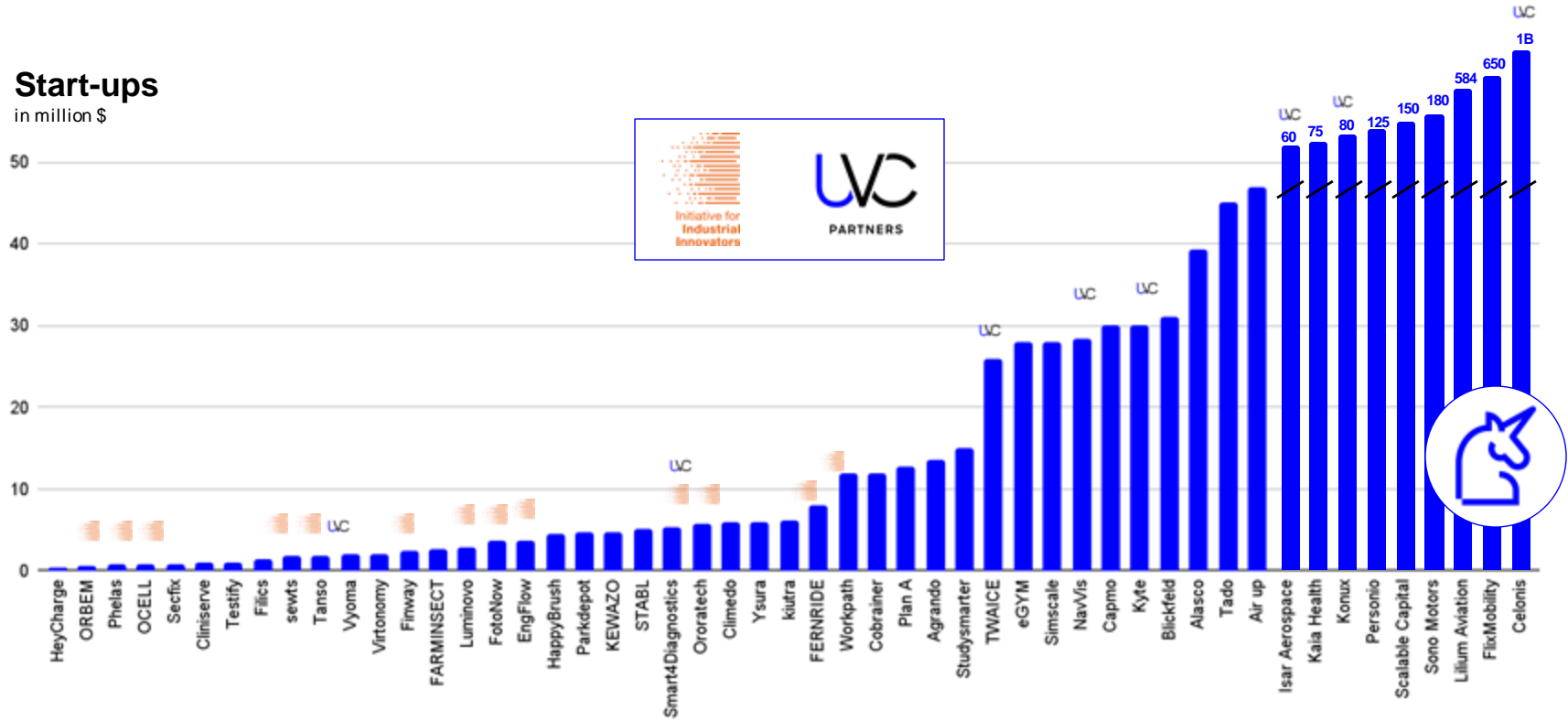
Reaching full potential to make Munich the entrepreneurial tech center in Europe and a critical hub for European technological sovereignty.

	2020	2030
Invested capital/year	1 bn \$	10 bn \$
New employment/year	1,000	10,000
Scalable spin-offs/year	75	250
Priority patent applications	50	500
Corporate partners	100	500
VL talent/year	5,000	25,000

UnternehmerTUM and TUM Start-ups raised over \$ 3 Billion in 2021

Start-ups

in million \$



Bottleneck in European innovation



Innovative high-tech ventures as economic engine



Entrepreneurship to transform into economic growth

- Accelerating **economic value creation**
- Creation of innovative **business champions**
- Bavaria as the **leading tech center** in Europe



Social and economic subjects of the future

- **Artificial intelligence, robotics and software**
- **'SuperTech' Aerospace, Quantum, CleanTech**
- **Health, BioTech and Climate Protection**



Winning Team of the German ecosystem as guarantee for success

- **TUM** as a **leading entrepreneurial university**
- **UnternehmerTUM** as Europe's **leading entrepreneurship center**
- **Munich hub** with close integration of the **top Bavarian institutes** and **digital start-up centers**

The TUM Venture Labs foster entrepreneurship in the major technology-driven opportunity fields of our times

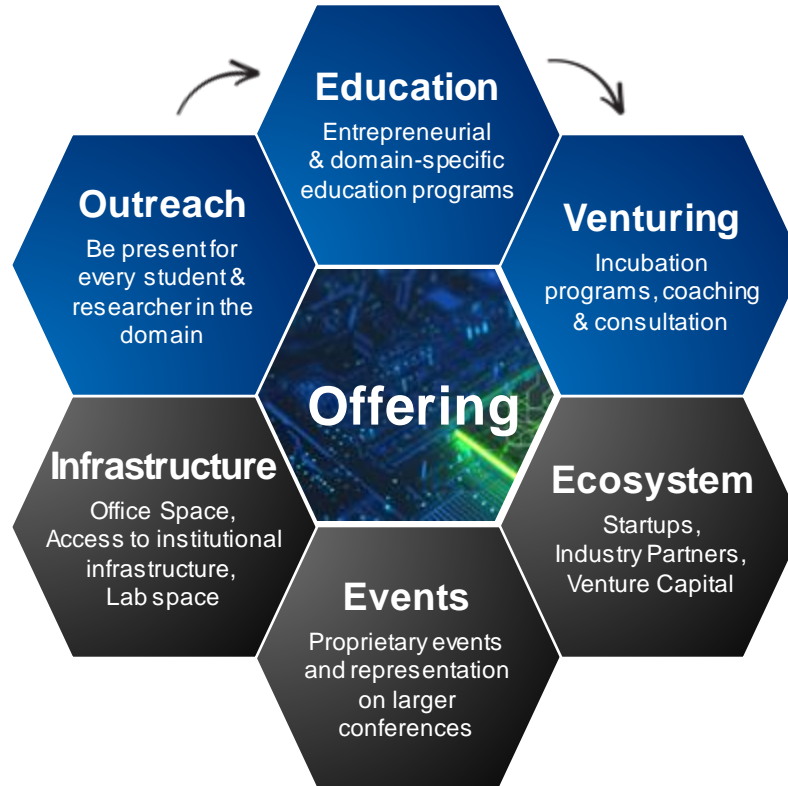


*To be ramped up

We enable entrepreneurship in deep-tech and life sciences,
from mobilization to funded, scalable businesses

Mission

- Driving the **entrepreneurial mindset** and
- Creating a **tailored and optimized support** structure for founders
- From **early idea to incorporation**
- Within the individual **domains**



Our Mission

We strive to unlock the entrepreneurial potential of the **NextGen for impact**: We boost the **translation of leading edge CleanTech research into innovative, scalable businesses with global reach**.

Our Goals

I. Boost scalable and innovative CleanTech startup teams



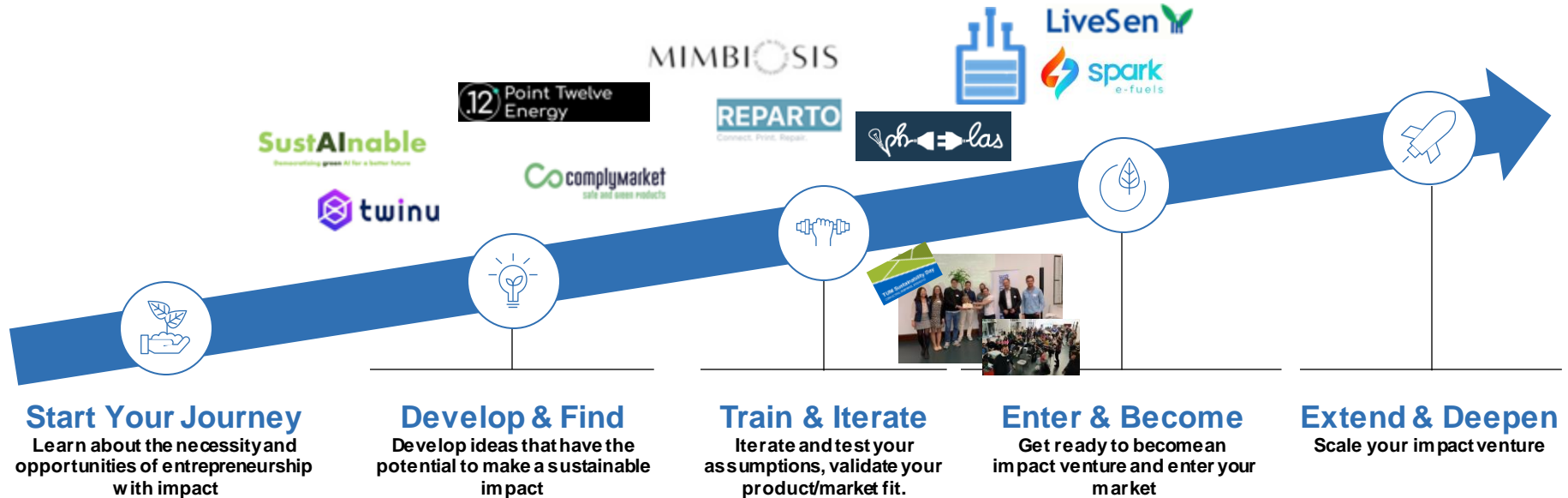
II. Enable all TUM VL startup teams to incorporate sustainability & circular



III. Facilitate global impact by leveraging a global network of sustainable leaders



We offer support to Cleantech teams across all stages of their impact journey



Start Your Journey
Learn about the necessity and opportunities of entrepreneurship with impact

Develop & Find
Develop ideas that have the potential to make a sustainable impact

Train & Iterate
Iterate and test your assumptions, validate your product/market fit.

Enter & Become
Get ready to become an impact venture and enter your market

Extend & Deepen
Scale your impact venture

The TUM Venture Lab Sustainability & Circular boosts GreenTech venture teams across all stages of their journey through its activities and offering

Our current activities

COP27 Hackathon

Gatherings with student group

1:1 sessions

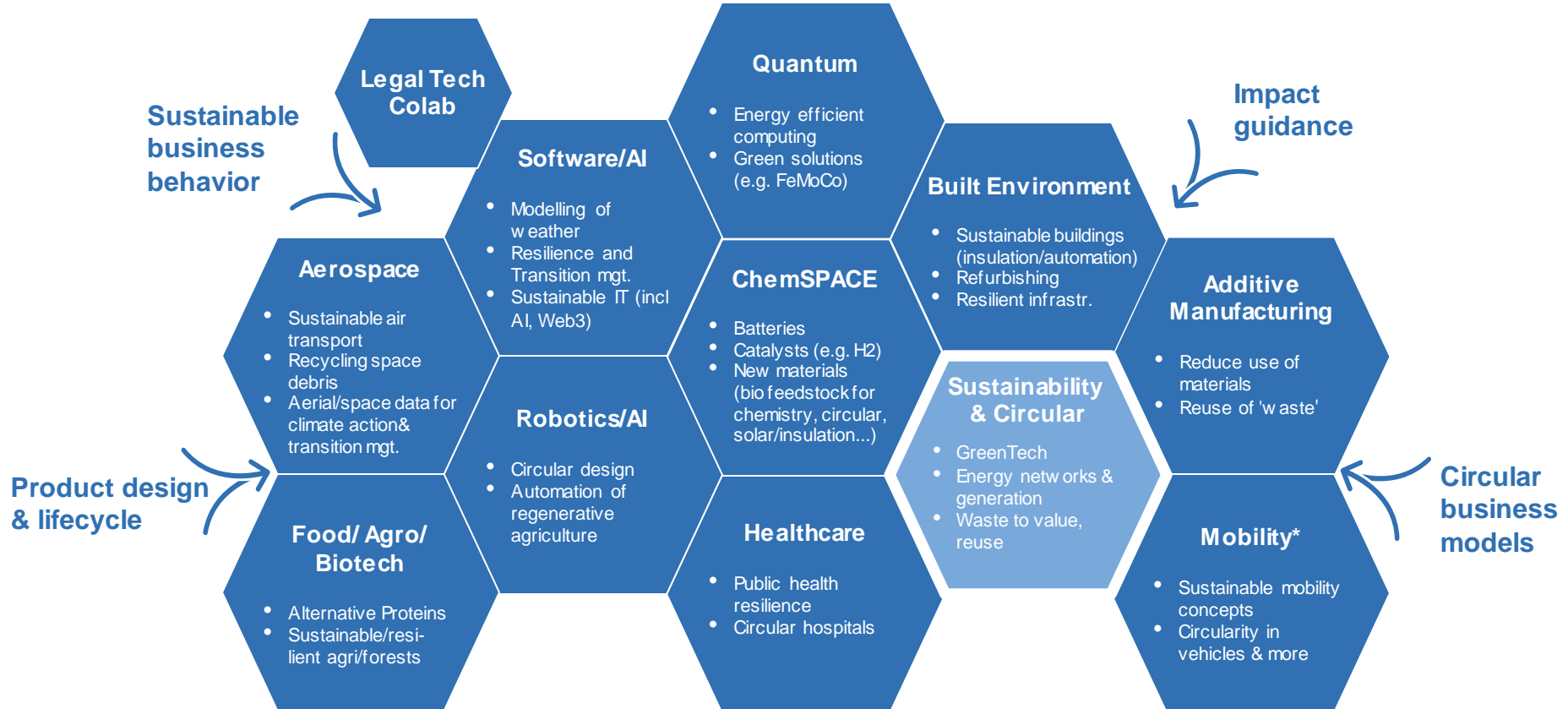
Nomination of teams for Breakthrough Energy

GreenTech Venture Award 2022

Co-working space in Straubing

Connections to experts & VCs

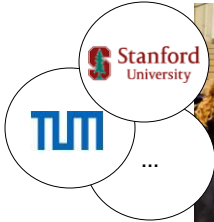
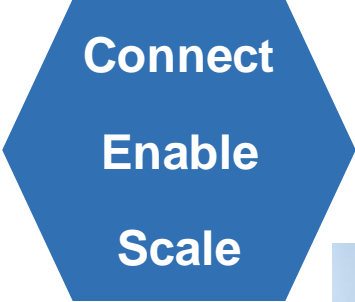
There is high potential for sustainable solutions in all our TUM VL domains



We build global partnerships to enable our outstanding talents & startup community



5 Startups Nominated



Sustainable Entrepreneurship Network



Zero Pollution Network



Launch of the Imperial – TUM Zero Pollution Network



We setup a strong team that interconnects several TUM campus and across organizations (VLM, TUM, UTUM)



Lars Eermann
CSO, Managing Director
TUM Venture Lab SC
München/Garching



Florian Lintl
Operations Director TUM
Venture Lab SC
Straubing



Lucía Lara
Project Manager
TUM Venture Lab SC
München/Garching
(01.02.2023)



Ian Cardenas
HiWi
TUM Venture Lab SC
München/Garching



Stefano Cutuli
HiWi
TUM Venture Lab SC
Straubing



Khalil Kaddoura
HiWi
TUM Venture Lab SC
Straubing



Claudia Dobliger
Academic Director
TUM Venture Lab SC
Straubing



Johannes Fottner
Academic Director
TUM Venture Lab SC
Garching



Belinda Büchner
Startup Advisor
TUM ForTe
München/Garching



Florian Jäger
Startup Advisor
TUM ForTe
München/Garching



Johannes von Borries
Venture Director
TUM Venture Lab SC
München/Garching



Matthias Ballweg
Cofounder and Director
Circular Economy Initiative
München/Garching

Contacts



Dr. Lars Eiermann,

Managing Director TUM VL Sustainability & Circular, CSO TUM VLs

✉ lars.eiermann@unternehmertum.de, lars.eiermann@tum.de



Florian Lintl,

Operations Director TUM Venture Lab Sustainability & Circular Straubing

✉ florian.lintl@unternehmertum.de, florian.lintl@tum.de



Dr. Philipp Gerbert,

General Managing Director TUM Venture Labs

✉ philipp.gerbert@unternehmertum.de, philipp.gerbert@tum.de

General Contact

✉ venturelabs@tum.de

🌐 visit us on www.venturelabs.tum.de

THANK YOU!