

EXIST - University-Based Business Start-ups

May 5th 2020 Maiia Deutschmann





Project Management Jülich as part of Helmholtz Association



Helmholtz Association of German Research Centres - top-class research in six research fields: Energy, Earth and Environment, Health, Aeronautics, Space and Transport, Key Technologies, plus Matter.

Project Management (Agency) Jülich is Part of Research Centre Jülich. It acts on behalf of its clients, i.e. Ministries.







Profile

- > As part of our project funding, we implement our clients' funding policy objectives.
- > We integrate national and European funding measures
- > With our portfolio, we cover the entire chain of innovation
- > We refine funding instruments to accelerate the innovation process.







Start-Up, Transfer and Innovation Support Some examples









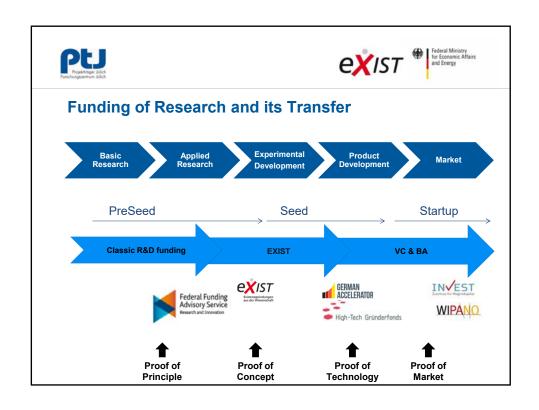






Helmholtz-Validierungsfonds

HELMHOLTZ GEMEINSCHAFT









The EXIST Programme

- > A programme of the Federal Ministry of Economic Affairs and Energy run by Project Management Jülich
- > Main goals are:
 - > to increase the number and the success of high-tech start-ups
 - > to support the transfer of research results with high economical potential
 - > to enhance the chances for follow-up financing
- > The programme provides three lines:
 - > EXIST Culture of Entrepreneurship
 - > EXIST Business Start-up Grant
 - > EXIST Transfer of Research

7



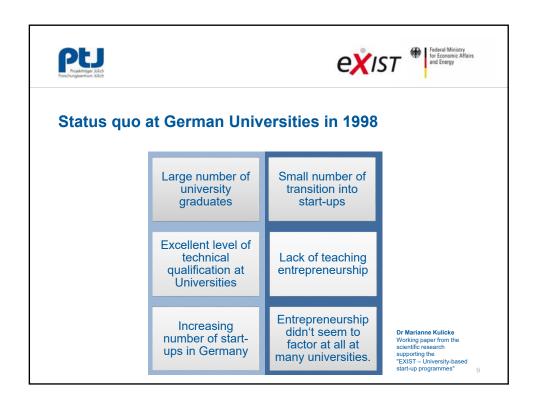


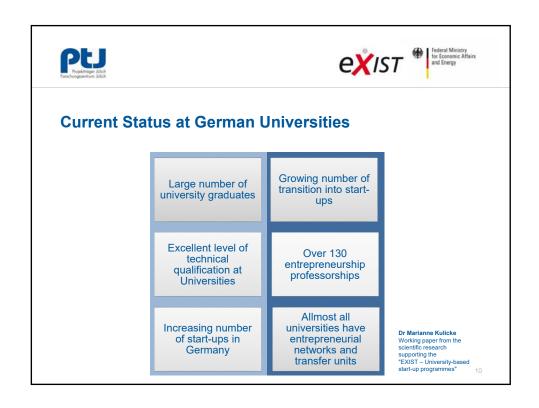
EXIST Culture of Entrepreneurship



- > Since 1998
- Main goal : to build a strong local entrepreneurial ecosystem:
 - Motivation to be an entrepreneur
 - > Education and training
 - > Generation of business ideas
 - > Coaching / support of start-ups











EXIST Culture of Entrepreneurship Overview of results

- > 127 funded universities (since 1998)
- > Total funding EXIST I-IV: about 110 Mil. Euro
- More than 200 entrepreneurship networks at German universities as partners of EXIST
- > More than 130 professorships for entrepreneurship
- More than 300.000 persons coached in entrepreneurial events or courses at funded universities
- More than 17.000 start-up projects supported with an outcome of more than 4.600 founded companies at funded universities
- > About 1.800 start-up projects were funded by EXIST
- > The new programme EXIST Potentials

11





MAIN FACTORS OF SUCCESS

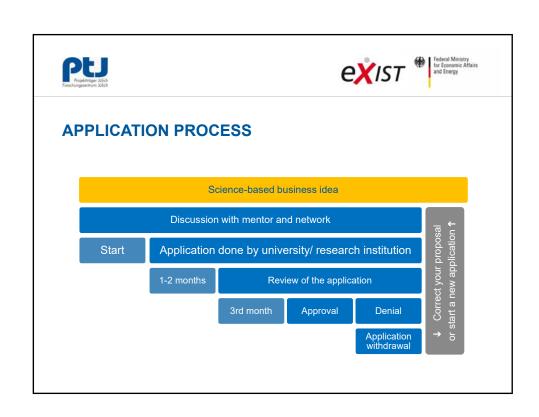
- > **Network** of 190 universities in Germany
- The Program created a culture of entrepreneurship at German universities
 - > Through sensitisation and qualification at the universities
 - Additionally to education and research, entrepreneurship becomes more and more a third task of the universities
- Target group oriented program that helps to get results of research to the market
- > Access to ressources and networks at the universities
- > Embeding into entrepreneurial and academic networks at universities
- Intense coaching through the networks to prepare for the incorporation

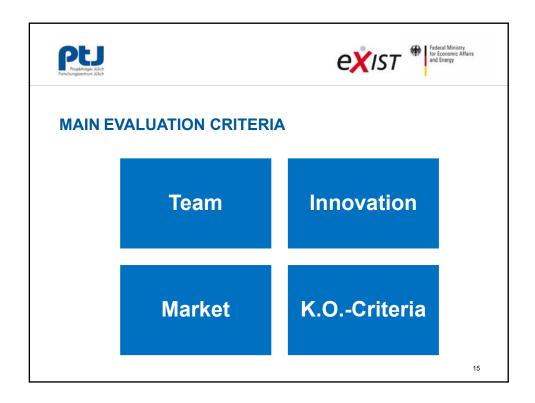




EXIST Business Start-up Grant

- > Since 2007
- > Target groups:
 - > scientists
 - > university graduates
 - > students
- > Funding for 12 months and 3 team members (scholarship & material expenses)
- Infrastructure during the pre-start-up phase plus technical and start-up-related assistance by the research institution
- > Support by a mentor and the incubator at the research institution
- > Application by university or research institution









EXIST Business Start-up GrantOverview of results

- > About 200-220 funded start-up projects per year.
- > >2000 approvals (since 2007)
- > Approval rate: > 50%
- > Main technology fields: Internet, communication and software
- > Funding per team: Ø 125.000 Euro (since 2014)
- > Total funding: > 200 Mil. €
- > Ø team size: 2,8 persons
- > Foundation rate: about 80%
- > Survival rate: about 70% after 3 years, 62% after 5 years
- Incentive premium for universities and research institutes: 10.000 Euro per EXIST Business Start-up project (since 2016)

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EXIST Business Start-up Grant: Celonis SE

The First EXIST-Unicorn



- Spin-off of Technical University Munich
- > founded in 2012
- > EXIST Business Start-up Grant: 83.000 €
- > Software for process mining
- > >400 Employee in several countries
- > 1 Bill. USD worth by June 2018

https://www.celonis.com/

17





EXIST Business Startup Grant: adnymicx GmbH

individualized package inserts



All-in-One "Target Packaging" system enables one-to-one marketing and retargeting directly into the package

- Spin-off of HS München
- Running time: 09/2014-08/2015
- Founded in: 10/2014
- Financing: several millions (Bayern Kapital und BA's)
- Turnover: 50.000 € (2015)
- Employees: 17
- · Awards:

The most innovative company in 2015 (Druck & Medien Awards 2015), Internet Start-up 2014 (INTERNETHANDEL) The winner of the Munich Businessplan Competition 2015, of the Competition "ICT innovative 2014" and of the German Founder Price 2014 in the category "Newcomer" (Aufsteiger)

www.adnymics.com







EXIST Business Start-up Grant: Sociomantic

Big-Data-Analysis of social networks

- Spin-off of Berlin University of the Arts
- Exist funding during 2009/2010
- Company founded in 2009
- 14 offices in four continents
- 200 employees
- No VC financing
- Sold to Tesco for about 200 Mio. € (2014)
- www.sociomantic.com

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nnovation Support / Deutschmann / PT

19







EXIST Business Start-up Grant: Evergreen Food



■ III Lig is ^{10 hours}
Online shop Alge Our Team * Racipes * W Shopping cart





specialized in the production of organic food from their own algae farm grown chlorella

• https://www.evergreen-food.de

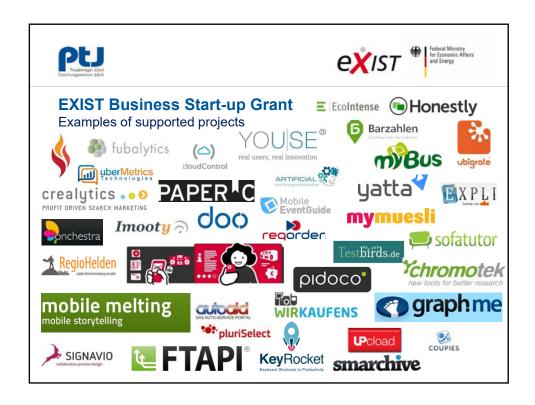
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est Lüttge Algae-Oil with the first organic algae from

Cathleen Cordes

blain has launched Littige. She is requessible as Slotechevilages tool only for new ducts, but holds all threads of each section together in his hand.

collevergreen-food de





- > Since 2007
- Open for all high-technology start-up projects with intensive development periods
- > Two funding phases of support
- first phase
 - > 18-36 months, technical feasibility/ product development
 - > three scientists or technicians, one graduate from business school
 - > Up to 250,000 € material expenses for equipment, material, capital goods, property rights, coaching etc.
- > second phase
 - > after formation of the company
 - > product development up to market entrance
 - > Up to 180,000 € for 18-24 month







EXIST Transfer of Research Overview of results

- > About 50-60 approvals/year
- > Approval rate: about 30%
- Main technology fields: Bio/Med 40%, Micro/Optik 25%, ICT 15%, Energ./Mat.tech. 10% each
- > Average funding per team: 850.000 Euro (since 2015)
- > Total funding: > 250 Mil. Euro
- > Ø team size: 3,5 persons
- > Foundation rate: >70%
- Incentive premium for universities and research institutes:
 20.000 Euro per EXIST Transfer of Research project (since 2016)

2017





Ineratec

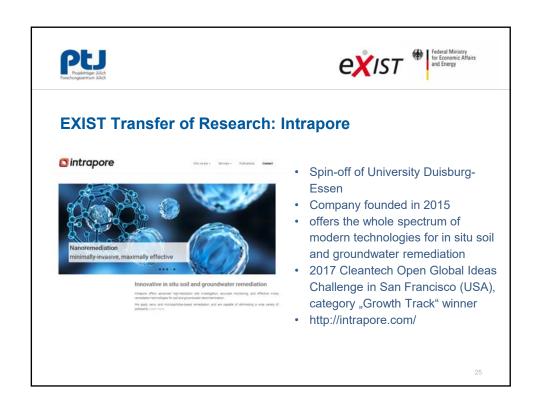
Innovative chemische Reaktortechnologie

Gewinner des Deutschen Gründerpreises 2018



- Spin-off des KIT
- Laufzeit: 2016/2019
- Förderung: 1 Mio. Euro
- Gründung: 2016
- Umsatz 2017: >1 Mio. Euro
- 19 Mitarbeiter
- https://ineratec.de/

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Wir machen Schmerztherapie messbar.

Development and production of devices for the objective and patient-independent measurement of pain and pain elimination

EXIST Transfer of Research
Examples of supported projects

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German Accelerator (GA)



- SA supports German start-ups to enter the U.S. market and the ASEAN-Region
- GA provides start-ups with hands-on mentoring at their locations in Silicon Valley, San Francisco, New York City, Boston and Singapore
- > The three months programme is open to a broad range of start-ups in ICT related sectors, Cleantech and Life Sciences
- Today about 52 Start-ups per year participate in the GA Tech Programm.
 8 12 Teams per year are supported by the GA Life Sciences.
- > Flagship event: Celebrating Innovation twice a year in Germany
- > Selected success stories: Obtained investment: Signavio 31 Mio.\$, Celonis 27,5 Mio.\$ and Trademob 15 Mio.\$. Silexica participated in the Start X Accelerator & received an investment of 8 Mio.\$

29





INVEST- grant for BA capital



- > "Invest" supports private investors that provide seed funding for start-ups
- > Part I: Purchase Grant: A grant of 20% of BA's investment
- > Part II: Exit Grant: A grant of 25% of the profit of a sale of shares; the grant is limited to 80% of the invested capital.
- > Invest databank of certified start-ups
- > See the Funding Directive for more details.





Thank you!

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The EXIST – University-Business Start-Ups programme receives funding from the Federal Ministry for Economic Affairs and Energy and from the European Social Fund.









Bildnachweis Titelfolie: 3D-Montage durch Projekträger Jülich, Forschungszentrum Jülich GmbH