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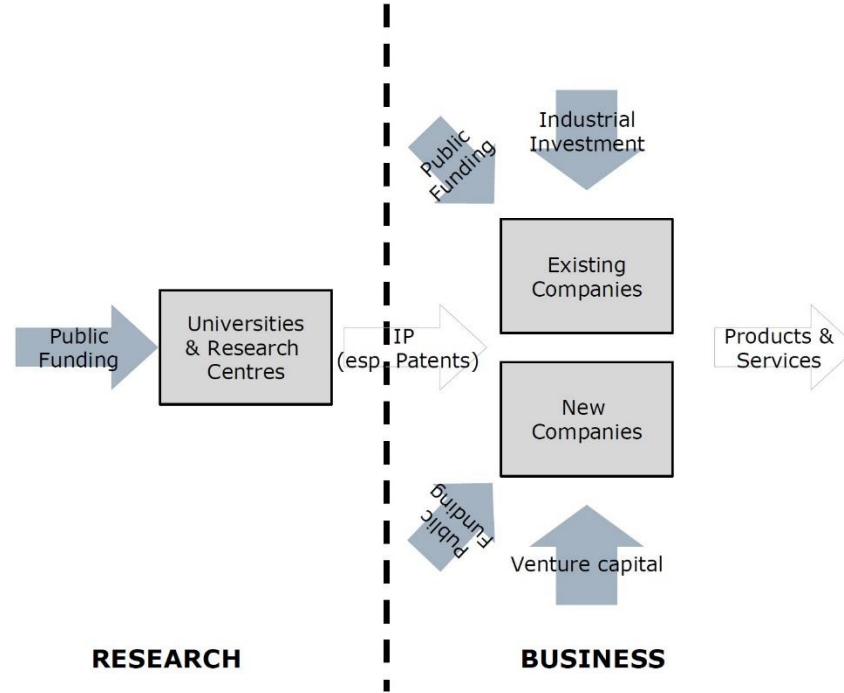
Nanoteknolojide İş Geliştirme ve Ticarileştirme Uygulamaları

Mert Umut Özkaynak
01.06.2022

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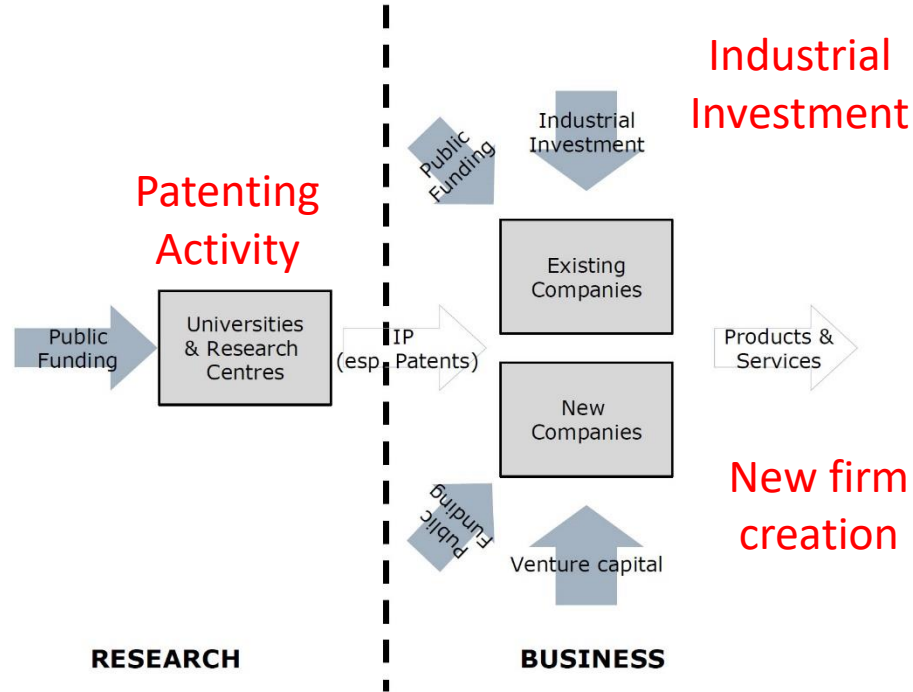
Nanotechnology Commercialisation – Funding flows and key actors

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The NanoForum consortium. (2007, March). Commercialisation of Nanotechnology – Key Challenges, Workshop organised by NanoForum in Helsinki, Finland.

Spinverse. <https://www.nanowerk.com/nanotechnology/reports/reportpdf/report73.pdf>

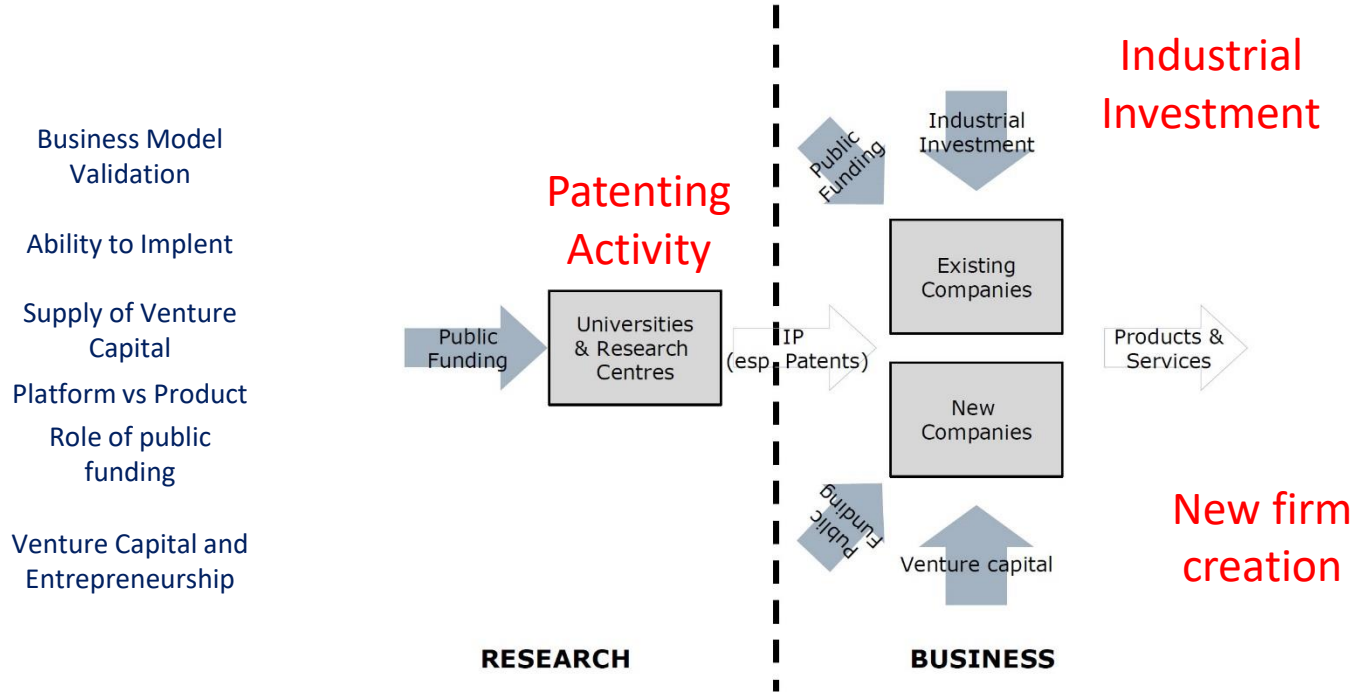
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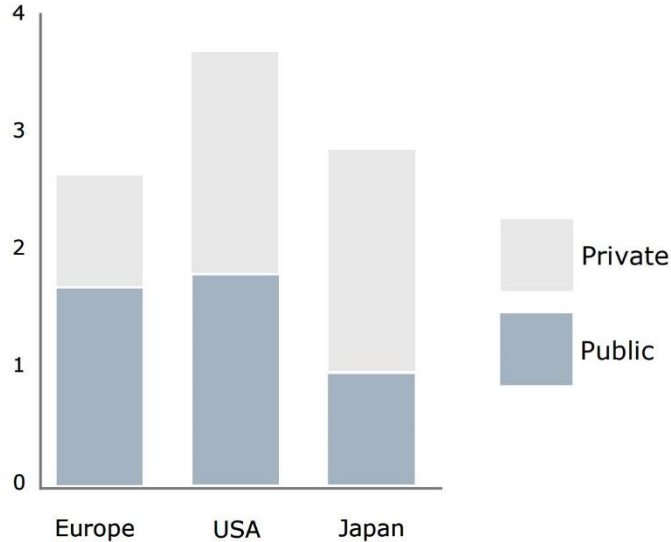
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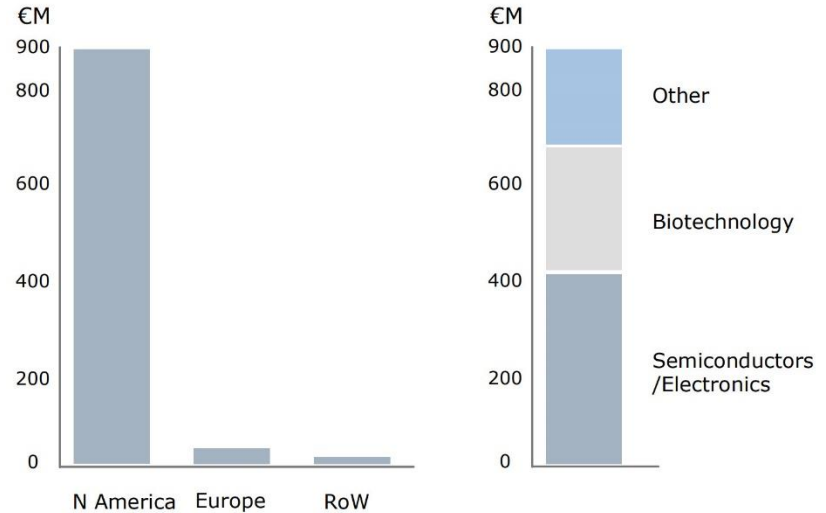
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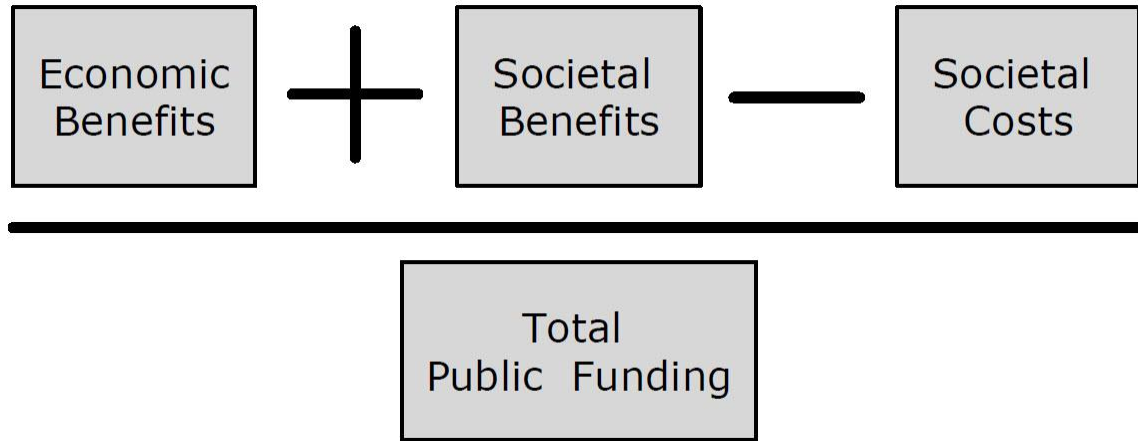
Comparison of Nanotechnology Funding (2005, Euro bn)



Venture Capital Investment in Nanotechnology (2006, Euro M)

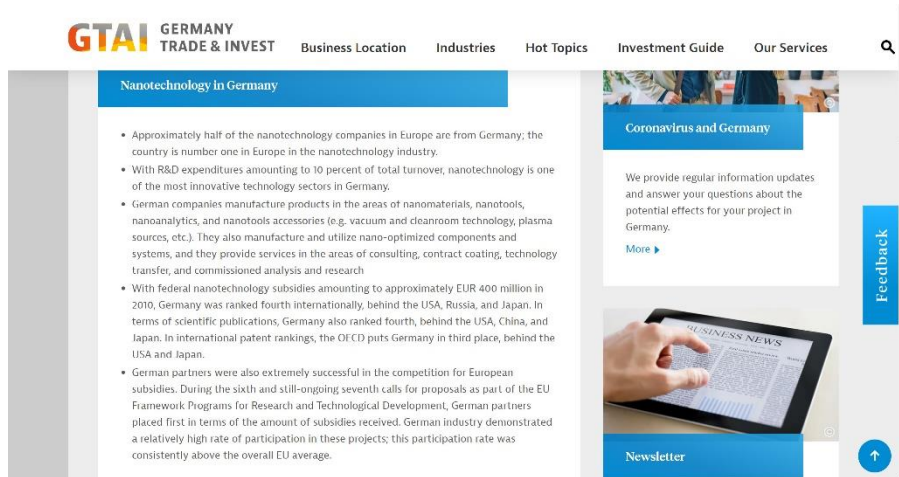
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Nanoteknolojinin Ticarileştirilmesi



ROI of public nanotechnology funding

Nanoteknolojinin Ticarileştirilmesi



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Nanotechnology in Germany

- Approximately half of the nanotechnology companies in Europe are from Germany; the country is number one in Europe in the nanotechnology industry.
- With R&D expenditures amounting to 10 percent of total turnover, nanotechnology is one of the most innovative technology sectors in Germany.
- German companies manufacture products in the areas of nanomaterials, nanotools, nanoanalytics, and nanotools accessories (e.g. vacuum and cleanroom technology, plasma sources, etc.). They also manufacture and utilize nano-optimized components and systems, and they provide services in the areas of consulting, contract coating, technology transfer, and commissioned analysis and research
- With federal nanotechnology subsidies amounting to approximately EUR 400 million in 2010, Germany was ranked fourth internationally, behind the USA, Russia, and Japan. In terms of scientific publications, Germany also ranked fourth, behind the USA, China, and Japan. In international patent rankings, the OECD puts Germany in third place, behind the USA and Japan.
- German partners were also extremely successful in the competition for European subsidies. During the sixth and still-ongoing seventh calls for proposals as part of the EU Framework Programs for Research and Technological Development, German partners placed first in terms of the amount of subsidies received. German industry demonstrated a relatively high rate of participation in these projects; this participation rate was consistently above the overall EU average.

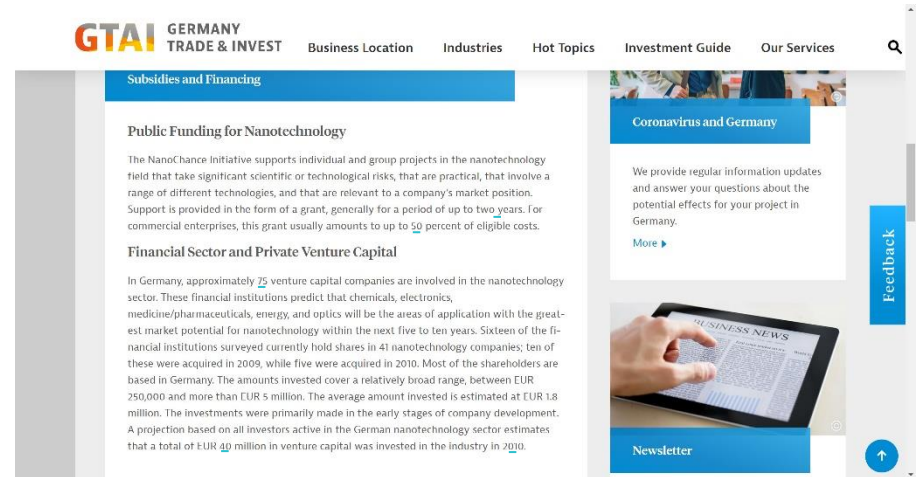
Coronavirus and Germany

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Subsidies and Financing

Public Funding for Nanotechnology

The NanoChance initiative supports individual and group projects in the nanotechnology field that take significant scientific or technological risks, that are practical, that involve a range of different technologies, and that are relevant to a company's market position. Support is provided in the form of a grant, generally for a period of up to two years. For commercial enterprises, this grant usually amounts to up to 50 percent of eligible costs.

Financial Sector and Private Venture Capital

In Germany, approximately 25 venture capital companies are involved in the nanotechnology sector. These financial institutions predict that chemicals, electronics, medicine/pharmaceuticals, energy, and optics will be the areas of application with the greatest market potential for nanotechnology within the next five to ten years. Sixteen of the financial institutions surveyed currently hold shares in 41 nanotechnology companies; ten of these were acquired in 2009, while five were acquired in 2010. Most of the shareholders are based in Germany. The amounts invested cover a relatively broad range, between EUR 250,000 and more than EUR 5 million. The average amount invested is estimated at EUR 1.8 million. The investments were primarily made in the early stages of company development. A projection based on all investors active in the German nanotechnology sector estimates that a total of EUR 40 million in venture capital was invested in the industry in 2010.

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Nanotechnology. (n.d.). Nanotechnology; www.gtai.de. Retrieved May 31, 2022, from https://www.gtai.de/en/invest/industries/industrial-production/nanotechnology_72668#78152

SUNUM Ticarileştirme



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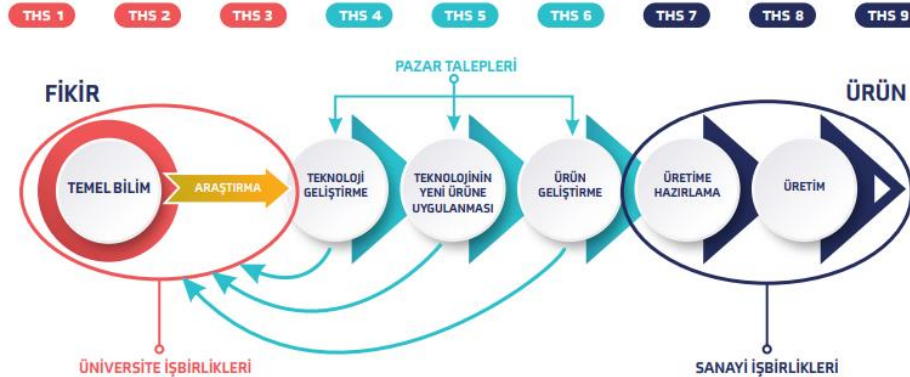
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- Ortak Birim
- Ortak FMH
- Lisanslama
- Ortak Spin-Off
- SUNUM e-Store

SUNUM | e-store

SPIN | SUNUM

SUNUM | ARTIS
ATOLYE

CO-SUNUM





SU | NUM

Teknolojide öncü, yenilik
ve katma değer oluşturan
örnek bir merkez



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