



Research based innovation and commercialisation within the Norwegian hospital and university sectors

French-Norwegian Forum, 19th September 2019

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Commercialisation of public research and innovation in Norway

- Dual picture:
 - Technology Transfer Offices (TTO)
 - Oslo, Bergen, Trondheim, Stavanger, Tromsø, Ås, Kjeller, Kristiansand
 - Internal function at the university colleges:
 - Oslo Met, Molde, University of South-Eastern Norway

TTOs: from science to business in Norway



Norwegian TTOs

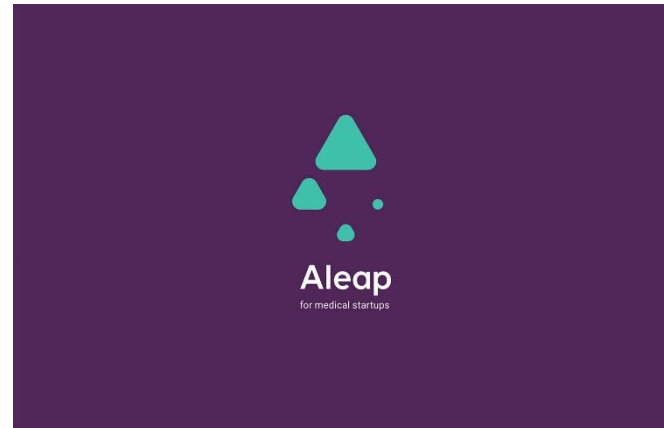
- Kjeller Innovasjon: energy, the environment, community safety and bioeconomics
- ARD Innovation: bioeconomy, sustainability, veterinary and agricultural projects
- Innoventus Sør: commercialisation, entrepreneurial assistance, collaboration in the South-region
- Validé: commercialisation, incubator, accelerator, early stage investment South-West region
- VIS Innovasjon: advice, network, investments and innovation projects in the West-region
- NTNU Technology Transfer: research results and ideas from employees of NTNU and Middle Health region
- Sintef TTO: corporate responsibility of operating the SINTEF innovation concept, in joint effort with top management of SINTEF's business areas
- Norinnova: ideas from research and innovation in the Northern area of Norway
- Inven2: serves the University of Oslo and the South-Eastern health region

Oslo Life Science City



Map from UiO:Life Science

Clusters with public funding





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- Holds exclusive rights to commercialise research- and work results from the employees of:

UiO : **Universitetet i Oslo**

 **Oslo universitetssykehus**

HELSE  **SØR-ØST**

- Clinical trials
- Collaboration with industry



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KEY FIGURES 2018

- evaluated 179 new inventions
- filed 104 patent applications (25 priority applications)
- managed 365 ongoing patents and applications
- signed 26 new license agreements
- established 5 start-ups
- negotiated 163 new clinical trials at the hospitals
- managed 433 ongoing clinical trials
- agreements generated 63 millions to new research

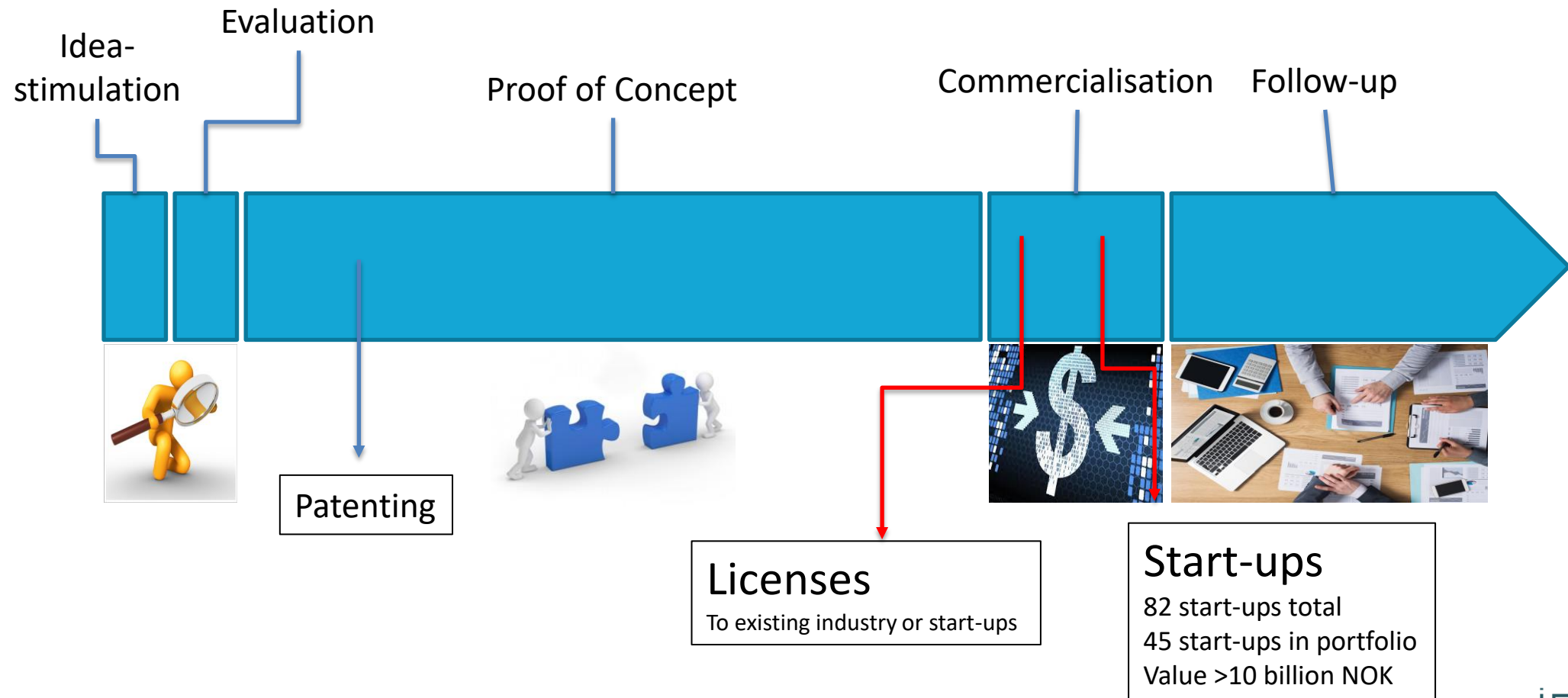
Inven2 offers

- Product definition
- Patent strategy
- Market positioning
- Licensing to industry
- Establishing start-ups
- Legal advice
- Industrial collaboration
- Communication & marketing



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Inven2: work process



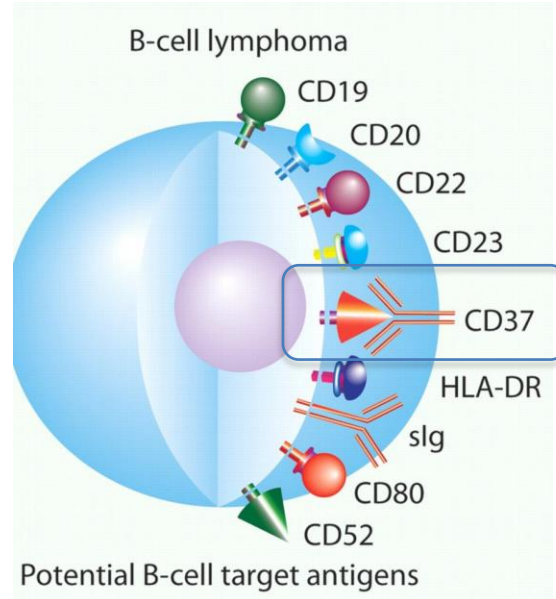
Our start-up portfolio



Nordic Nanovector



- Pharmaceutical company
- Listed on the Norwegian Stock Exchange main list
- Haematological cancers
- Betalutin – Non-Hodgkin’s Lymphoma – Phase II



**CD37: the treatment target for Betalutin®
Antibody-¹⁷⁷Lu conjugate**

Figure from www.nordicnanovector.com

EpiGuard

EPI GUARD | Medical isolation and transportation systems

- Medtech company
- Patient isolation unit – patent pending
- Established 2015
- Approved device – on the market in Europe – pending FDA approval



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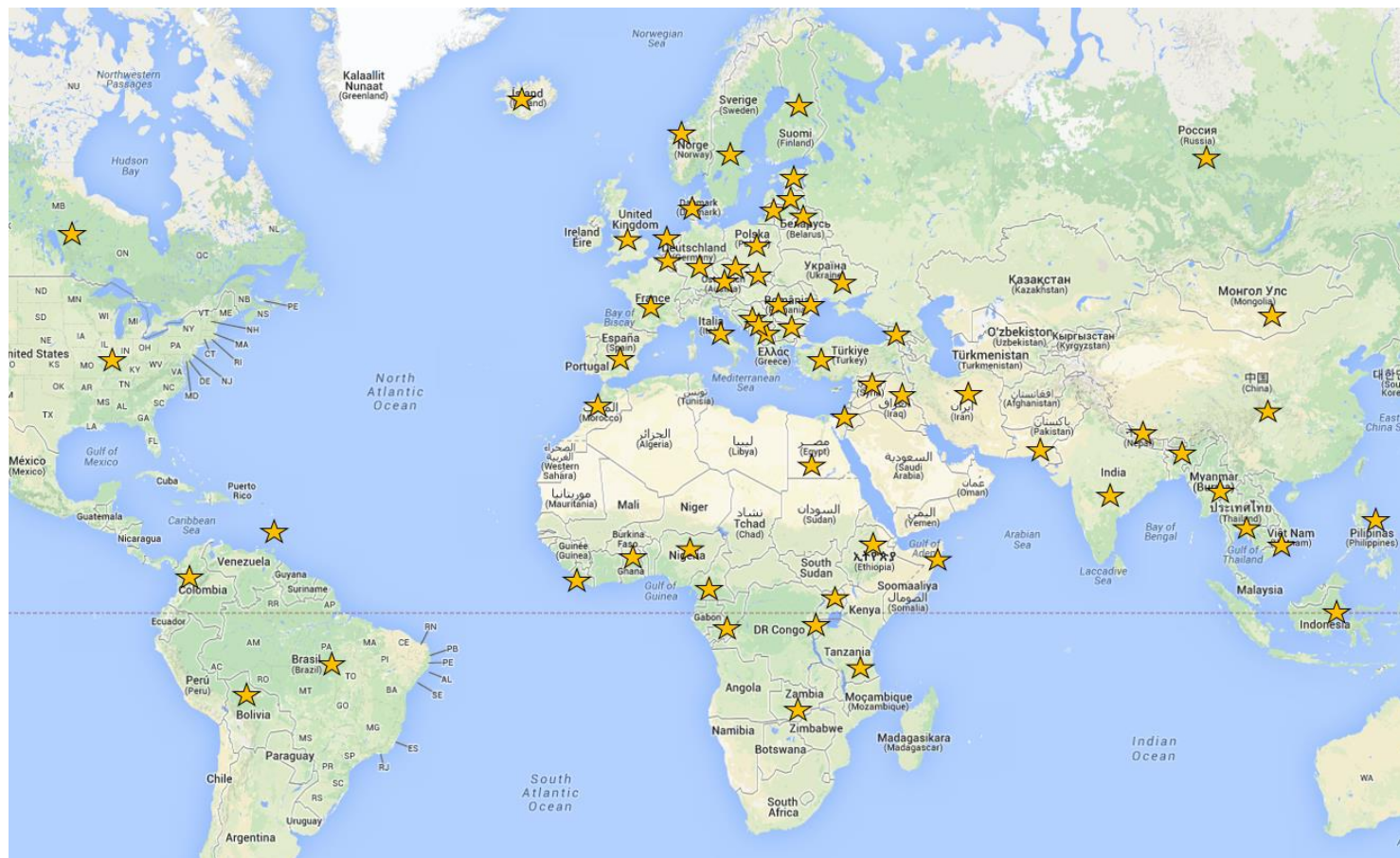
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 Einar Engdal



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**10% INTERNATIONAL STUDENTS
REPRESENTING OVER TIME MORE THAN 60
NATIONALITIES**

Our faculties



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- Logistics
 - Transport economy
 - Optimization
 - Supply chain management
 - Informatics and digitization
- Economy and administration
 - Sports management
 - Political science
- Health and social services
 - Basic and advanced nursing
 - Social services

Applied research and center of excellence

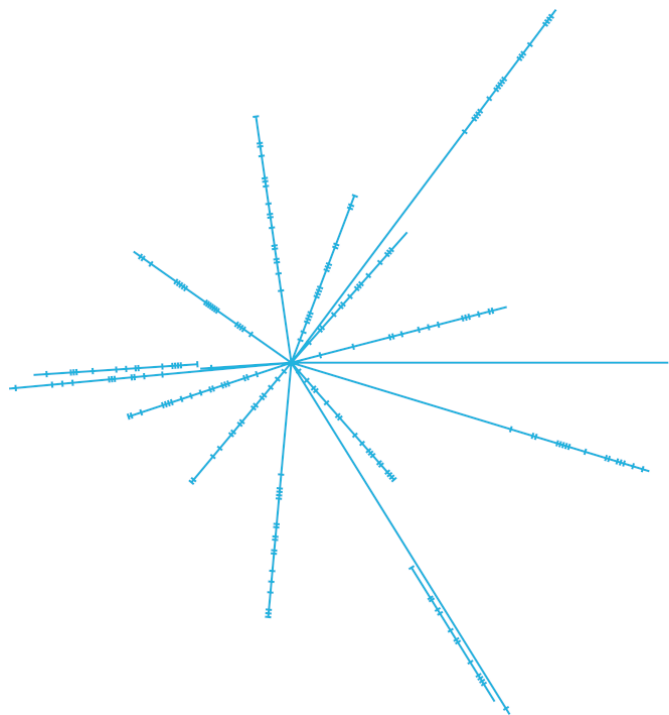


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2008	2009	2010	2011
Kuhne Nagel	Bergen Airport	Molde Airport	Wise consulting
Take Cargo	Schenker	Istad Kraft	Ekornes
Log-It	Shell	Veolia; oil and gas division	Asko
	Det Norske Veritas		
2012	2013	2015	2016
Orkla	National Oil Well	Statoil Bergen	Plasto
Nordsea group	MariTech	Midsund Bruk	Romsdal Bioenergi
Rolls Royce Marine	BussBygg	Helgeland V&M	Molde Kommeune
	2017	2018	
	Fjord 1	Hustadmarmor	
	Axcess	Bama Trading	



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