

**Monopoly spotting
in 483 RCN-sponsored projects**

A STUDY ON OPENNESS AND ACCESS
PRESENTED AT
**RCN Regional Innovation
Seminar II– for Policy Makers**

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Immaterielle rettigheter handler ikke om penger men om kontroll

“Considering the **exclusive right to invention as given for the benefit of society**, I know well the **difficulty of drawing a line between the things which are worth to the public the embarrassment of an exclusive patent**, and those which are not.”

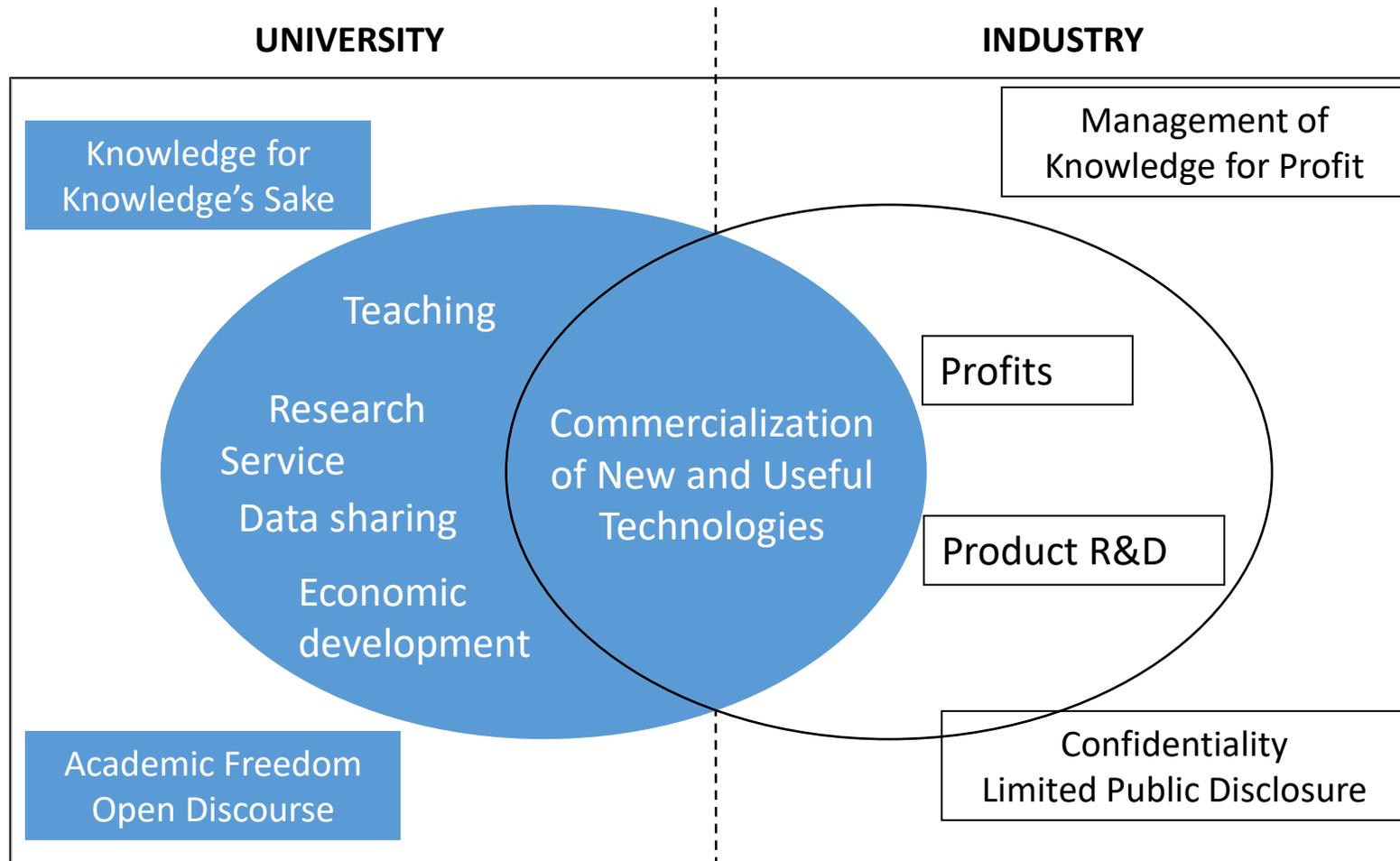
(Thomas Jefferson, 1813)



“We have **socialised the risk** of innovation, but **privatised the rewards**”

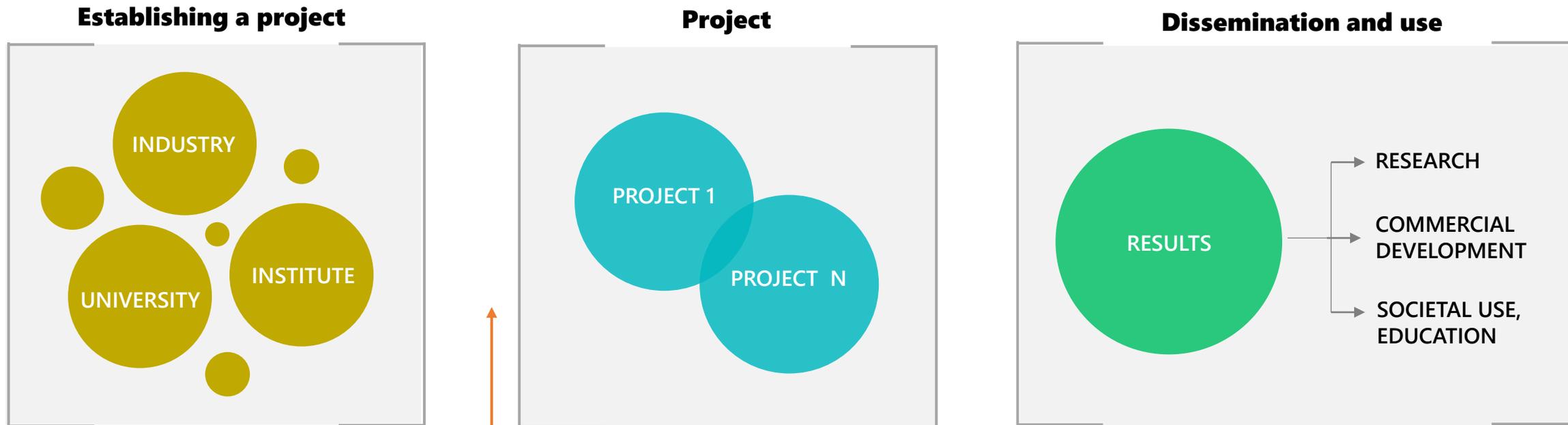
Mariana Mazzucato, 2018)

Det handler om å gjøre kunnskap tilgjengelig for mer innovasjon og nytte i samfunnet



Perkmann et al, 2013

With our unique data material we investigate empirically what is agreed before the project starts, i.e. an ex-ante assessment

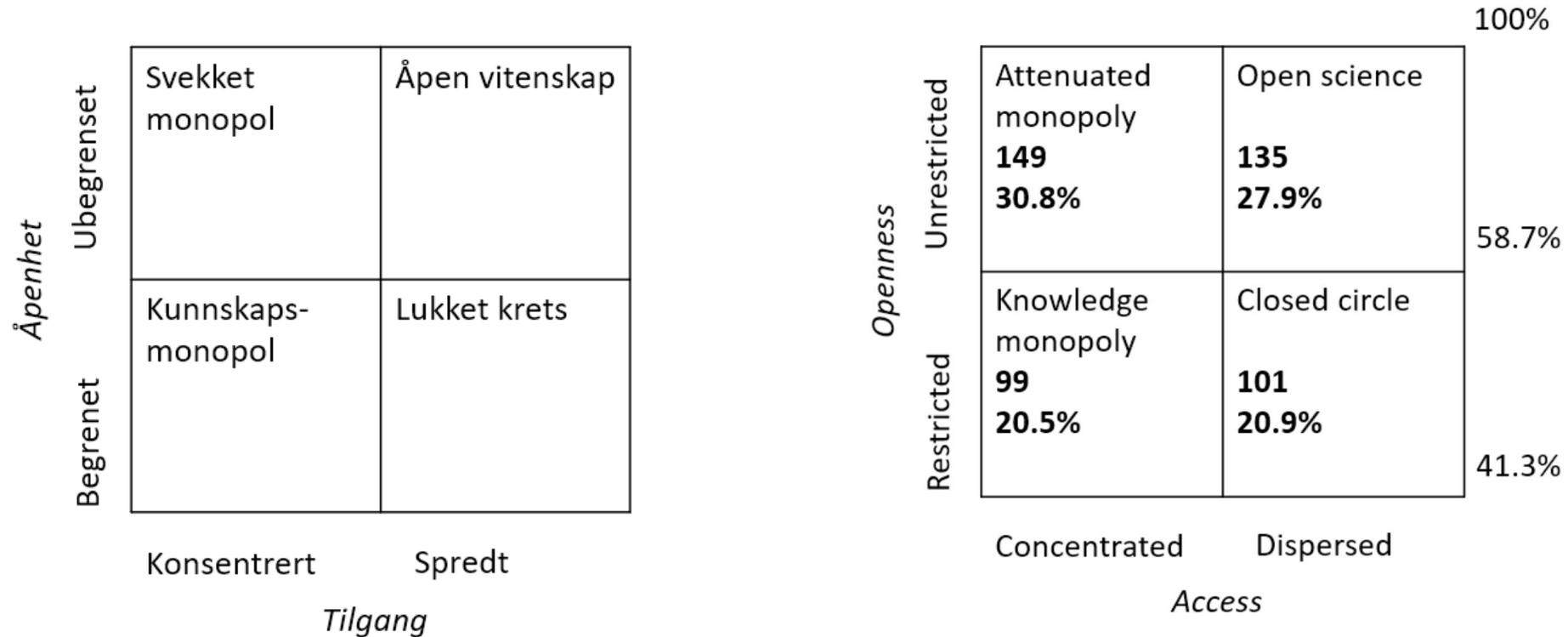


- ✓ Agreements are where we initially best can study the intentions of the parties and the framework of the project results
- ✓ Can later study how and when restrictions are created and their impact on the actual results
- ✓ Compare the intentions and motivations with the actual outcome



New and unique:
quantitatively analyzed qualitative text in collaborative
research agreements

En ny modell for balansen mellom tilgang og åpenhet



Egelie, Knut J, Haakon Thue Lie, Christoph Grimpe, and Roger Sørheim. 2019. "Access and openness in biotechnology research collaborations between universities and industry." *Nature Biotechnology* 37 (12): 1413-1419. <https://doi.org/10.1038/s41587-019-0324-7>.

Egelie, Knut J, Haakon Thue Lie, Roger Sørheim. 2020. "Monopoly spotting". **To be presented at the annual meeting of the Academy of Management**
 Lie, Haakon Thue, and Knut J Egelie. 2020. . " i *Immaterialrett, kontrakter og erstatningredigert av Harald Irgens-Jensen and Camilla Vislie*. Oslo: **Universitetsforlaget**.

Knowledge monopoly – “Medical imaging – anonymised case”

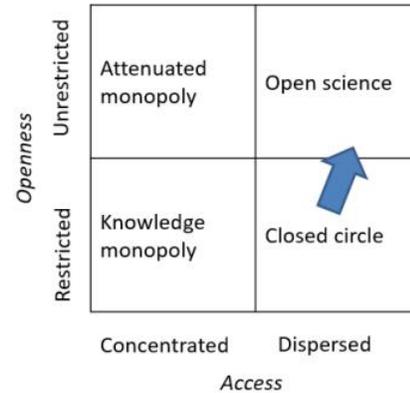
Attenuated monopoly	Open science
Knowledge monopoly	Closed circle

- Innovation project ,budget of around 4 million euro.
- The RCN funds one-third
- runs over several years
- composed of
 - two universities,
 - three industrial partners (all but one from Norway),
 - and research institutes.
- **An industry partner** serves as the project coordinator
- **All results are owned by the project coordinator**
- **All publications are controlled** by the coordinator
 - **The industry partner controls secrecy:**
The university and industry researcher must have permission to publish any results

Should the RCN, using public money, sponsor this?

Maybe - a knowledge monopoly could be the only way to commercialize the research .

Testing the tool on a live, EU-sponsored research collaboration



15 Nov 2019 / NEWS

Towards a greener mineral and metal industry thanks to the AISiCal project

Last week the AISiCal project officially kicked off. The project aims at developing an innovative technology to reduce the environmental impact of producing alumina, silica and calcium carbonate by using alternative mineral resources in one single process.

Last September 18th and 19th, the recently funded Horizon 2020 AISiCal project has officially kicked off in Kjeller, Norway at the premises of its coordinator, the Institute for Energy Technology (IFE).

Conclusions

- We had expected significant differences in associations between the field of industry and openness.
 - Templates are normative?
 - Openness-issue applies to all
 - Thus – 2x2 model works across industries
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- Measuring the impact of research is performed ex-post. **We show how to ex-ante spot possible monopolies**
 - **Further research could see if ex-ante and ex-post typologies can be aligned and contribute to the understanding of sustainability in research results and the resulting technology.**