

# Innovation and Industry

## How to harvest the full potential from the ESS facility ?

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The specialist in psychiatry  
and pioneer in neurology



# Agenda

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- **Introduction**
- **Inside the ESS facility**
  - Research excellence
  - Providing service
- **Outside the ESS facility**
  - Research support activities
  - Translation – from basic research to commercial products
  - Infrastructure
- **Conclusion**

# Introduction

- **Public Research Institutions (PRI's) are expected to contribute to the Society funding their existence = Scientific Social Responsibility (SSR)**

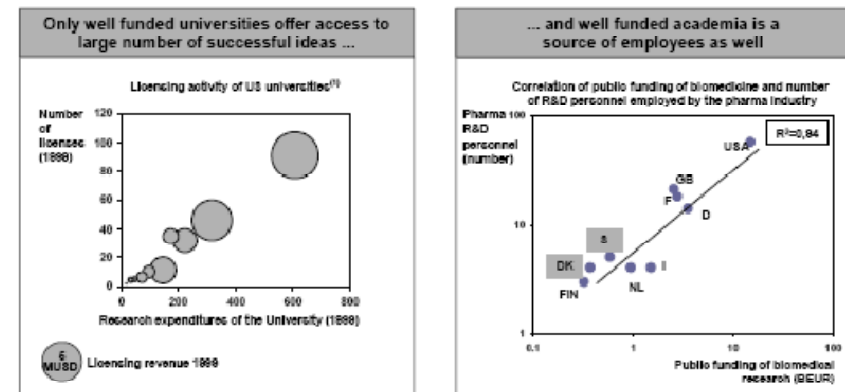
- PRI's are responsible for educating the next generation
- PRI's are responsible for conducting high level Research and contribute with expert knowledge

But

- PRI's are not (cheap) CRO's

- **Public investment in Research and related infrastructures is typically more than matched by private investments**

Figure 7: Public R&D spend drives private R&D investments



(1) Universities grouped into deciles according to size  
Sources: BCG analysis, ABPI, LIF, SNP, VFA, PHRMA, NeForma, Farmindustria, JFMA, Eurostat, BMBF, Statistisches Bundesamt, MPG, HGF, WGL, FNG, NSF, NIH, AIRI, Eurostat, Federal Reserve Board, EPPIA, AUTM licensing survey

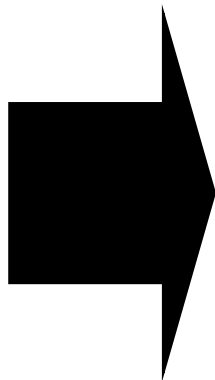
From: "COMMERCIAL ATTRACTIVENESS OF BIOMEDICAL R&D IN MEDICON VALLEY", BCG 2002

## Inside the ESS facility - I

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The ESS facility has three very important objectives:

1. Conduct high level Research
2. Provide service to outside customers
3. Education



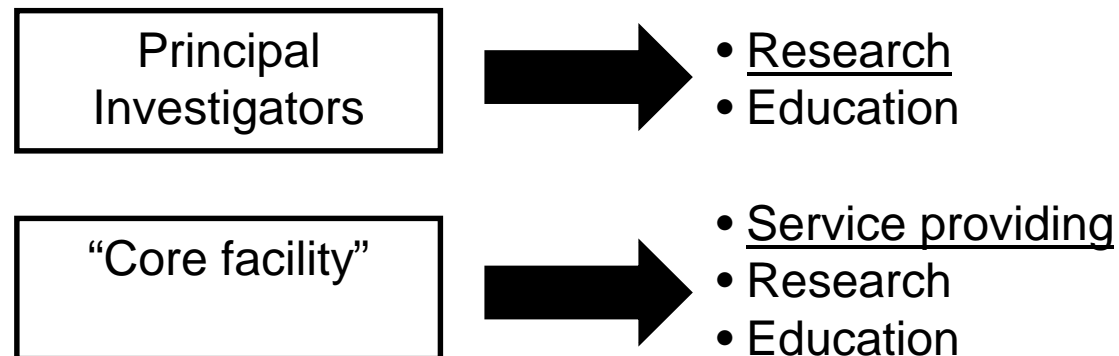
**New Investments and new Jobs**

## Inside the ESS facility - II

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The organisation in the ESS facility needs to reflect these objectives allowing "beam time" to all potential users

I recommend a two armed organisation:



Every part of the organization should have clear KPI's

## Outside the ESS facility - I

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**To capture the value of the ESS investment a number of infrastructural elements needs to be in place:**

- **Supporting Research infrastructures**
- **Research disciplines linked to the ESS technology**
- **Harvest the output – space for incoming research units and Incubators/”translators”**
- **Hotels, housing, transportation, Int. Schools etc**

## Outside the ESS facility – II

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**Harvest the output:**

- 1. Space for incoming research units: Ensure easy access to space for incoming industrial research units**
  
- 2. Incubators/”translators”:** To support creation of new spinouts the right environment needs to be in place:
  - **Coaching**
  - **Capital – and don’t copy the american model !**
  - **Housing**
  - **Core facilities (CRO-like support from experts)**

## Conclusions

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**The ESS facility is a unique chance for Scandinavia to build a novel center of Scientific excellence and thereby to attract new Investments and create new jobs.**

**To successfully capture the full value from this opportunity it is required that:**

- **The organisational infrastructure in the ESS facility is defined the right way and are given clear KPI's**
- **We build (or extend) capabilities in translating inventions to innovation**
- **We ensure the that the supporting Research infrastructure is in place in Scandinavia and the general infrastructure is extended in Southern Sweden and the Zealand area**

**But lets see the big vision on what it takes  
and  
get an action plan worked out  
so  
we can start executing on this opportunity**