



**Karolinska
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Impact and why it is important in academia

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Presentation outline

- What is impact?
- Why is impact important for you as a researcher?
 - Activities to reach impact
 - Comparison of different systems
- Incentives and how to measure impact

Definition impact

- *An effect on, change or benefit to the economy, society, culture, public policy or services, health, the environment or quality of life, beyond academia (REF 2021).*

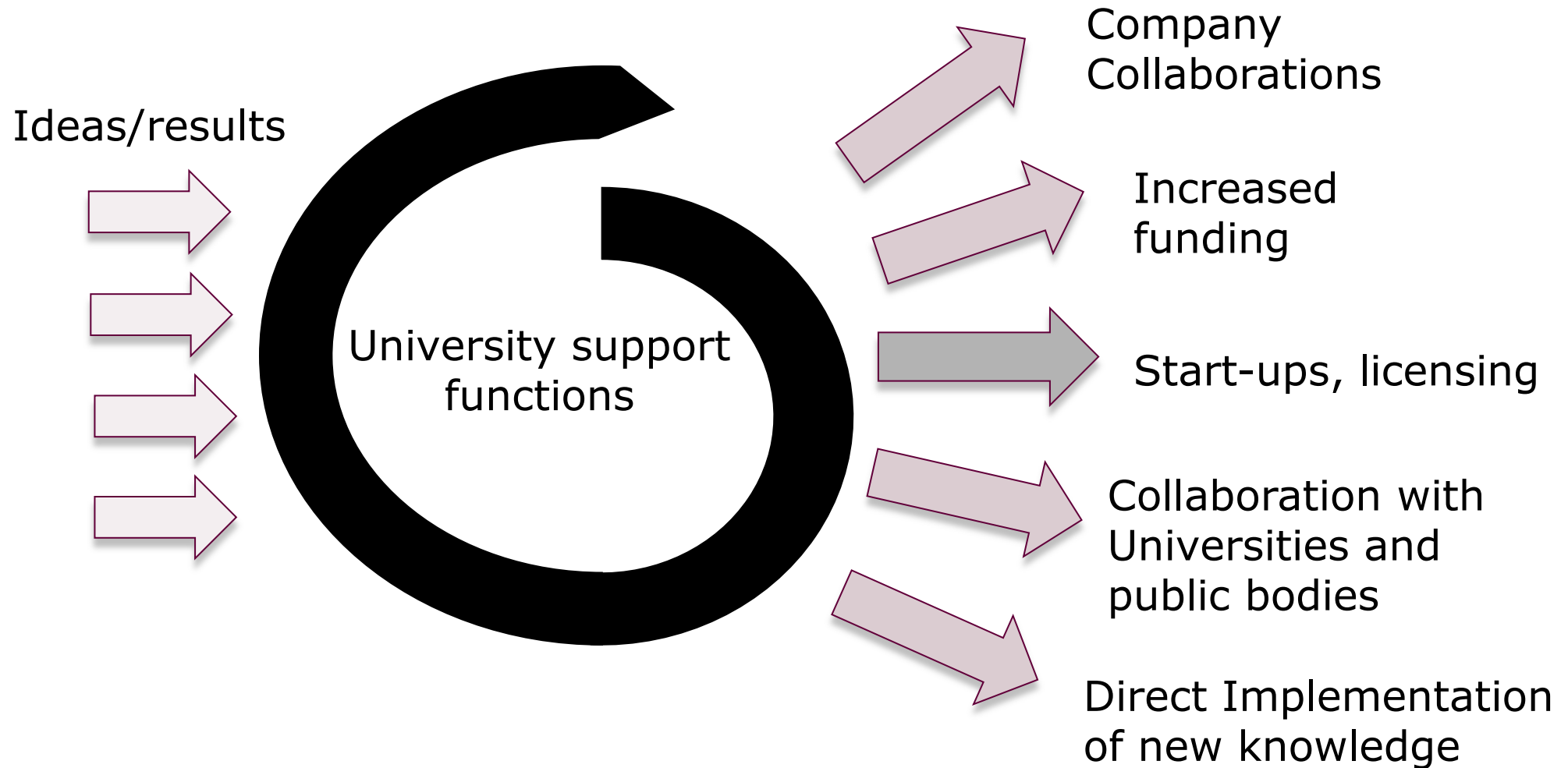
REF
2021
Research
Excellence
Framework

Why is impact important for KI?

- Third task of universities
- Strategy 2030
- Demand from financiers to describe impact
- Demand from investors
- Societal impact



Different paths to impact



From research & knowledge to a healthier society - different ways to create benefit



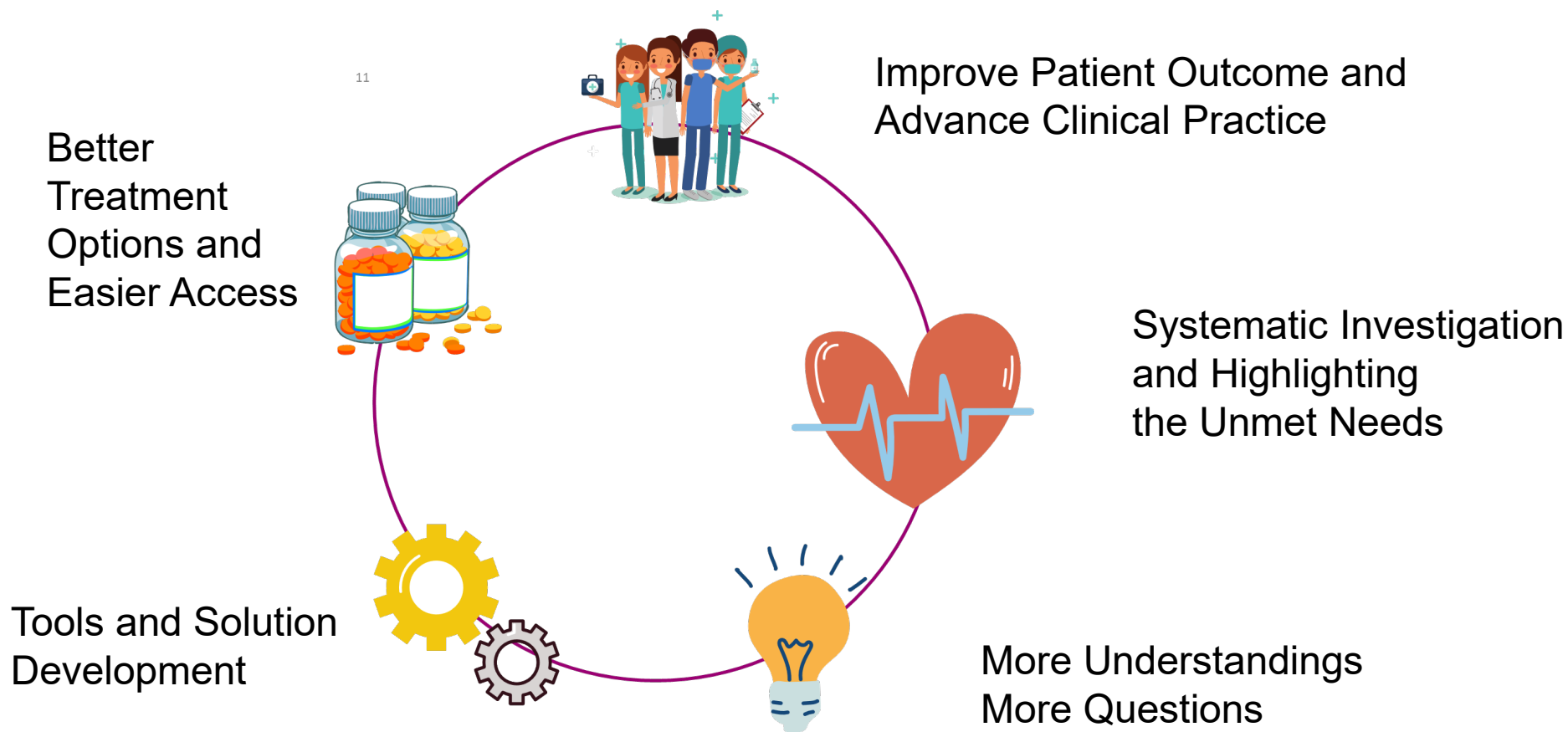
- Publication in peer-reviewed journals
- Popular science publications
- Interaction with the public to influence attitudes, perceptions, theories and norms
- Working with stakeholders and beneficiaries to influence policies, laws, standards and regulations.
- Collaboration / knowledge transfer (for example between individual researchers and companies or organizations)
- Out-licensing (tech transfer)
- Formation of companies, foundations, associations, etc.



The value of collaboration with industry

- Opportunity to address research questions with real-world applications
- Access to unique expertise and competences
- Access to data and infrastructure
- Ensure data reproducibility, robustness and applicability
- Opportunity for funding
- **Create social impact** (i.e. get lifesaving drugs to market/patient faster)

Impact through partnership with industry



Direct Implementation of new knowledge

- Earlier and better diagnostics, treatment and prevention i dialogue with the patient
- New forms of screening, early detections and improved primary care processes
- New working methods in the care chain that improves diagnostics and treatments

Innovation and impact

Innovations
Products
Services
Collaborations
Business methods
Organisational
New policies
Improved networking



Impact
Societal
Environmental
Technical
Commercial
Educational
Health

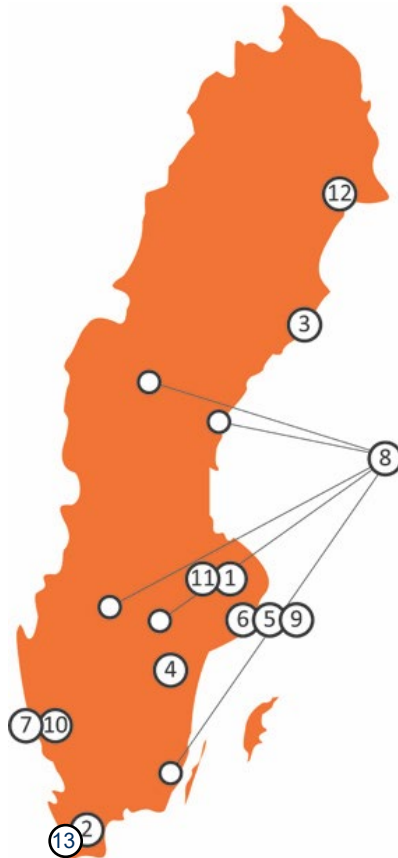


The professor's privilege

Gives researchers at Swedish universities the right to their own results.



The Innovation Offices in Sweden



- Governmental initiative.
- Externally funded directly from the government.
- Utilization and impact of research.

Mission from government

The Innovation Offices should provide support relating to the utilization of research results:

- ✓ Exchange of knowledge.
 - ✓ Within commercialization including patenting and licensing.
 - ✓ Principles for contract research.
 - ✓ Inspire, inform and stimulate researchers to innovations.
 - ✓ Contribute to creating benefits for society and the business community.
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Research excellent framework (REF) UK

- ✓ Societal impact 20%
 - Defined as the effect that research has of life outside the academic sphere.
- ✓ Better prepared for application writing
- ✓ Increased respect and interest from industry
- ✓ Patents/licenses are of interest from industry.
- ✓ Investors/donors demands good stories

=> Impact is a selling point!

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Different systems in different countries

■ Sweden

- Have professors privilege => researchers own their patentable findings
- No tech transfer office => universities can not make business with IP
- Innovation Offices and incubators

■ Italy

- Semi-variant of professors privilege

■ Norway

- Have no professors privilege since 2003
- Company (Inven2) => university, researcher and company share 1/3 each

■ UK

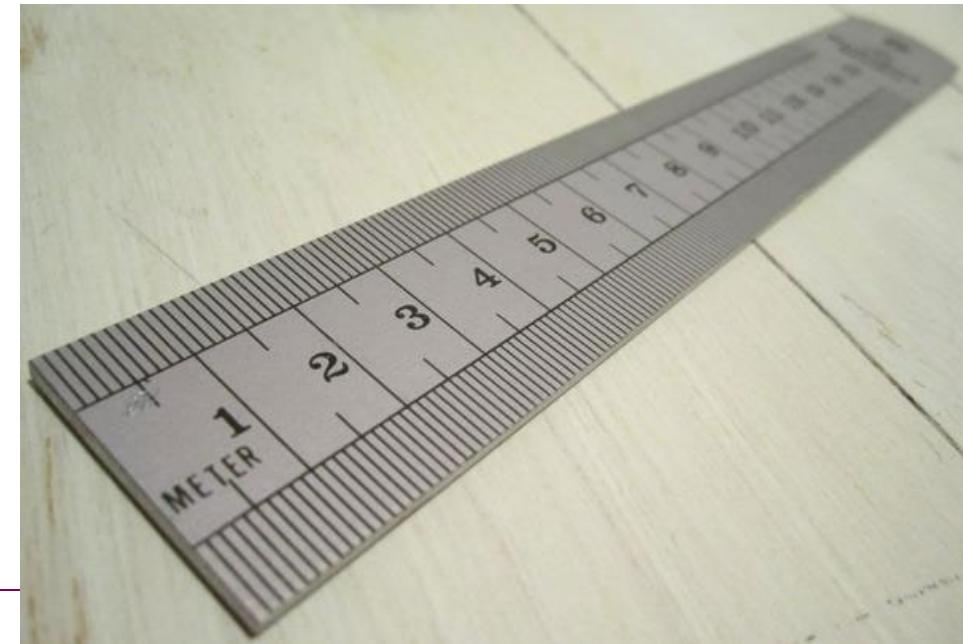
- REF; impact oriented
- Tech transfer

Incentives and metrics for innovation



Why metrics?

- ✓ Incentive for utilization
- ✓ For resource allocation
- ✓ To see effects = Are we doing the right things?
- ✓ Quality drive



How?

- ✓ Result-based indicators
 - ✓ Impact stories
 - ✓ Planned activities and objectives
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What should we measure?

- ✓ The support system
 - ✓ University innovation, collaboration and utilization activities
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Criteria's

- development of indicators

- The indicators must be monitored over time
 - ✓ More important with trends than absolute numbers
- Statistics from existing sources
 - ✓ Use accessible statistics sources
 - ✓ Data available in annual report, economic systems etc.
- Continuous evaluation and development of indicators

Summary

- ✓ Incentive and strategy needed.
 - ✓ Impact and story telling is increasing in importance.
 - ✓ Investors and donators wants to see impact.
 - ✓ Important with robust and transparent indicators.
 - ✓ Trend towards the use of indicators for innovation and utilization.
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