

Science Europe Scientific Advisory Committee (SAC)

SYMPOSIUM – Brussels, 17th November

***“Building a Scientific Narrative on Impact
and Societal Value of Science”***

**Session 2 –Translational Research and
Co-creation of Knowledge: Shaping Mutual
Trust between Scientists and Society**

Igor Emri, Director of the Centre of Experimental
Mechanics, University of Ljubljana, Slovenia

#SEimpact

Translational Research

- Translational research (TR), originally introduced in medicine and defined as “*bench-to-bedside*” research, became an acronym for cross-disciplinary and cross-sectorial exchange and co-creation of new knowledge.
- The goal of TR is to combine disciplines, resources, expertise, and techniques to empower and enrich people culturally and materially, and to build a sustainable knowledge-based society.

A Pathway to Knowledge-based Society

- TR requires reorganization of academic teams in a translational way.
- TR requires cross-disciplinary, cross-sectorial and cross-border cooperation.
- TR requires platforms for perpetual and circular knowledge exchange between researchers and techno-socio-economic stakeholders, hence,

- We need **INNOVATION COMMUNITIES!**

Innovation Communities are environments that allow and nurture integration of best existing knowledge required to build successful *value-adding chains!*

Engineering and Technical
Sciences Committee
Opinion Paper



Empowering Researchers to Provide
Societal Value

Towards Innovation Communities that
Leverage Excellence-focused Research
February 2015



Science vs. Invention & Innovation

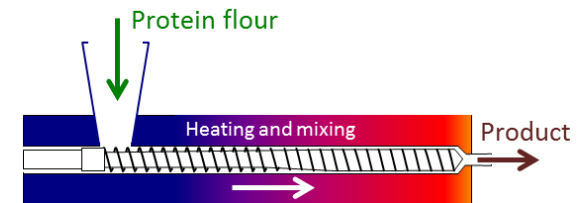
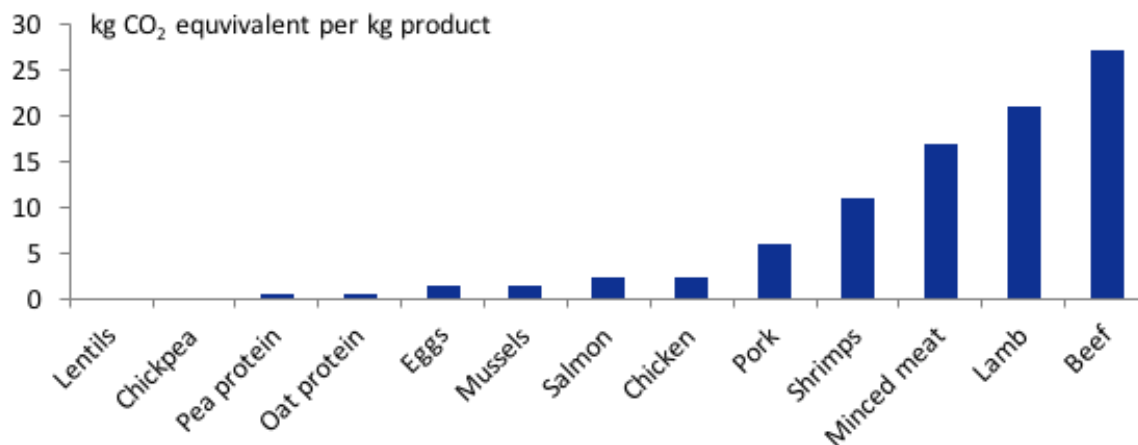
- "Scientists discover the world that exists; engineers create the world that never was." – *Theodore van Karman*
- However, all products and technologies are “clever” integration of the existing knowledge acquired through basic research!
- Complexity and the scientific level of the utilized knowledge defines the technological level of an invention and innovation and its societal impact.



The Smat (*Smart Food in Swedish*) Project

Mats Stading, SP Agrifood and Bioscience, Gothenburg, Sweden

- By combining polymer science, rheology, tissue engineering and food science sustainable alternatives to meat can be developed.
- The plant based bulk serves as food grade meat analogue until the tissue culture is scaled up to food grade production scale.
- Read more at smat.nu



mats.stading@sp.se
+46 10 516 6637