
CHALLENGING LIFE SCIENCE UNIVERSITIES TO DELIVER LEADERS FOR A GLOBAL WORLD – REFLECTIONS AND EXAMPLES FROM AARHUS UNIVERSITY

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THE UNIVERSITIES CAN CONTRIBUTE TO IDENTIFYING AND SOLVING THE GLOBAL GRAND CHALLENGES

DANISH WATER CHALLENGES HAVE RESULTED IN INNOVATION AND KNOW-HOW THAT CAN CONTRIBUTE TO SOLVING WATER PROBLEMS WORLDWIDE

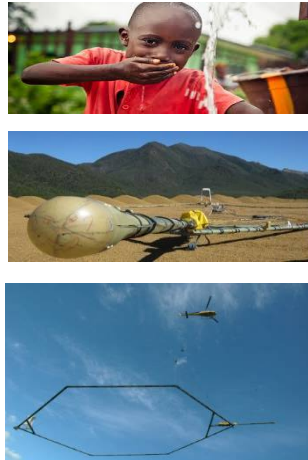
Restoration
freshwater
ecosystem



Purifying
sewage water



Finding ground
water



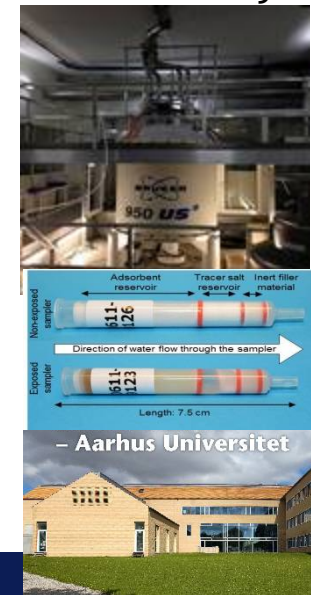
Identify
climate
change



Streamline
farming



Develop
sensors &
monitoring



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THE ROAD FROM STUDENTS TO LEADERS - BRINGING KNOWLEDGE TO INDUSTRY AND PUBLIC PARTNERS

Societal needs

- Grand/global solutions
- Competitive agricultural sector on a global scale
- Transformation to circular economy and improved resource efficiency

Development of agriculture

- Implement disruptive technologies
- Integrate agriculture with natural resources
- Rapid knowledge-transfer to individual farmer



University – Industry Partnerships

Education: graduates/life long

Talent development (joint PhD/post docs) – global recruitment !

Research projects – open research?

Advanced instruments and research facilities – meeting point with industry

Innovation: mindset/funding



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GRADUATES - THE MOST IMPORTANT CONTRIBUTION FROM UNIVERSITIES TO SOCIETY...



Recruit the most skilled and talented students – how to make life sciences more sexy ?



Offer challenging study programmes supported by an innovative learning environment – trained to solve problems



Educate graduates with strong academic qualifications and strong employability skills – combined with skills in innovation or business as honour degrees (T-

Innovation / entrepreneurship / business

Life

science

subjects



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IMPACT BY MOBILISING ALL UNIVERSITY COMPETENCES

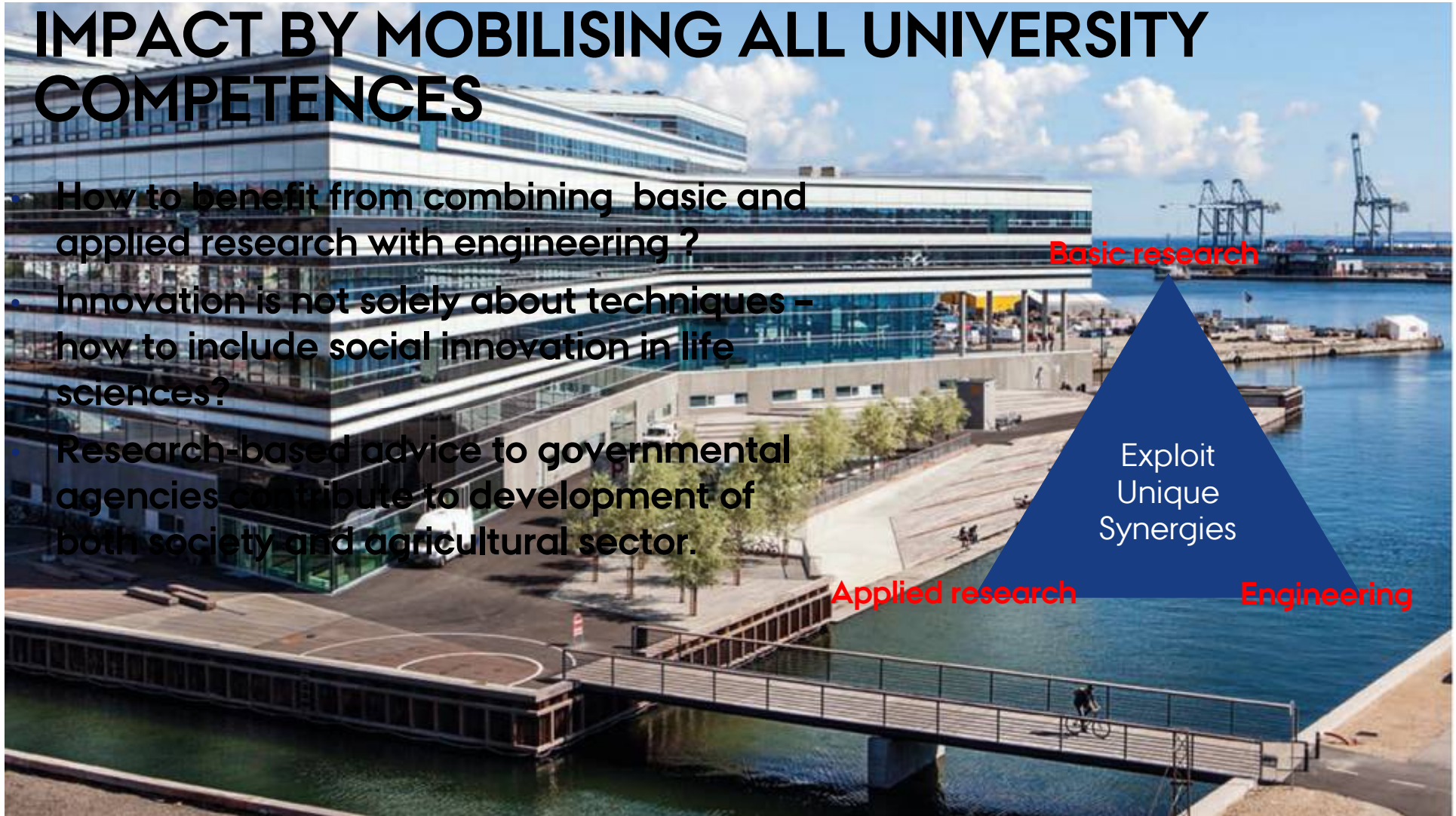
- How to benefit from combining basic and applied research with engineering ?
- Innovation is not solely about techniques – how to include social innovation in life sciences?
- Research-based advice to governmental agencies contribute to development of both society and agricultural sector.

Basic research

Exploit
Unique
Synergies

Applied research

Engineering



UNIQUE RESEARCH FACILITIES – MEETING POINT FOR INDUSTRY



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