

BotH2nia goes Oulu & Raahe
Welcome to the University of Oulu!

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New scientific information and future pioneers to build a more sustainable, intelligent and humane world

SUSTAINABLE
MATERIALS AND
SYSTEMS

CHANGING
CLIMATE AND
NORTHERN
ENVIRONMENT

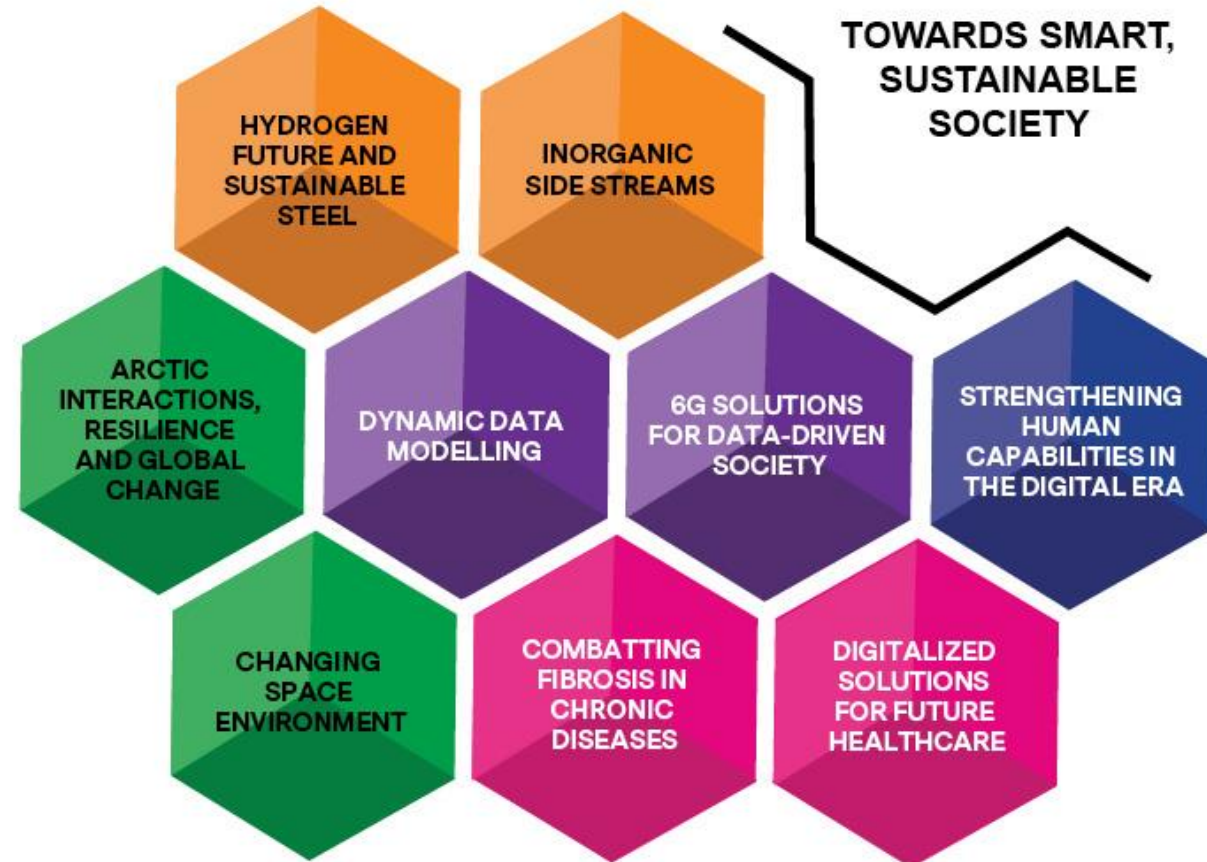
DIGITALIZATION
AND SMART
SOCIETY

LIFELONG
HEALTH

UNDERSTANDING
HUMANS IN
CHANGE



We are at the international top in our profile fields





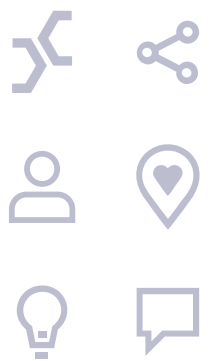
Sustainable steel research is one of our profiling areas

- The centre of Advanced Steel Research CASR was founded in 2006
- Steel research has been UOULU strategic profiling area since 2016
- Focuses on **carbon-free steel** processing and manufacturing of **ultrahigh-strength steels**
- **H2 research is highly linked to the steel research both from processing and materials point of view**



H₂ research focuses also on the production technologies, logistics and use

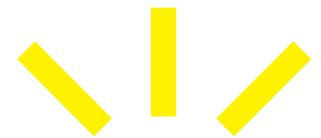
- **Clean methods to produce hydrogen** with methane pyrolysis and photocatalytic reactions
- **Hydrogen as a fuel** in transportation
- **Hydrogen economy**



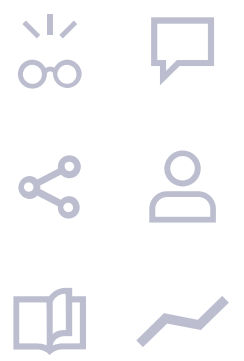
**Creating
new**

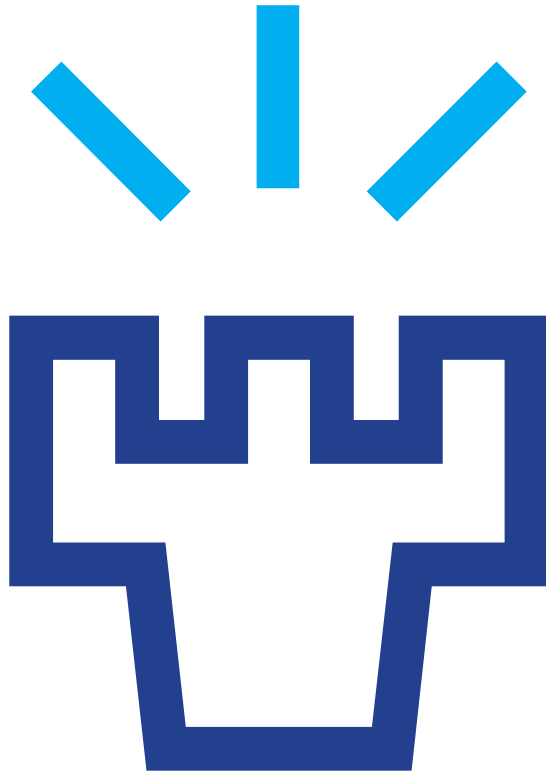


**Taking
responsibility**



**Succeeding
together**





**UNIVERSITY
OF OULU**