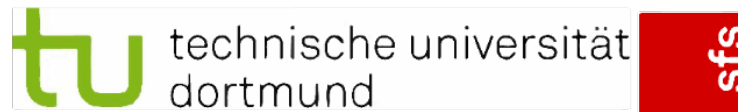


# Welcome:

## 5th Global Research Conference

Social Innovation and Socio-Digital Transformation - Towards a Comprehensive Innovation Policy

28th - 29th October 2019  
DASA: Working World Exhibition  
Dortmund  
Germany



# **Online Participation**

**Slido: #P580**

Session 1:

**Combining Social Innovation and Technological Development:  
A Holistic Innovation Process?!**

Matthias Weber (AIT) / Antonius Schröder (ESSI)

**Contours of a socio-digital transformation approach for leadership**

Ralf Kopp, TU Dortmund

**New leadership requirements in times of digital transformation**

Birgit Thomson, BAUA Dortmund

Session 1:

## **Combining Social Innovation and Technological Development: A Holistic Innovation Process?!**

- The technological innovation perspective  
Matthias Weber (AIT)

Session 1:

## **Combining Social Innovation and Technological Development: A Holistic Innovation Process?!**

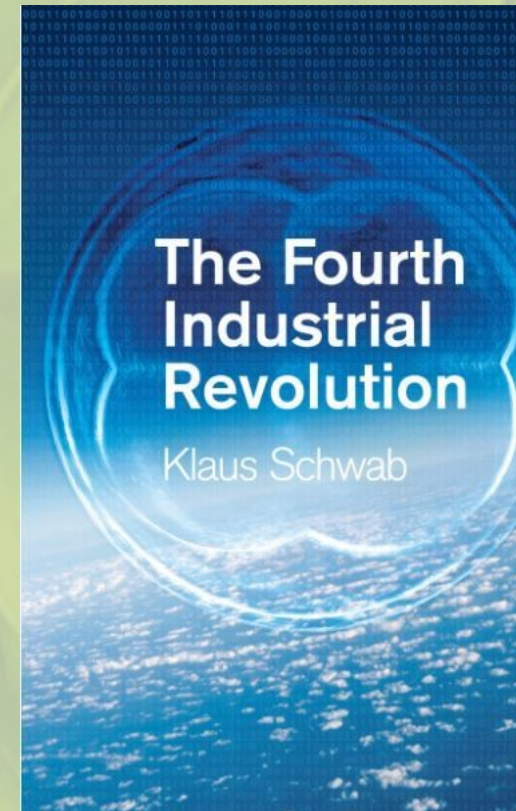
- The social innovation perspective  
Antonius Schröder (ESSI)

## The Fourth Industrial Revolution and the Consequences for Society

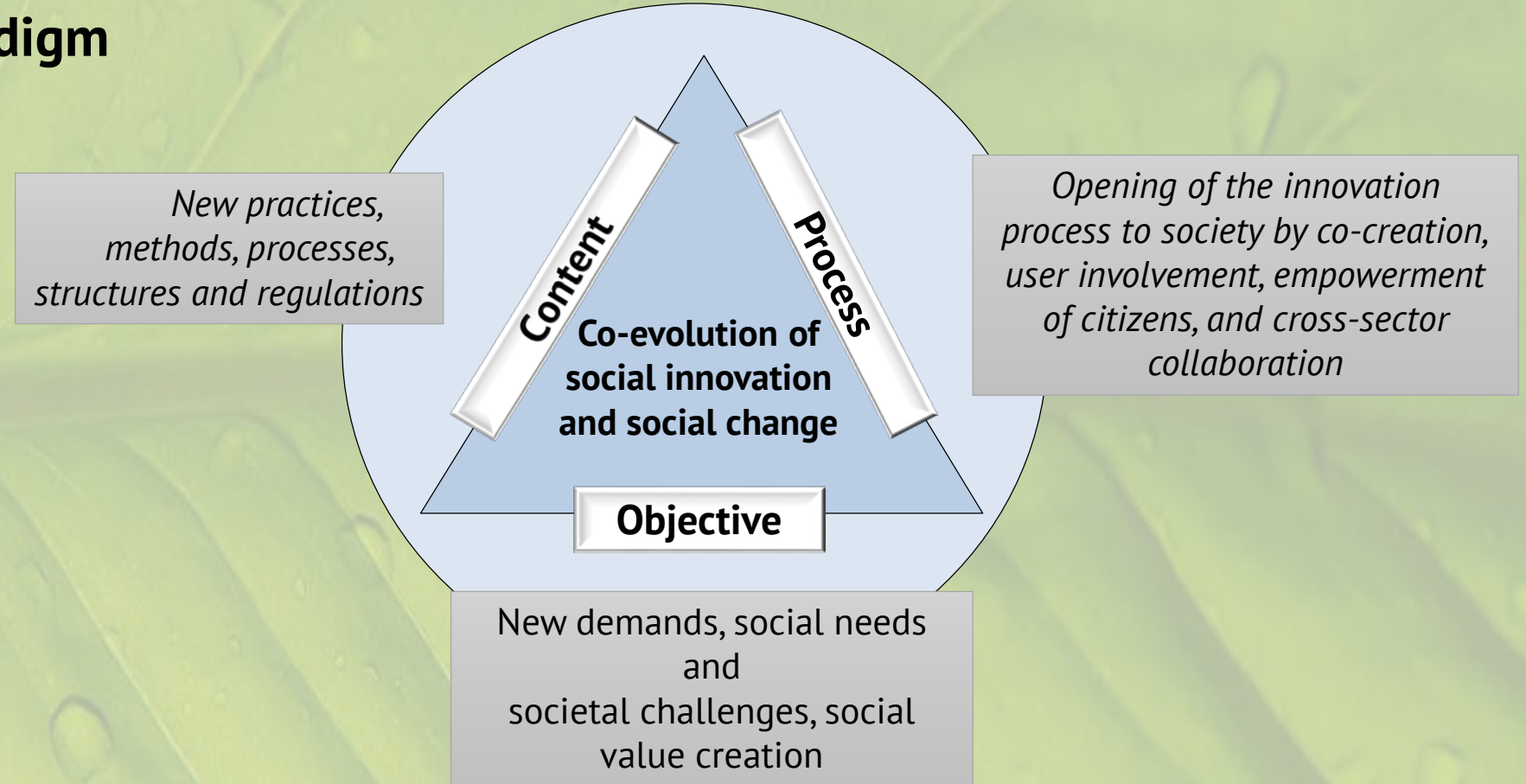
Schwab calls for leaders and citizens to

“together shape a future that works for all by **putting people first**, empowering them and constantly reminding ourselves that all of these **new technologies are first and foremost tools made by people for people.**”

Professor Klaus Schwab, Founder and Executive Chairman of the World Economic Forum



## A New Innovation Paradigm



## New Innovation Process

### Starting point:

A lot of technological innovation is not being used and implemented

- **Every technological or economical innovation is also a social innovation (process)**, which is decisive for or at least co-determining efficiency and effectiveness, success and failure of an innovation.
- Technology is an **enabler** of innovation.  
“A New Nature of Innovation” (OECD 2010).

### Solution:

- Setting up of **social innovation concept and process** (innovation process design):  
stakeholder and user involvement right from the beginning  
considering co-creation, impact, organisational and personnel development

#### **Social innovation in Horizon 2020 – A horizontal task**

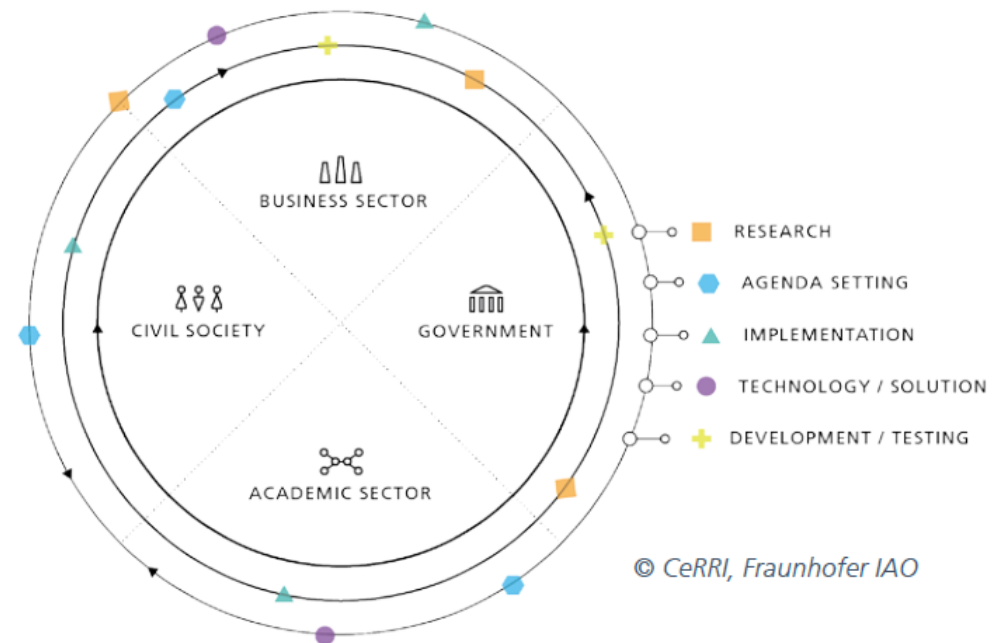
*"Particular attention will be paid to ensuring a balanced approach to **research and innovation**, which is not only limited to the development of new products and services on the basis of scientific and technological breakthroughs, but which also incorporates aspects such as the use of existing technologies in novel applications, continuous improvement and **non-technological and social innovation**."*

HORIZON 2020 Specific Programme

# Combining Technological and Social Innovation within an Innovation Ecosystem

Fraunhofer Policy Paper: Social Innovation –  
The Potential for Technology Development, RTOS and Industry,  
2019: 2

## INTERCONNECTED PROCESSES of social and technological innovation



# Technological development integrated in a Social Innovation Process: Co-creation with end users, impact consideration

- BEYOND 4.0 - Inclusive Futures for Europe –  
BEYOND the Impacts of Industrie 4.0 and Digital Disruption (2019-2022) <http://beyond4-0.eu/>
- ESSA: Blueprint “New Skills Agenda Steel”  
Industry-driven sustainable European Steel Skills Agenda and Strategy (2019-2022)  
<https://www.estep.eu/essa/>
- SPIRE-SAIS: Skills Alliance for Industrial Symbiosis (SAIS) –  
A Cross-sectoral Blueprint for a Sustainable Process Industry (SPIRE) (2020-2023)
- COCOP: Coordinating Optimisation of Complex Industrial Processes, 2016-2020 <https://www.cocop-spire.eu/>
- ROBOHARSH: Robotic workstation in harsh environmental conditions to improve safety in the steel industry (2016-2019)
- Euwin: European Workplace Innovation Network since 2013  
<http://ec.europa.eu/growth/industry/innovation/policy/workplace/>

BEYOND 4.0



**Thank you for your  
participation!**

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