



# RECONFIGURING RESEARCH AND INNOVATION CONSTELLATIONS

By Ditte Degnbol

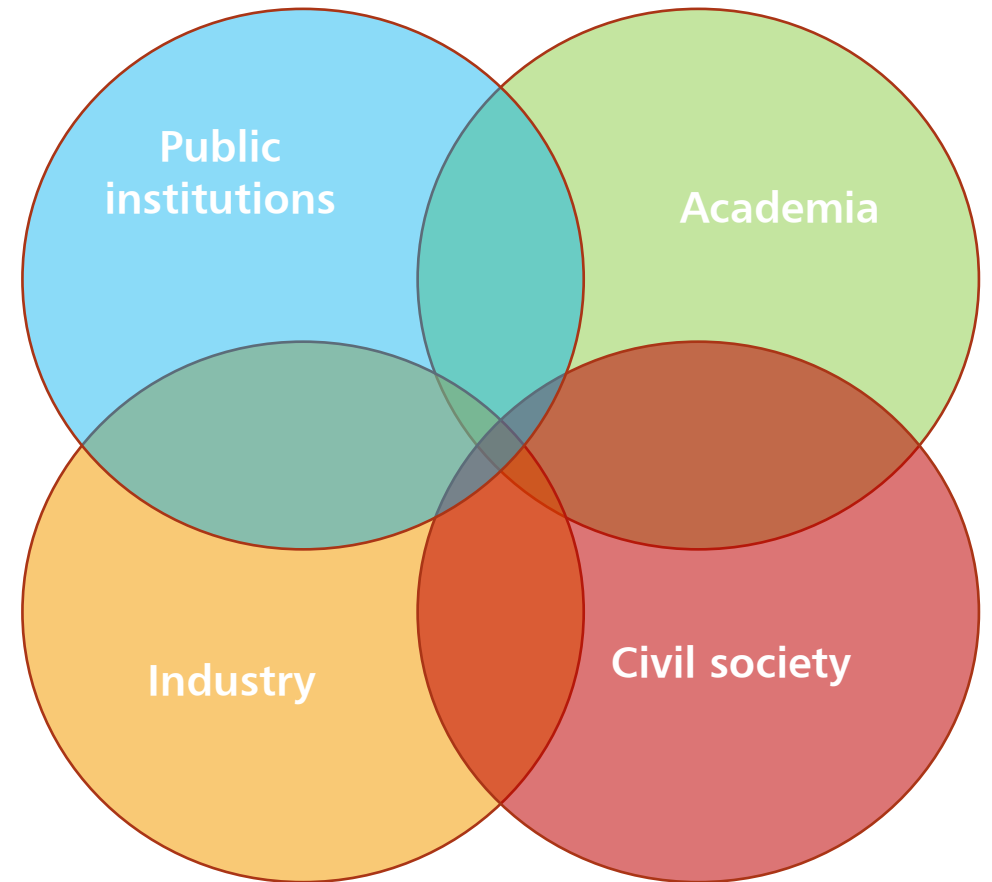
# QUADRUPLE HELIX COLLABORATIONS IN PRACTICE

5 social labs involving real-life cases of Quadruple Helix Collaborations (QHCs) to:

- / Obtain a better understanding of QHCs and specifically the presence of civil society in QHCs
- / help the QHC foster the interaction and inclusion of all helixes into the R&D process

Three main research interests:

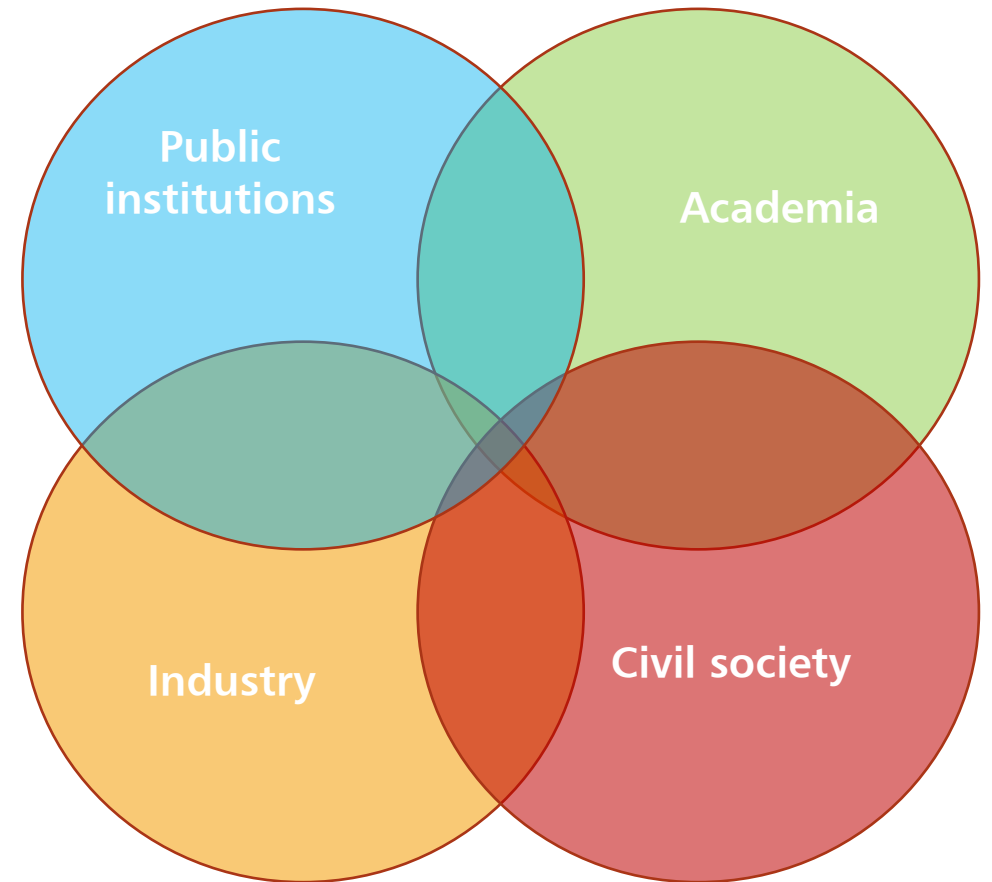
- / The praxis of QHC
- / The relation between QHCs and RRI principles
- / The relation between QHCs and the governance context



# QUADRUPLE HELIX COLLABORATIONS IN PRACTICE

Labs in Europe and South America:

- / Germany: Smart factories
- / Austria: Large scale hydrogen technology
- / Netherlands: Sustainable train transportation
- / Denmark: Climate adaptation
- / Columbia: Electricity and welfare in remote areas



# WHAT HAVE WE LEARNT ABOUT SOCIETAL ENGAGEMENT FOR RRI IN RICONFIGURE?

QHCs face barriers relating to:

- / funding
- / role distribution
- / incentives
- / power structures
- / path dependency

Civil society:

- / Seldom acts as full-fledged partner with decision-making power
- / Tends to enter the collaboration at a later stage on conditions formulated by other partners

The concept of QHCs valuable as normative concept but is not descriptive of the real-life cross-sector collaborations.



# WHAT NEW DEVELOPMENTS, PERSPECTIVES AND QUESTIONS ARE IMPORTANT GOING FORWARD?

## Providing funds

...for collaborative innovation that

- include novel modes of resource allocation like lump sums or flexible frameworks, allowing adaption, failure and experimentation
- foster civil society engagement and make it an evaluation criterion
- supports learning communities and infrastructure for collaborative innovation.

## Raising awareness

...and promoting good practice examples of

- benefits and challenges of Quadruple Helix collaborations
- democratic and transparent internal decision-making processes
- training, collaboration methods and tools for reflection.

## Offering policy instruments

- To change the dominance of business-oriented innovation (policy)
- to acknowledge various civil society groups: from CSOs, NGOs to interest groups and less privileged publics
- for training programs, science communication and support infrastructure for innovation collaborations

# HOW AND IN WHAT WAYS SHOULD SOCIETAL ENGAGEMENT AND CO-CREATION BE ADDRESSED IN THE UPCOMING HORIZON EUROPE PROGRAMME AND CALLS, AS WELL AS OTHER CONTEXTS?

- / The concept of QHCs is valuable, as a “normative political frame” but not helpful in understanding the praxis of real-life QHCs.
- / Existing cross-sector collaborations face multiple barriers to proper civil society inclusion in partnerships – many of which are structural.

Hence, we:

- Need more empirical research on cross-sector partnerships involving civil society. In order to learn how to support such partnerships.
- / Need more research projects involving civil society actors as funding ... (Jakob.)

# riconfigure

Reconfiguring Research and Innovation Constellations

Learn more:

<http://riconfigure.eu/>

dd@tekno.dk

