Exploring equity in transdisciplinary collaborations *on a DUO bicycle!?*

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Cycling & Society Symposium Lund

CENTRE FOR UNUSUAL COLLABORATIONS

pozob supporter van huisartsen

fietsMAATJES Eindhoven

UNIVERSITY OF TWENTE.

vanRaam LET'S ALL CYCLE

FreedomBikes let's go

On a DUO bicycle!?





We vierden de kracht van samen fietsen! 🚲 💙 - YouTube
Fietsmaatjes | Movisie

- Social intervention
  - Physical activity
  - Meaningful social contact
  - Connected to local environment
- People who can no longer cycle by themselves
- Mostly supported by volunteers

"The DUO bicycle is a literal and symbolic vehicle, advocating for inclusion/equity, active mobility, vitality, and volunteer work"

(Why) unusual collaborations!?

CENTRE FOR UNUSUAL COLLABORATIONS

- Complex societal challenges: Health, Environment, Safety…
  - ➢ Require transdisciplinary* collaborations over sustained periods of time

Equity

Positionality

Inclusion

Needs and barriers to engage

Power dynamics

Trust

Safe spaces

Relationship building

Open conversations

- ➢ CUCo offers funding, tools, and opportunities to learn and practice

* e.g. citizens, policy makers, governments, care providers, companies, researchers and others

Researcher-in-Residence!?

Plan 2025-2026

Image of DUO bicycle

+

CENTRE FOR UNUSUAL COLLABORATIONS

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“Activity-based collaboration!?”

EQUITY IN KNOWLEDGE CREATION

Researchers-in-Residence ***2025-2026***



Nikoletta



Yi-ling



Meyke

Researcher-in-Residence!?

Plan 2025-2026

1. Need for activity-based collaboration?



- Desk
- Ask
- Observe
- Do

2. Available alternatives?

Image of Work Walk box

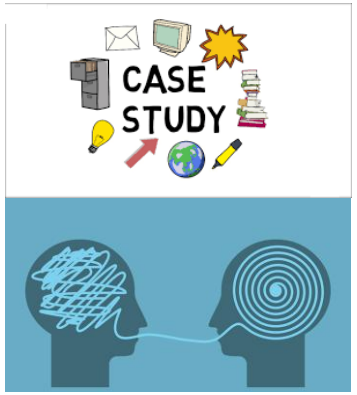
- Setting?
- Activity?
- People?
- Goals?
- Financing?

3. Relevant use cases?



- Setting?
- Activity?
- People?
- Goals?
- Financing?

4. Does it work, and if yes, how?



- Empathy
- Collaboration
- Health

- *What happens in the brain?*

Researcher-in-Residence!?

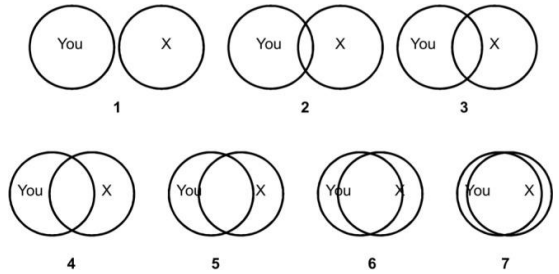
Interim report April 2026

1. Need for activity-based collaboration?

14th Supporting Health by Technology
10 & 11 June, 2025
UPark Hotel, University of Twente

EHPS 2025 GRONINGEN

"with whom and why?"



2. Available alternatives?

Image of Work Walk and bicycle coaching



3. Relevant use cases?

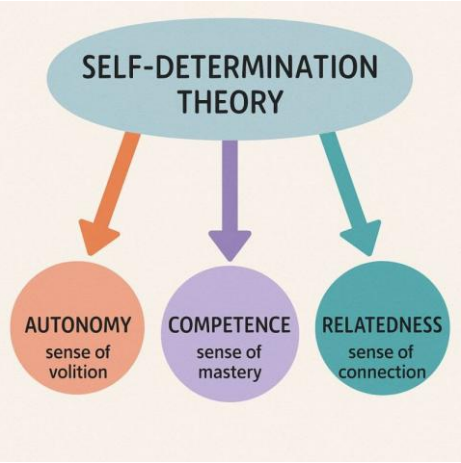
Image of people on DUO bicycle during an activity-based intervention for transdisciplinary collaboration

- Volunteer work
- Conference / event
- Regular 1:1 meetings
- Onboarding
- Research/training tool
- Therapy/coaching
- Speed-dating ☺

CENTRE FOR UNUSUAL COLLABORATIONS

fietsMAATJES Eindhoven

4. Does it work, and if yes, how?



Psychological flow

- Collective enjoyment
- Shared goals
- Task interdependence
- Mutual trust

Neural mechanisms

So let’s ride! Driver or guest!?

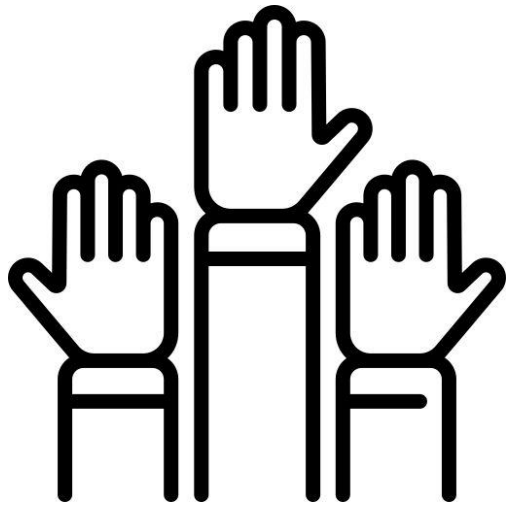
➢Scheduled 20-minute rides (1:1 goodbye event) (n=12)

DRIVER

“I want to experience driving it”

“I want to decide the route”

(50%)



GUEST

“I just want to relax for a bit”

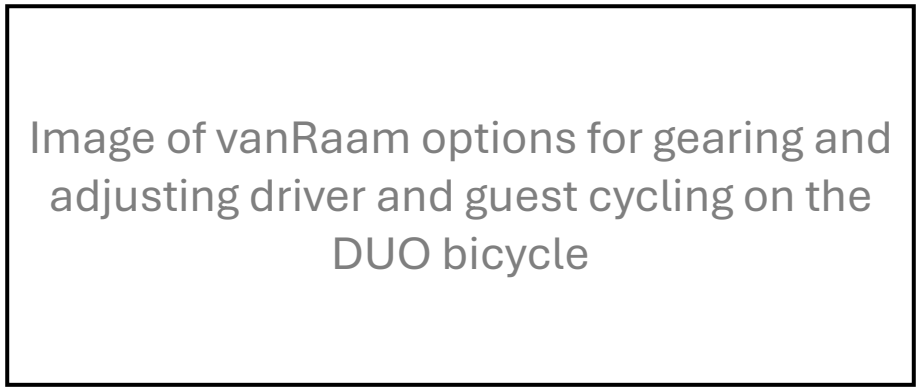
“I want to hand-over control”

(50%)

Researcher-in-Residence!?

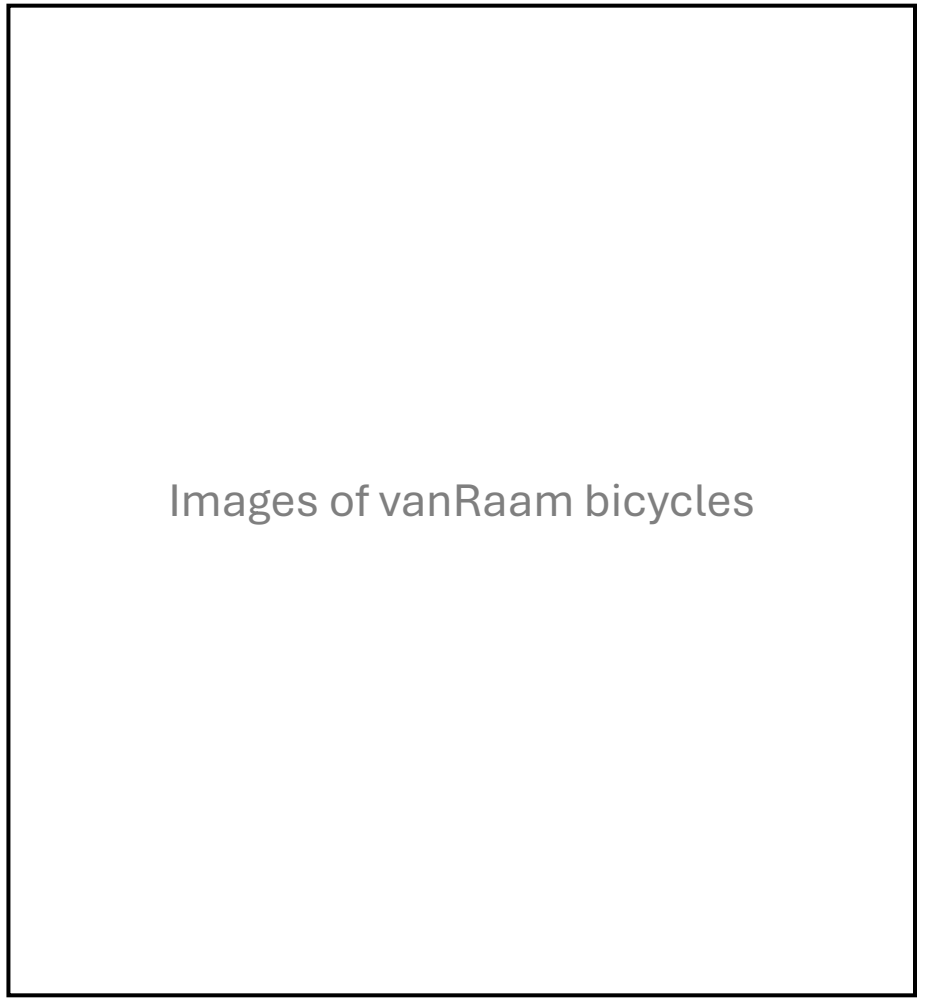
Opportunity: Play with power and collaboration dynamics

- **Simulate** (perceived) (in)equality between collaborators (driver and guest)



- **Stimulate** (perceived) equality between collaborators (driver and guest)

- **Explore** (perceived) closeness to others, tensions and hierarchy, vulnerability / prejudice, …



Playing with power dynamics!?

- **What** power dynamics do you encounter in your collaborations?
- How do you currently **deal with** power dynamics in your collaborations?
- In this context, **with whom** would you like to ride the **DUO bicycle and why**?
- **Ideas** for follow up?



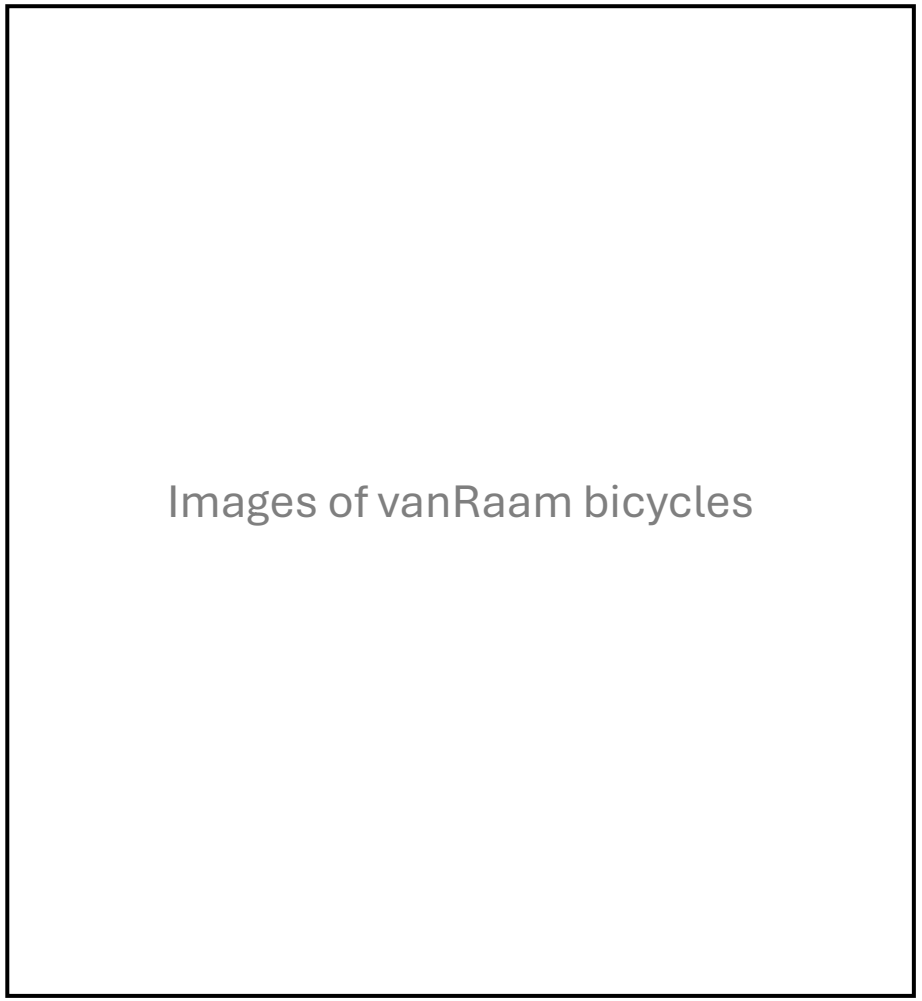
Let’s try and discuss!

Foyer

- Coffee breaks
  - 10:45-11:15
  - 14:45-15:10
- Lunch break
  - 12:15-13:30

Bike ride (Monday)

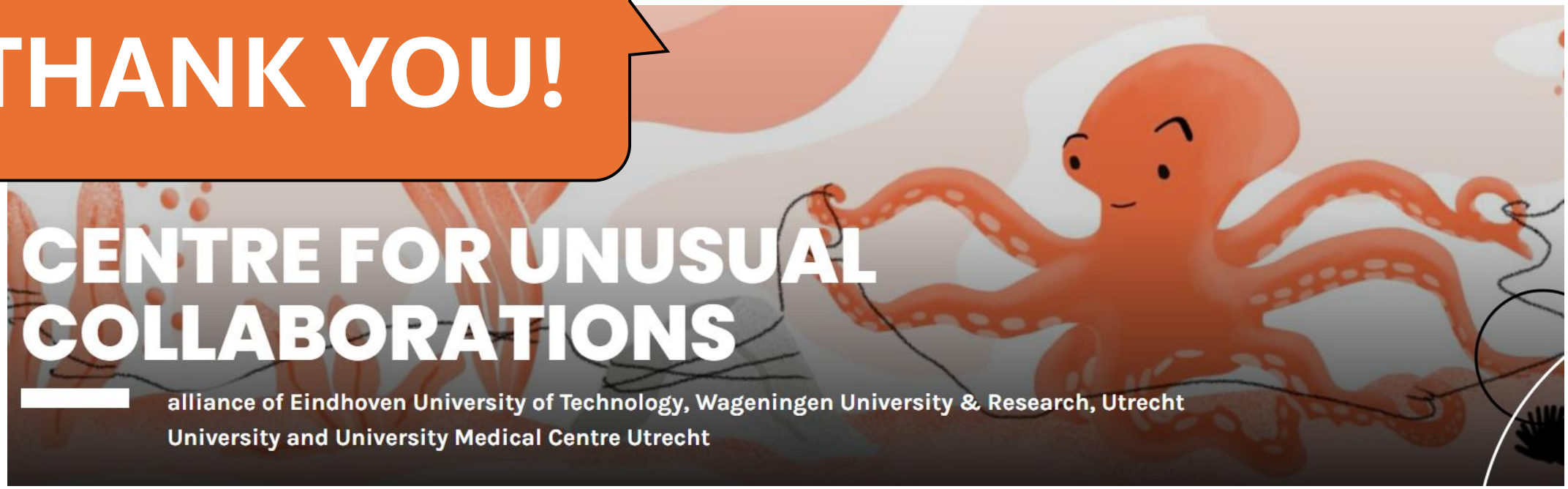
- 16:00-18:00
  - ➢ ***Short survey***



FreedomBikes

let’s go

THANK YOU!



To bring together and support early- and mid-career academics in unusual inter- and transdisciplinary collaborations

EQUITY IN KNOWLEDGE CREATION

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Researchers-in-Residence ***2025-2026***



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Yi-ling



Meyke

Relevant publications on this topic

- Residency interim report: Equity in Knowledge Creation on a DUO bicycle!?
- Dutch Cycling Organization 50th anniversary cyclist stories: a scientist’s perspective (scroll down for English)