



# THE TECHMED EVENT

# SHAPING A HEALTHY FUTURE

14:45 – 16:00 | Personalised eHealth for sustainable healthcare | dr Boony Thio & dr Rob van Doremalen



**Medisch Spectrum Twente**  
een santeon ziekenhuis

**THE TECHMED EVENT**  
Personalised eHealth for sustainable healthcare

# Innovation Hub as accelerator of healthcare innovation

dr. Boony Thio – Medisch Spectrum Twente  
dr. Rob van Doremalen – Medisch spectrum Twente

# DISCLOSURE SLIDE

No financial interests



# Challenges for adoption RPM

Research evidence difficult :

Appropriate trial designs scarce

Variation in health care systems: no “copy-paste”

Low focus on RPM research

Incorporation of evidence in guidelines is slow



Medisch  
Spectrum  
Twente



# Research evidence difficult :

Hub Support:

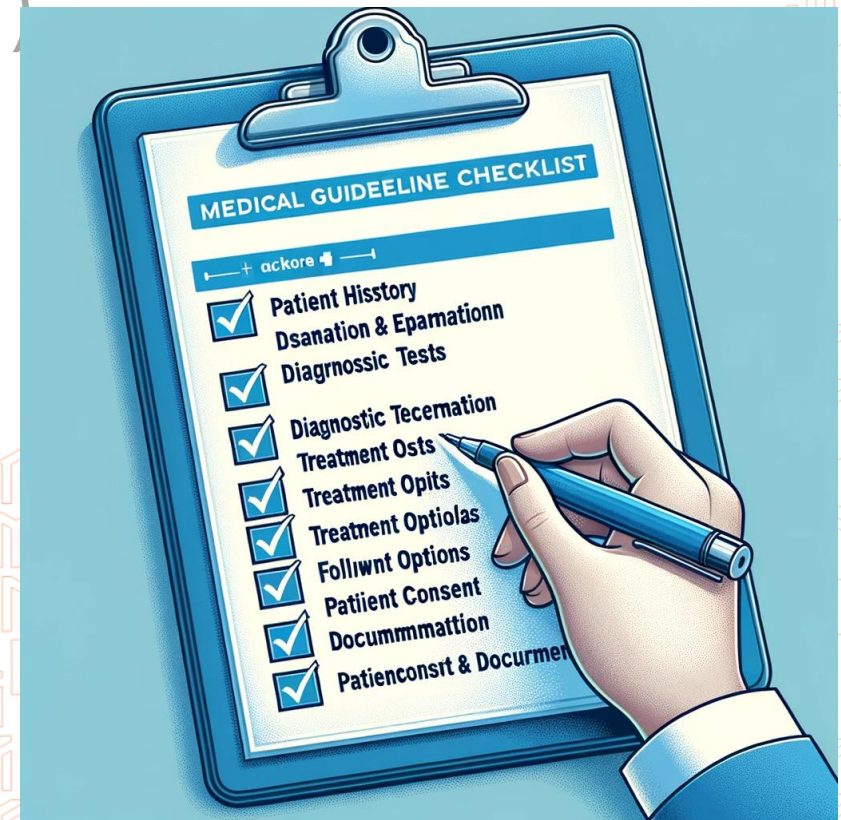
Alternative trial designs ( cohort multiple RCT)

Better Guidelines execution

Education on Methodology of RPM



Medisch  
Spectrum  
Twente



# Challenges RPM :

Health illiteracy

Digital inclusiveness :

1/3 dutch population health illiterate in conjunction with medical overconsumption

Example : Covid 19



Medisch  
Spectrum  
Twente

# Health illiteracy

Empowering patients to acquire health literacy

Hub Support:  
Increasing insights in disease  
Personalised medicine  
Coaching and guidance during symptoms  
Self management



Medisch  
Spectrum  
Twente



# Challenges RPM

Health care system reimbursement

No realistic investment budget for transformation

Reimbursement system is organised in SILO's and mainly for hospital care

Ambition is to reimburse 40% health care costs at home .....



Medisch  
Spectrum  
Twente



# Health care system reimbursement

Hub support:

Engaging Policy makers early on  
Combined data Quality and costs of care  
Embedding in networks



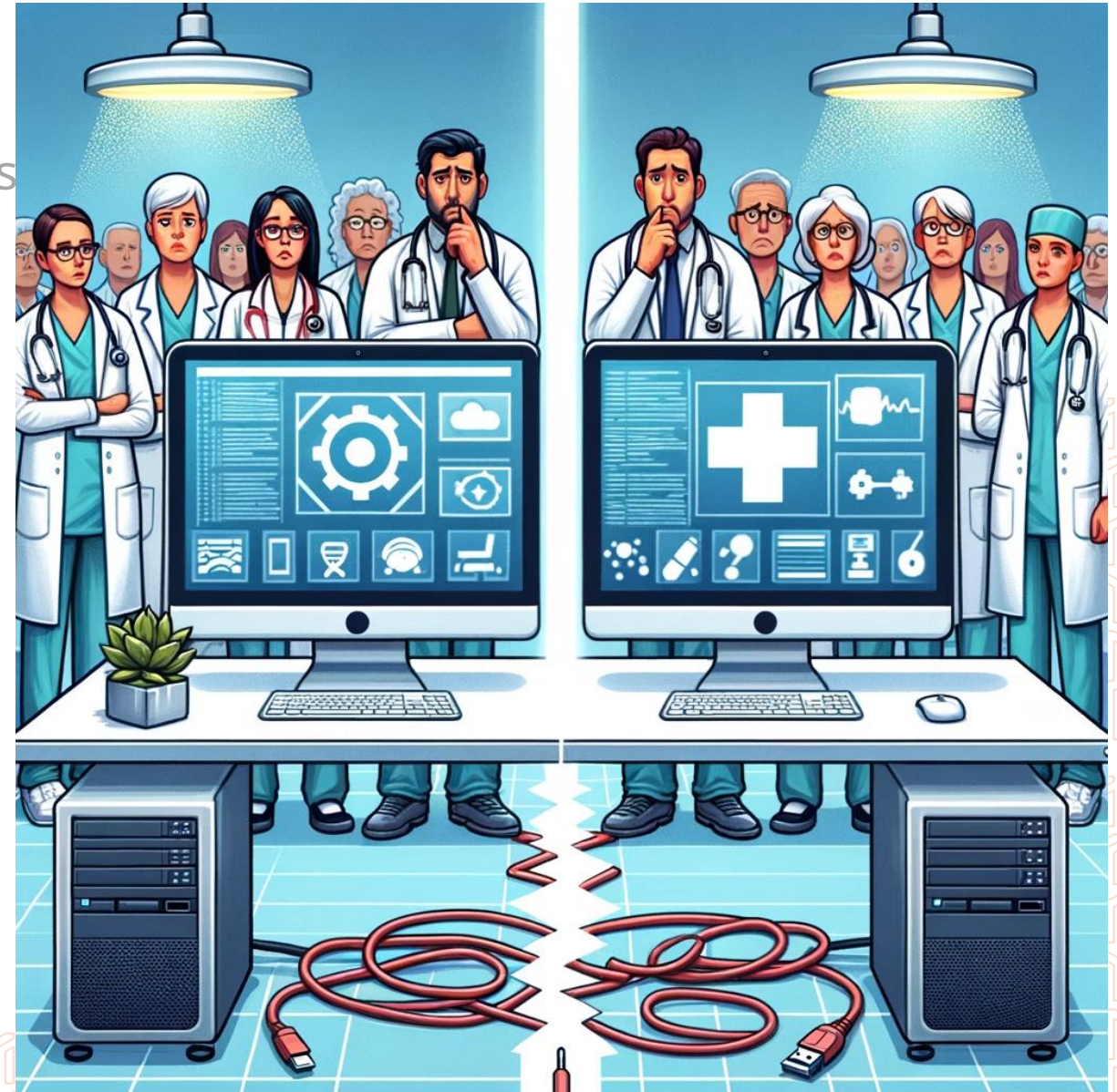
Medisch  
Spectrum  
Twente

# Lack of Digital Interoperability and technology development

Slow introduction of technology in hospitals

Privacy issues of personal data

Dependency of companies and hospitals



Medisch  
Spectrum  
Twente

# Digital Interoperability

Hub support:

Engage ICT and connect with software companies

Health Care Professionals take the lead

Connect HCP with experts in MDR



Medisch  
Spectrum  
Twente

# Innovation hub Medisch Spectrum Twente



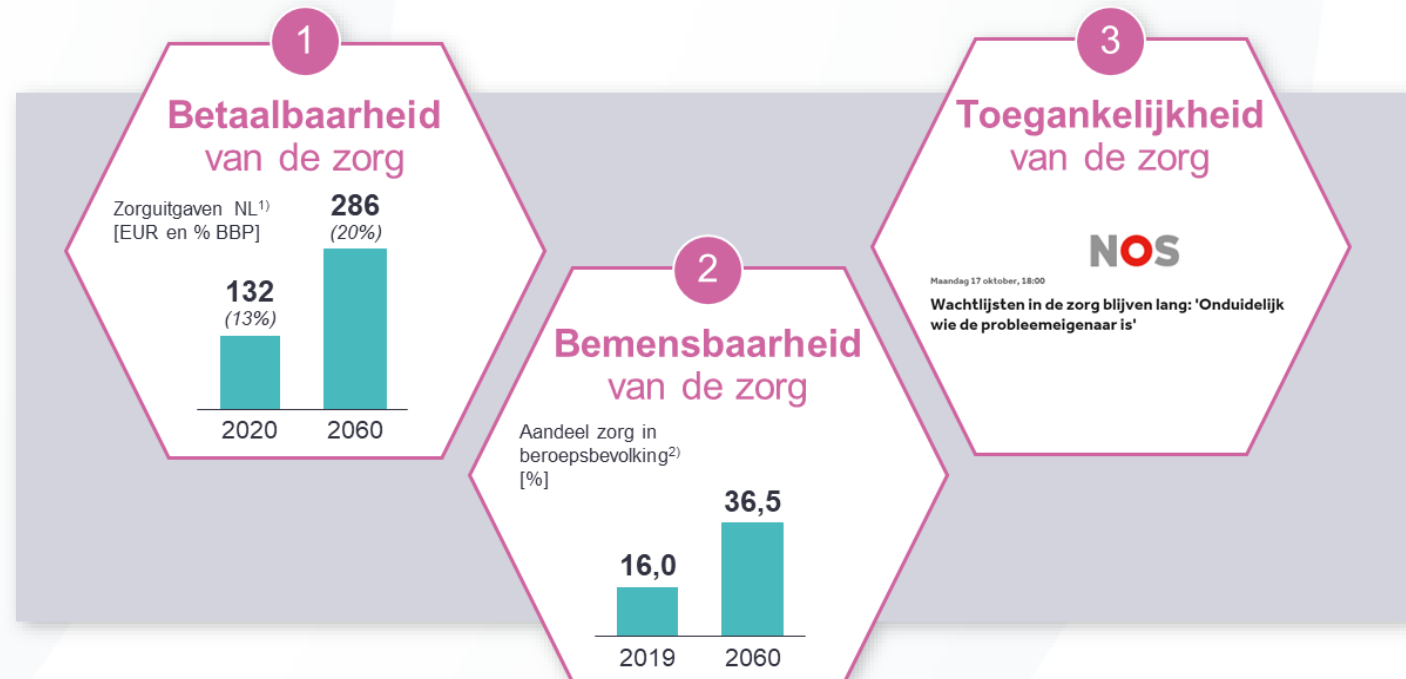
**MST**

Medisch Spectrum Twente  
een santeon ziekenhuis

# Our goal:

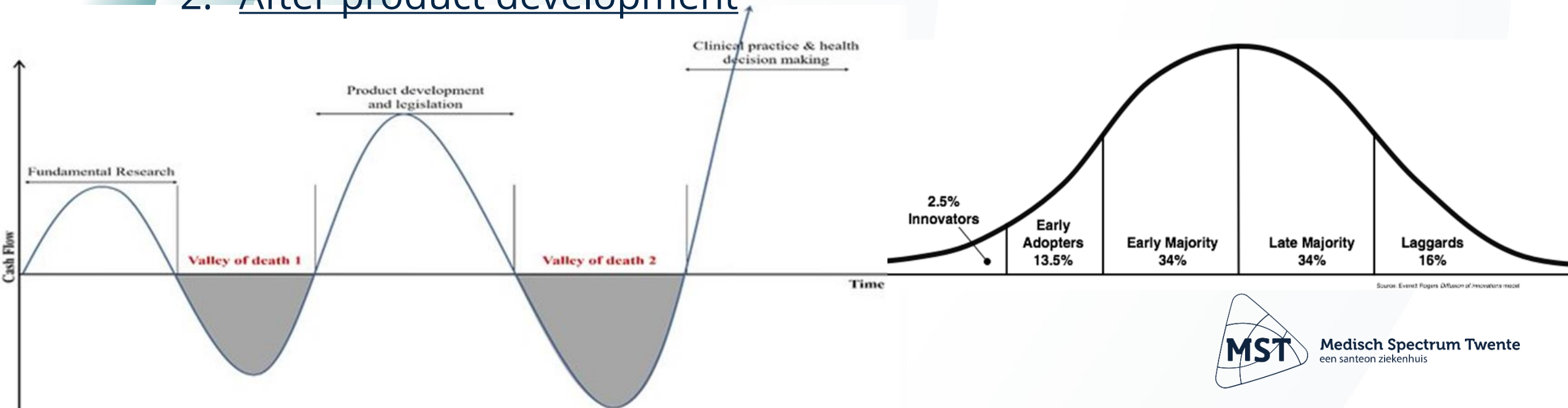
Find solutions for:

1. Increasing cost of healthcare
2. Increasing workload with less health professionals
3. Healthcare availability



# Why innovation hub?

- 95% of innovations never reach clinical practice
- Potential cause: Valley of death
  1. After fundamental research
  2. After product development



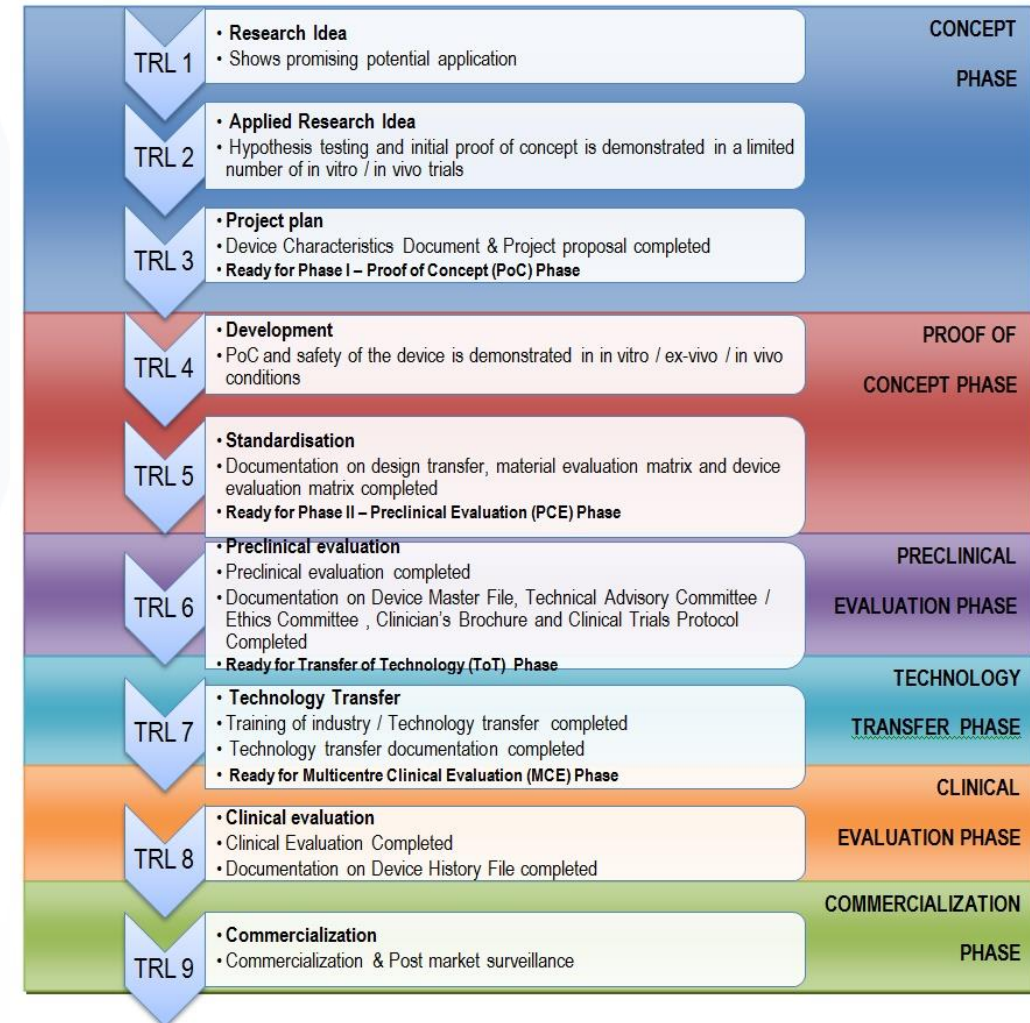
# Our role:

- A funnel and filter for 'lost' initiatives
- Network function within MST and other hubs



# Internal role:

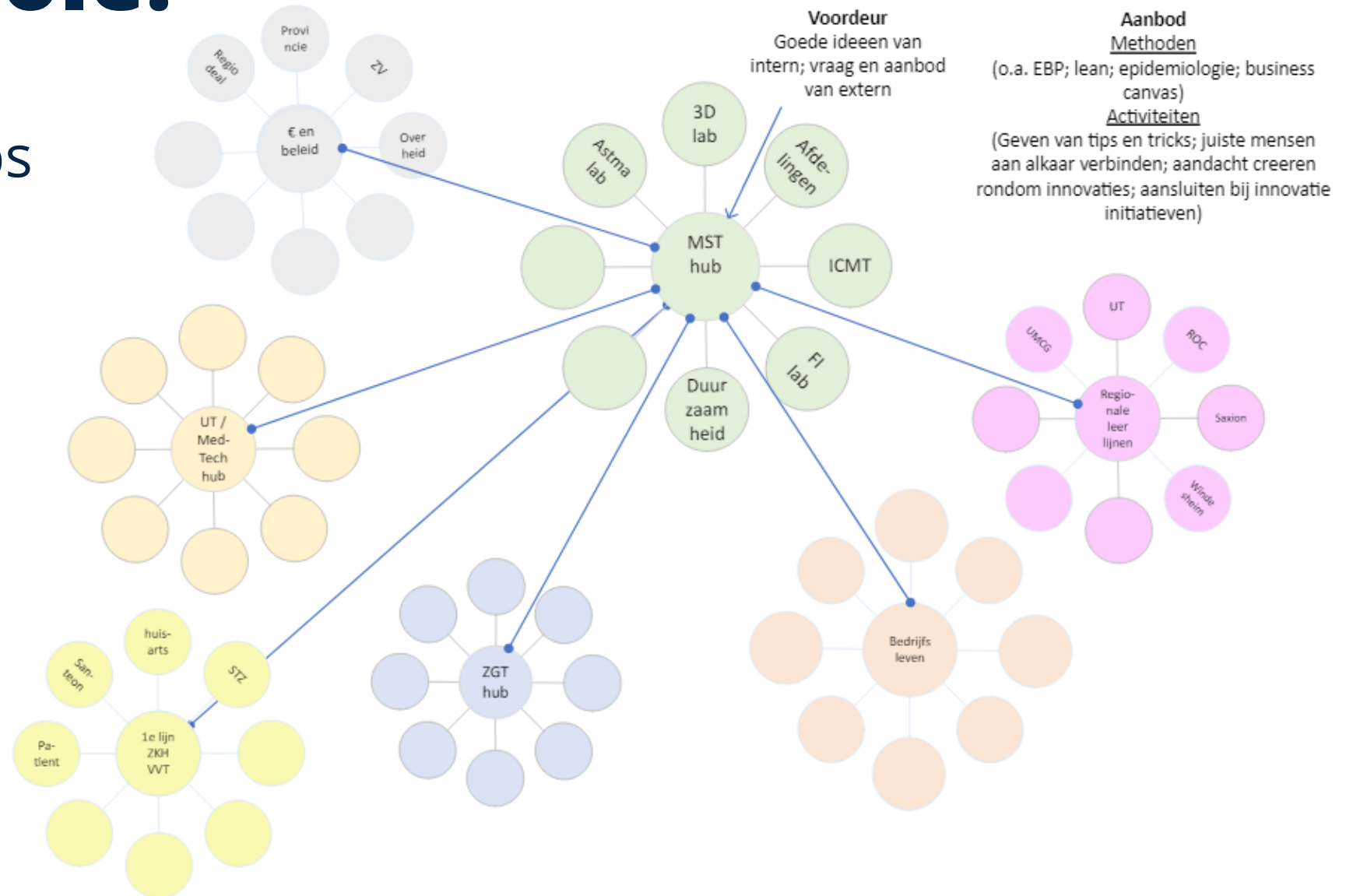
- Guiding initiatives of colleagues
  1. Filtering:
    - Which relevant problem does it solve?
    - What is the (collateral) impact of the initiative?
  2. Referral:
    - TRL>8: internal routes
    - TRL<8: external partners (scientific or business)





# External role:

- Connecting hubs
- Pilots
- Consulting



# MST innovation hub

Still under construction

- Physical room
- Setting boundaries



# What do you need?

Wooclap

<https://app.wooclap.com/INNOVATIONHUB>

- Distinction between researchers and business
- From your perspective, in your situation, how could innovation hub be of help?  
How could you benefit from an innovationhub in MST?





**THE** | SHAPING A  
**TECHMED** | HEALTHY  
**EVENT** | FUTURE

[TIME SESSION] | [SESSION TITLE] | [SPEAKER]