

# **THE NEED FOR INTERDISCIPLINARY RESEARCH AND MULTIMODAL CONSIDERATIONS**

**Hans Jeekel**

**Director of Research and Development  
AVV Transport Research Centre**

**- Interdisciplinary**

- **Interdisciplinary**
- **Multimodal**

- **Interdisciplinary**
- **Multimodal**

→ **Crossing Boundaries !**

# Building a research community

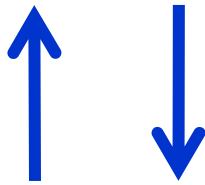


**Building a research community**

**Designing a research agenda**



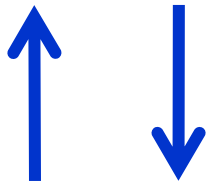
**Building a research community**



**Designing a research agenda**



**Building a research community**



**Designing a research agenda**

**An example: TRANSPOLYS**



# Building Research communities

**Necessary steps:**

**1. linking professionals**

# Building Research communities

**Necessary steps:**

- 1. linking professionals**
- 2. linking disciplines**

# Building Research communities

**Necessary steps:**

- 1. linking professionals**
- 2. linking disciplines**
- 3. linking research domains**

# Building Research communities

**Real research communities consisting of:**  
**- a number of professionals**

## **Building Research communities**

**Real research communities consisting of:**

- a number of professionals**
- with different disciplinary backgrounds**

## **Building Research communities**

**Real research communities consisting of:**

- a number of professionals**
- with different disciplinary backgrounds**
- working in interlinked but different research domains**

## Research agenda

**Not very helpful:**

**Agenda only along the modes (rail, road, public transport)**

**More helpful:**

**Agenda along real questions**

# Research agenda

**Agenda along real questions:**  
**- realising sustainability targets**



# Research agenda

## Agenda along real questions

- realising sustainability targets
- creating an innovative climate in transport

# Research agenda

## Agenda along real questions

- realising sustainability targets
- creating in innovative climate in transport
- bringing social awareness in transport issues

# Research agenda

## Agenda along real questions

- realising sustainability targets
- creating in innovative climate in transport
- bringing social awareness in transport issues
- creating possibilities for real consumer choices in transport

# Research agenda

## Agenda along real questions

- realising sustainability targets
- creating in innovative climate in transport
- bringing social awareness in transport issues
- creating possibilities for real consumer choices in transport
- bringing the experiences of enterprises into transport policy

## Research agenda

### Agenda along real questions

- realising sustainability targets
- creating an innovative climate in transport
- bringing social awareness in transport issues
- creating possibilities for real consumer choices in transport
- bringing the experiences of enterprises into transport policy
- instruments to create sound transport policies  
(TRANSPOLYS)

# TRANSPOLYS

## **Objective:**

**Developing tools to build a flexible but coherent system for policy design, policy impact assessment, monitoring and evaluation across Europe.**

# TRANSPOLYS

## Participants:

### 10 transport institutes

- **AVV Transport Research Centre, The Netherlands**
- **Transport Research Centre CDV, Czech Republic**
- **Institute for Transport Research (DLR/IVF), Germany**
- **Danish Transport Research Institute (DTF), Denmark**
- **Hellenic Institute of transport (HIT), Greece**
- **Institute for Transport Sciences (KIT), Hungary**
- **Politecnico di Torino (POLITO), Italy**
- **Institute of Transport Economics (TÆI), Norway**
- **Universidad Politécnica de Madrid (UPM), Spain**
- **Technical Research Centre of Finland (VTT), Finland**

# TRANSPOLYS

## **Necessary I:**

### **Building a research community**

- **Linking professionals**

  - 50 to 80 professionals involved in 10 countries**

- **Linking disciplines**

  - Modelling expertise, social scientists, policy analysts, traffic and transport**

- **Linking research domains**

  - Policy analysis**

  - Monitoring**

  - Pricing mobility**

- **Creating a research agenda**

  - Basis for the draft agenda is the policy cycle**



# TRANSPOLYS

## **Necessary II:**

### **Creating a network organisation**

- ECTRI as a platform to build**
- Network of excellence as a form to follow**
- Management of the expertise of the 10 institutes**

**An interesting Road ahead !**