

WHY RESEARCH BENEFITS
FROM A DIVERSITY OF
VIEWPOINTS



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Disciplinary

Multidisciplinary

Interdisciplinary

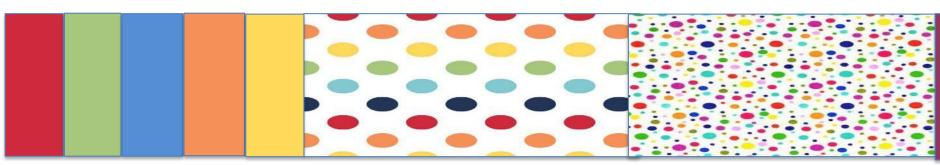
Transdisciplinary











SO BRAD, WHY SHOULD TRANSPORT RESEARCHERS CONSIDER OTHER DISCIPLINES?



Transport Problems Are Complex

- Systems of systems
- People and their lived experiences are central
- Place is important context matters
- Technology is evolving
- Environment shapes and is shaped by our interactions





Transport Problems Are Applied

Our problems persist & are intertwined

We want to have an impact

Knowledge transfer and mobilization are needed

 Interactions with industry, agencies, and communities

 Our solutions can create problems for others

Transport Research Needs Theory

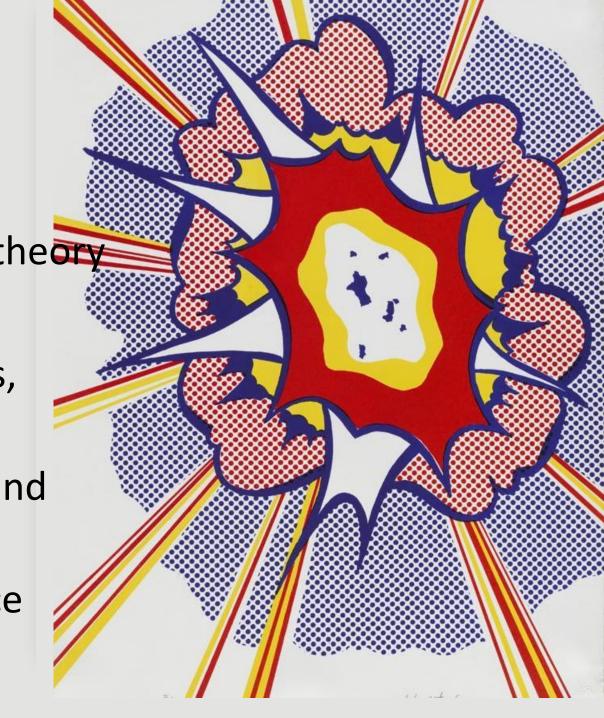
More focused on application than theory

Data are a social construct

 Need to examine our values, biases, blind spots, and approaches

 Helps us to understand the world and the connections

Results in better research & practice



What Can Change When You Add Disciplines?



- Problem framing expands or changes
- Theories broaden
- Assumptions are challenged
- Language changes
- Methods diversify
- Outputs integrate
- Creates new knowledge
 & understanding

Multidisciplinary

Family Households

Multi-Generational-Family Households



2+ Person, Non-Family Households





Multiple-Family Households



Family Households with Additional Persons





Single-Person Households







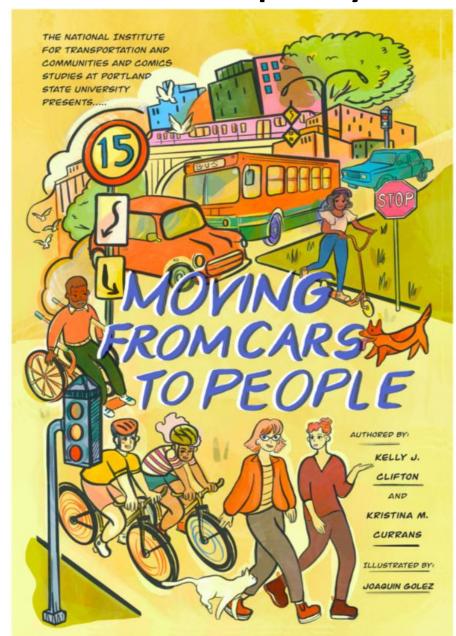
Family Households + Live-In Servants



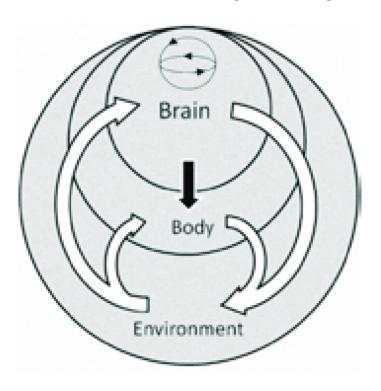




Interdisciplinary

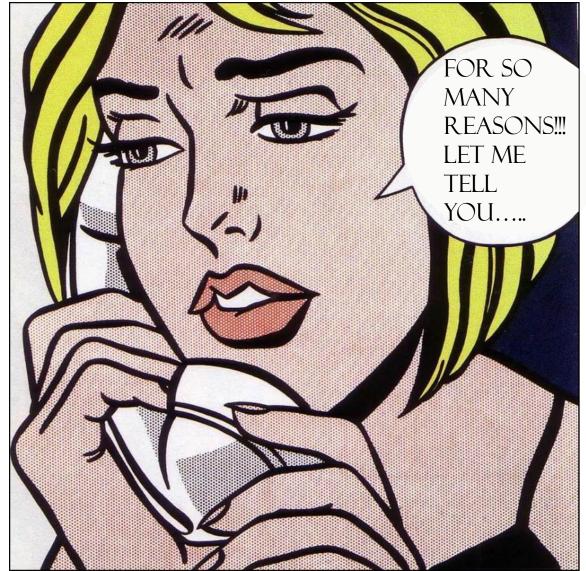


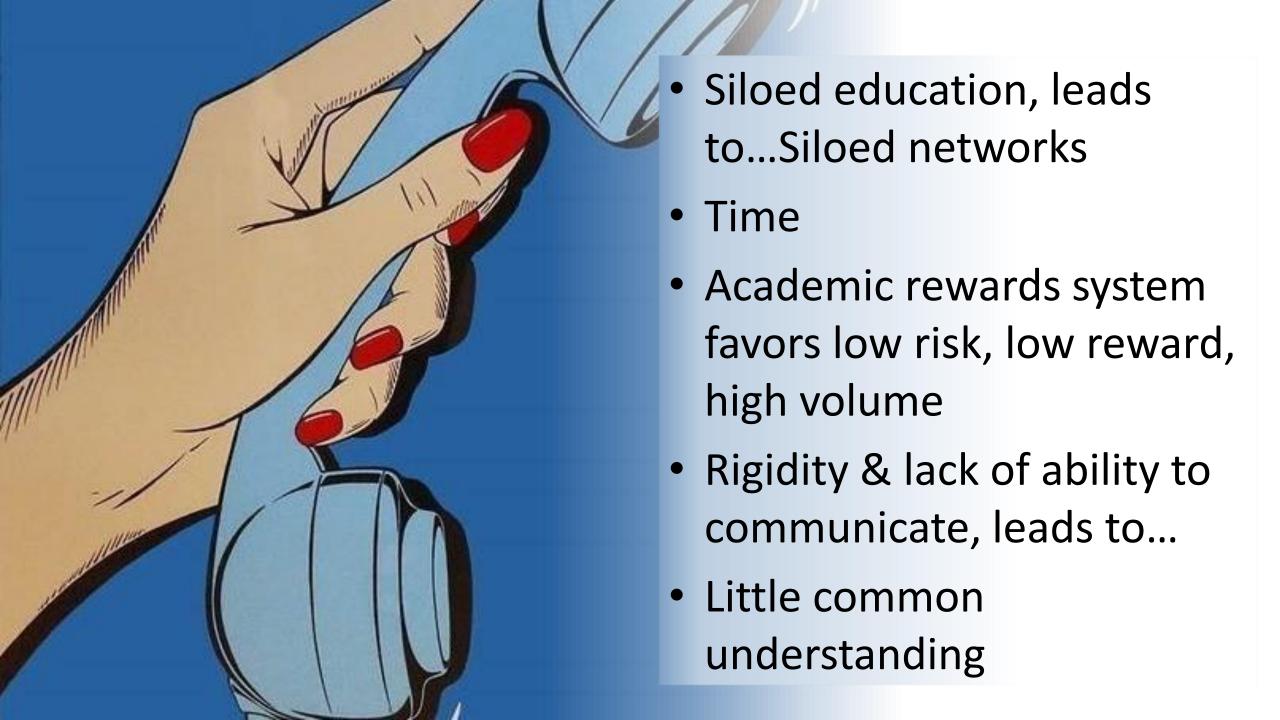
Transdisciplinary











Pitfalls

- Lack of common scientific language
- No common goal
- Being impatient/Quitting early
- Closed to new thinking
- Not contributing thinking you have nothing to offer

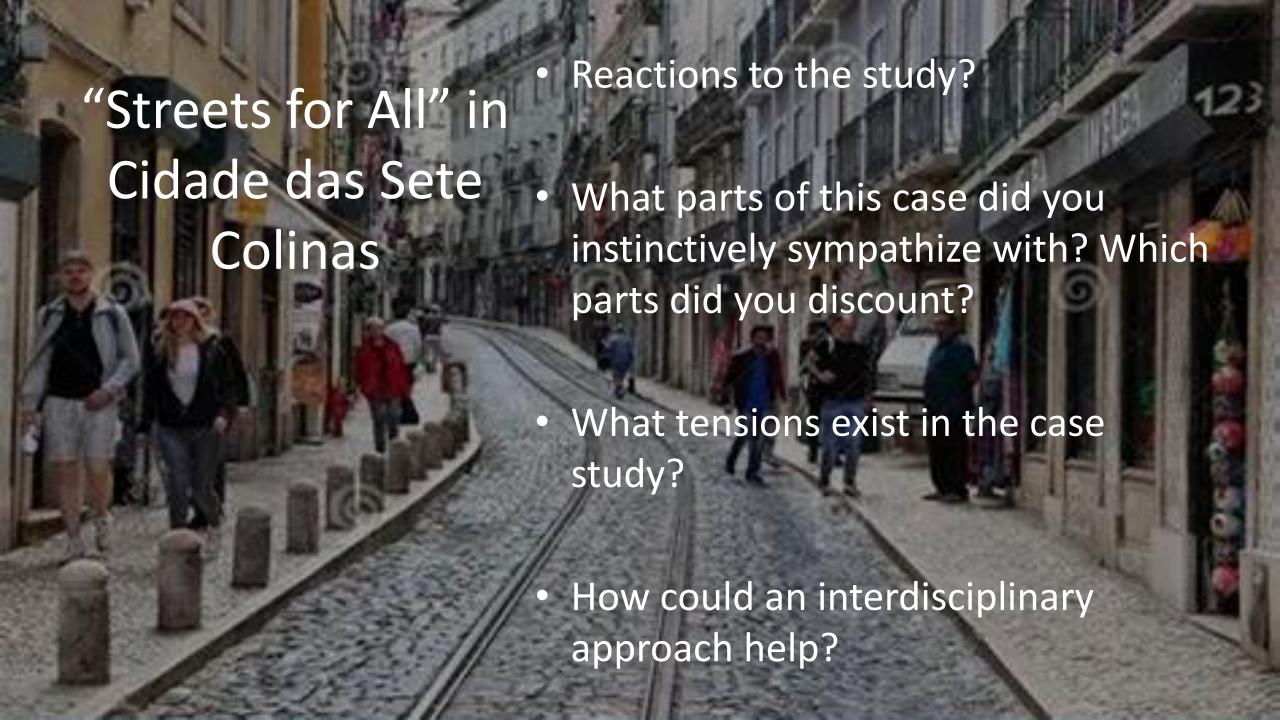




BUT WHAT ABOUT
ME? AREN'T I
BECOMING AN
EXPERT IN A SPECIFIC
DISCIPLINE?

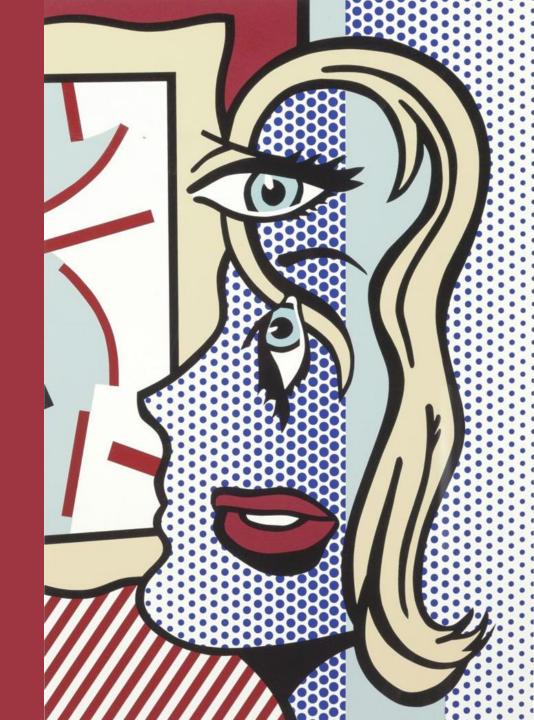
- Need for deep expertise
- Bring your training and lived experience
- Be an ambassador for your perspective
- Also, be open to learning
- Collaborations are key





Where to Start?

- Sit in on a course/seminar outside of your discipline
- Attend/present your work at a conference outside of transport
- Draw on your own lived experience
- Listen and observe how does this connect to my work?
- De-center transportation
- Collaborate with and build on your DTN Network



Obrigada!

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Moving from Cars to People Comic

