

Smart Specialisation in Rural Areas

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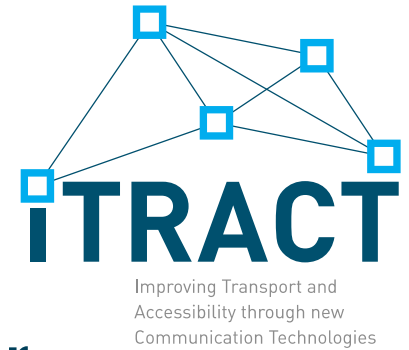


The Interreg IVB
North Sea Region
Programme



*Investing in the future by working together
for a sustainable and competitive region*

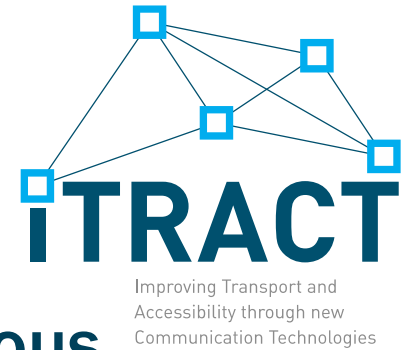
Smart specialisation in rural areas



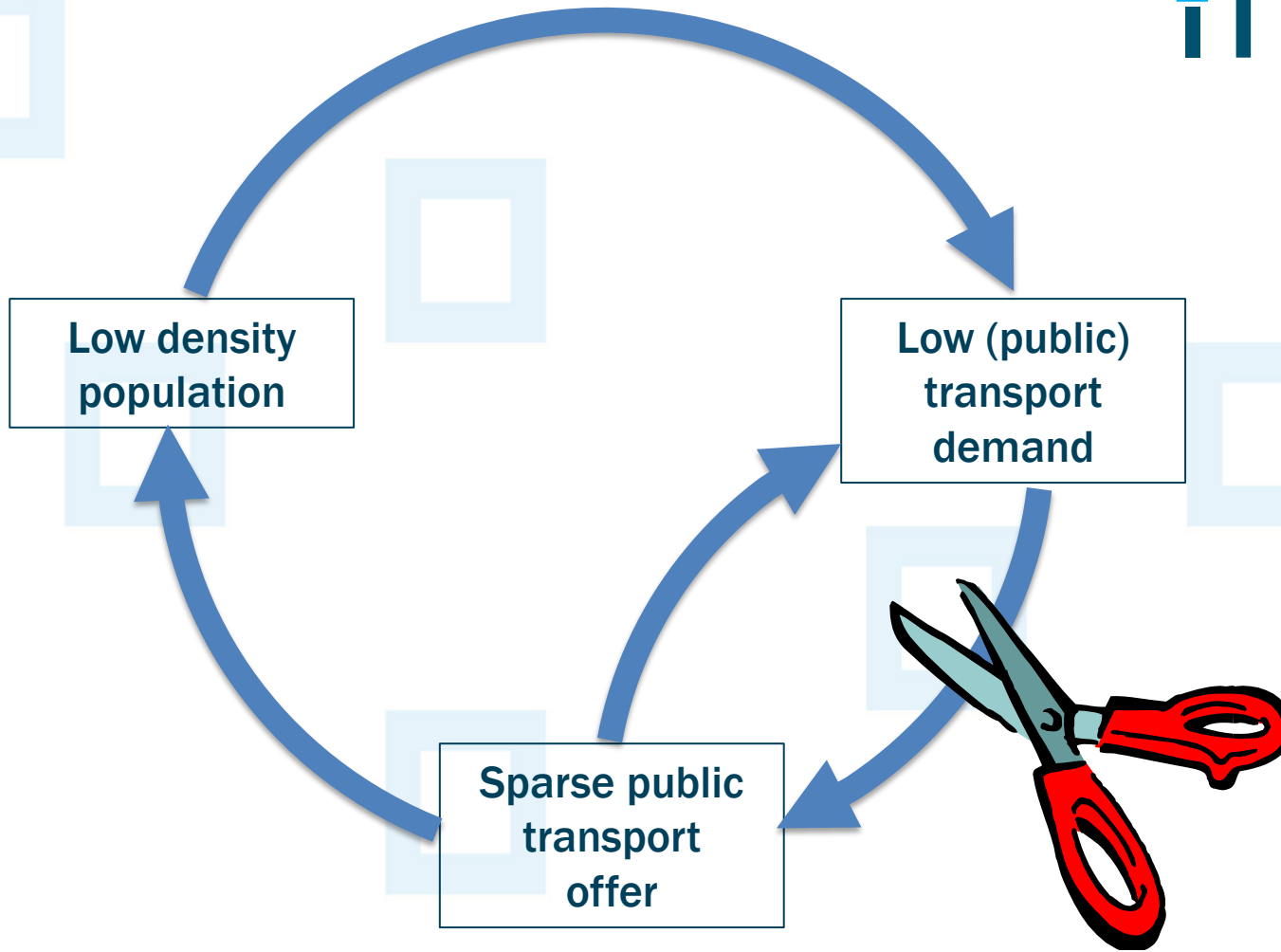
- ❑ **Ambition of the project: ICT solutions for improving transport and accessibility of rural areas**
- ❑ **16 Partners**
- ❑ **5 countries Sweden, Norway, Germany, UK, The Netherlands**
- ❑ **Transport authorities, transport companies, local and regional governments, universities**
- ❑ **3 years**



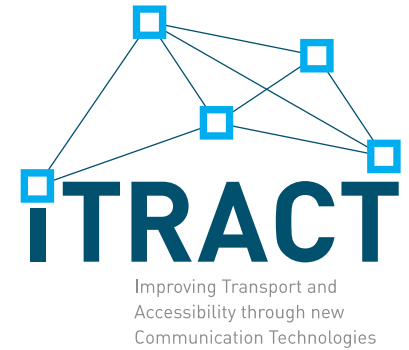
The future of smart mobility



- ❑ Gelderland starts in 2015 with autonomous vehicles
- ❑ Driver-less cars and busses
- ❑ Economy of sharing: Uber(Pop), AirBnB, Peerby
- ❑ Decrease of private car ownership already happening in cities (US)
- ❑ Blurring distinction between public and private transport
- ❑ Anytime, anywhere, any size
- ❑ Technology mostly ready
- ❑ Progress hinges on ethical and societal dilemma's



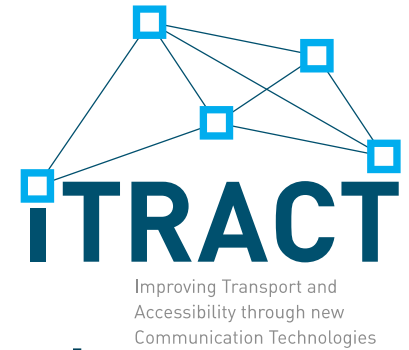
Vicious cycles of rural transport



- ❑ Few people living; few people using transport; few public transport offerings; less attractive to live and work
- ❑ Cutting vicious cycle
- ❑ Smarter use of information leads to smarter transport services
- ❑ Smarter transport services offer better service levels in rural areas
- ❑ Smarter transport services have positive impact on liveability and economy of rural areas



What users want



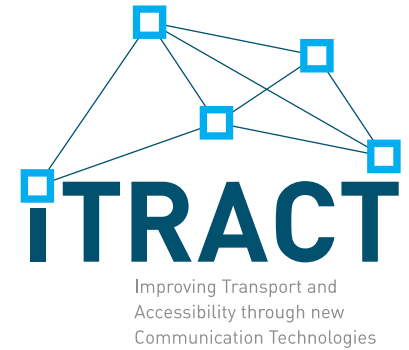
- ❑ Ask them, but
- ❑ Marshall McLuhan: Rearview mirror paradox
- ❑ Difficult to know what does not yet exist
- ❑ Interactive, iterative, and explorative process of innovation:
 - ❑ Creating balance between ‘what is valuable’ and ‘what is possible’; co-creation
 - ❑ User empowerment: inviting users to express their interests
 - ❑ Design thinking:
 - ❑ Personas & user stories
 - ❑ Show what is possible





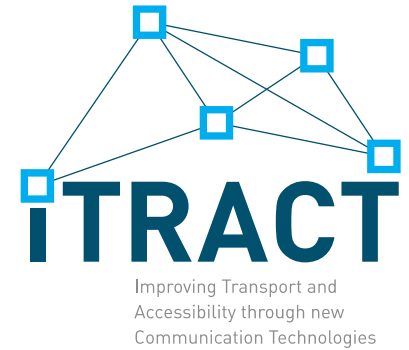
The innovations

- ❑ 40 new applications
- ❑ Personalised & Adaptive
- ❑ Reactive: using real time information
- ❑ Integrating domains
 - ❑ Public & private
 - ❑ Geography: Regions; countries
 - ❑ People and goods
- ❑ Clusters
 - ❑ Travel planning (multimodal ridesharing and public)
 - ❑ Travel updates (traffic jams, delays)
 - ❑ Monitoring and optimising
- ❑ Staff support (connection helper)
- ❑ Insight behaviour & change





The elephant in the room



- ❑ John Carr (Yorkshire Dales):
The elephant in the room
- ❑ Assuming ICT as solution for transport in rural areas...
- ❑ ...where digital infrastructure is often hardly available

- ❑ New technology (4G, 5G)
- ❑ Government interference
- ❑ Compounded business models

- ❑ No smart solutions without digital connectivity

THIS IS HOW I FEEL...

WHEN I GOT A SMARTPHONE!

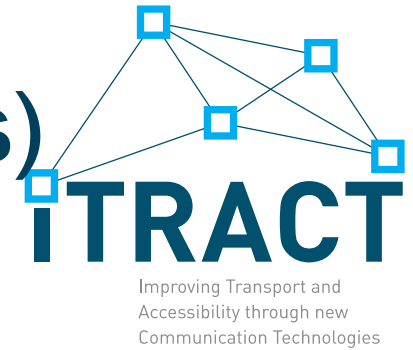
Digital maturity (ability)



- ❑ **Elderly, disadvantaged less often car owners:**
target groups
- ❑ **Some of these target groups are not used to IT,**
including smart phones, Internet, Facebook,
Twitter, etc.: digital divide
- ❑ **Creating ICT based solutions deepens the**
digital divide
- ❑ **Very personalised approaches to engage less**
digitally mature



Social innovation (willingness)

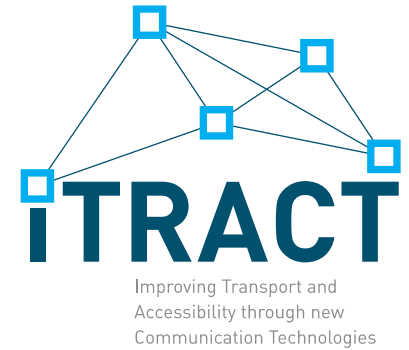


- ❑ Community thinking: ridesharing
- ❑ Changing behaviour: plan and share; not 'just go'
- ❑ Matching demand and supply

- ❑ When government retreats; communities need to step up
- ❑ Organising social innovation
 - ❑ Leaders
 - ❑ Doers
 - ❑ Training



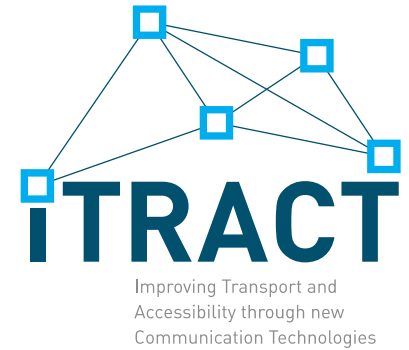
IT maturity (ability)



- ❑ Vision on what is needed and possible with ICT
- ❑ Set targets and reserve funds
- ❑ Source the right ICT
- ❑ Be a good principal
- ❑ Shared Competence Center?



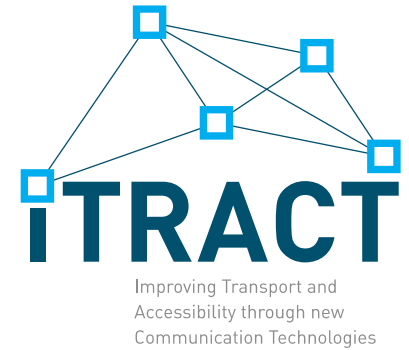
Mandate (willingness)



- ❑ **Optimal solutions may span:**
 - ❑ **Public and private transport**
 - ❑ **Different transport authorities:**
 - ❑ **Regions**
 - ❑ **Countries**
 - ❑ **Rural and urban**
 - ❑ **Different transport operators**
- ❑ **Who is driving the vision, ambition, change?**
- ❑ **Need for transcending vision and direction**
- ❑ **Government assignment?**



When things don't go as planned



- ❑ Did we fail?
- ❑ Things we did not anticipate
 - ❑ Connection Users and Technology
 - ❑ IT development
 - ❑ Communication infrastructure
 - ❑ Digital Literacy
 - ❑ IT maturity of involved organisations
- ❑ What did ITRACT bring us; what will the future bring us?
- ❑ The top still beckons, project results and other developments (Uber, Google Transport, etc.) support the ambitions
- ❑ Need for more collaboration to reach the top?