Accessibility Instruments for Planning practice in Europe

TU1002

Start date: 06/10/2011
End date: 05/10/2014
Year: 3

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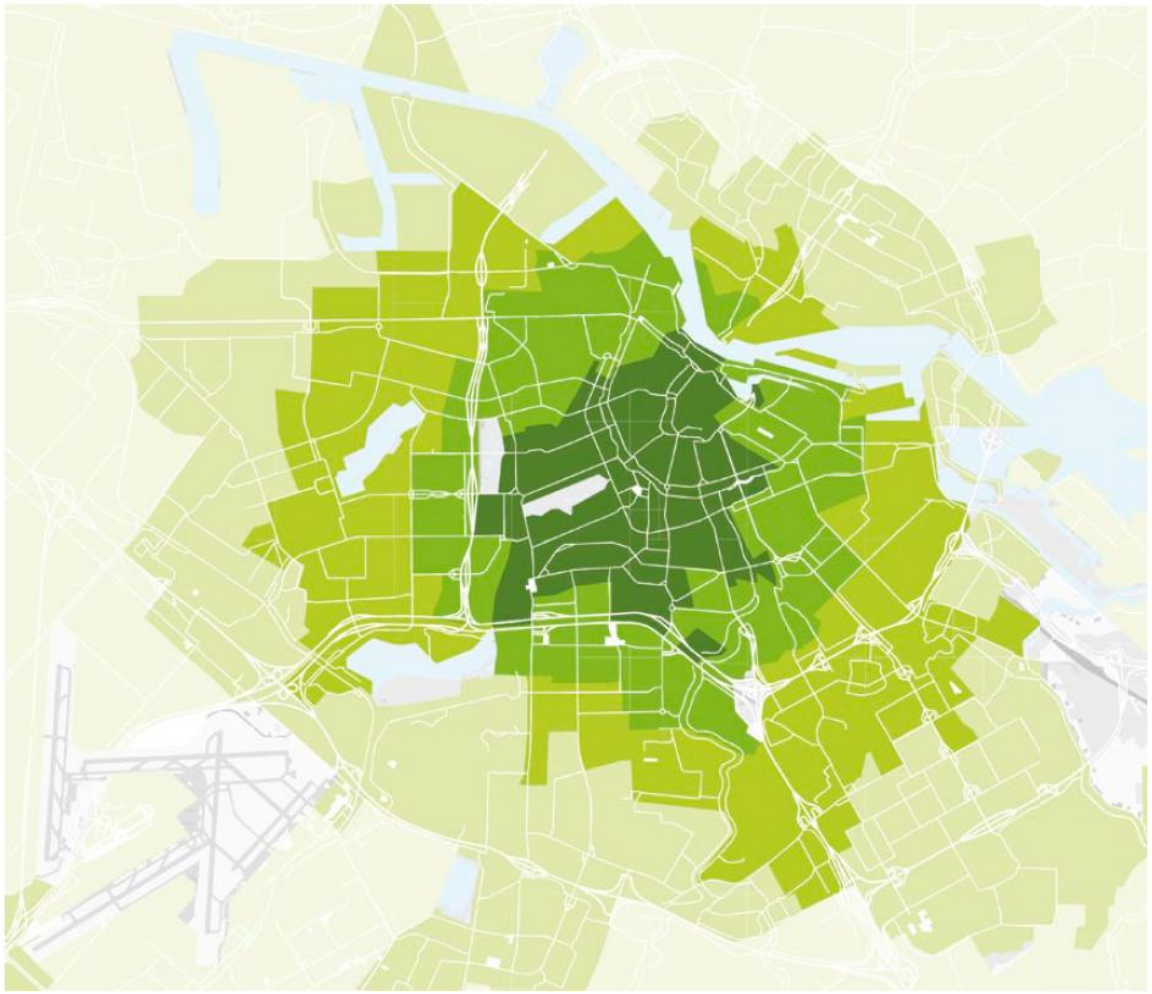
Background

- **Increasing mobility problems** in urban areas:
  - Congestion
  - Environmental damage
  - Safety, noise, other externalities
- However, **mobility important aspect** for people and businesses
- Not mobility per se, but **taking part** in **activities** is essential
- Transport and urban planners should aim for **improved accessibility**

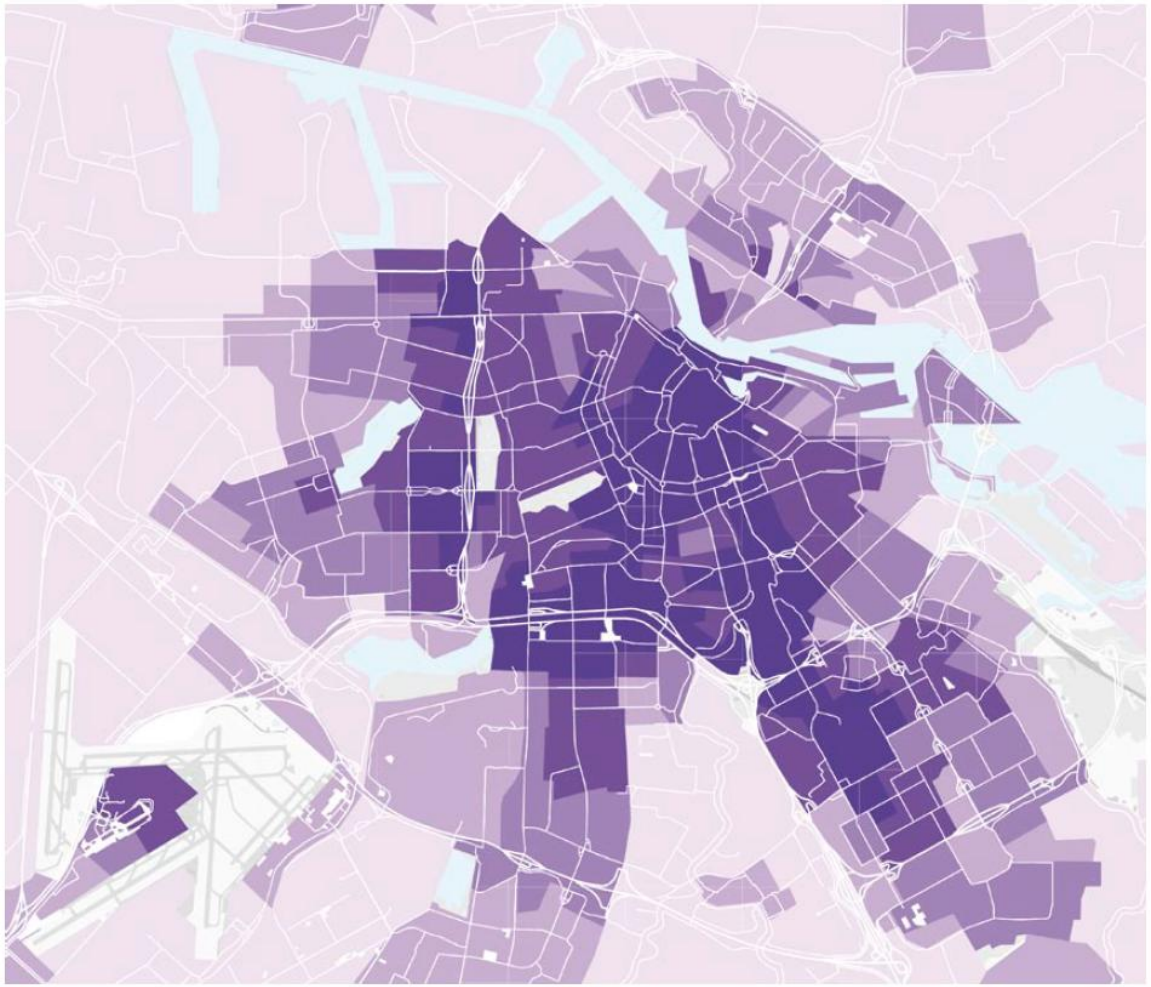
- **Accessibility:**
  - The number and diversity of **relevant activities** that can be **reached** within an **acceptable travel time/cost** from a **given location**
  - By walking, cycling, public transport, car

Accessibility by bike (people and jobs within 30 minute travel)



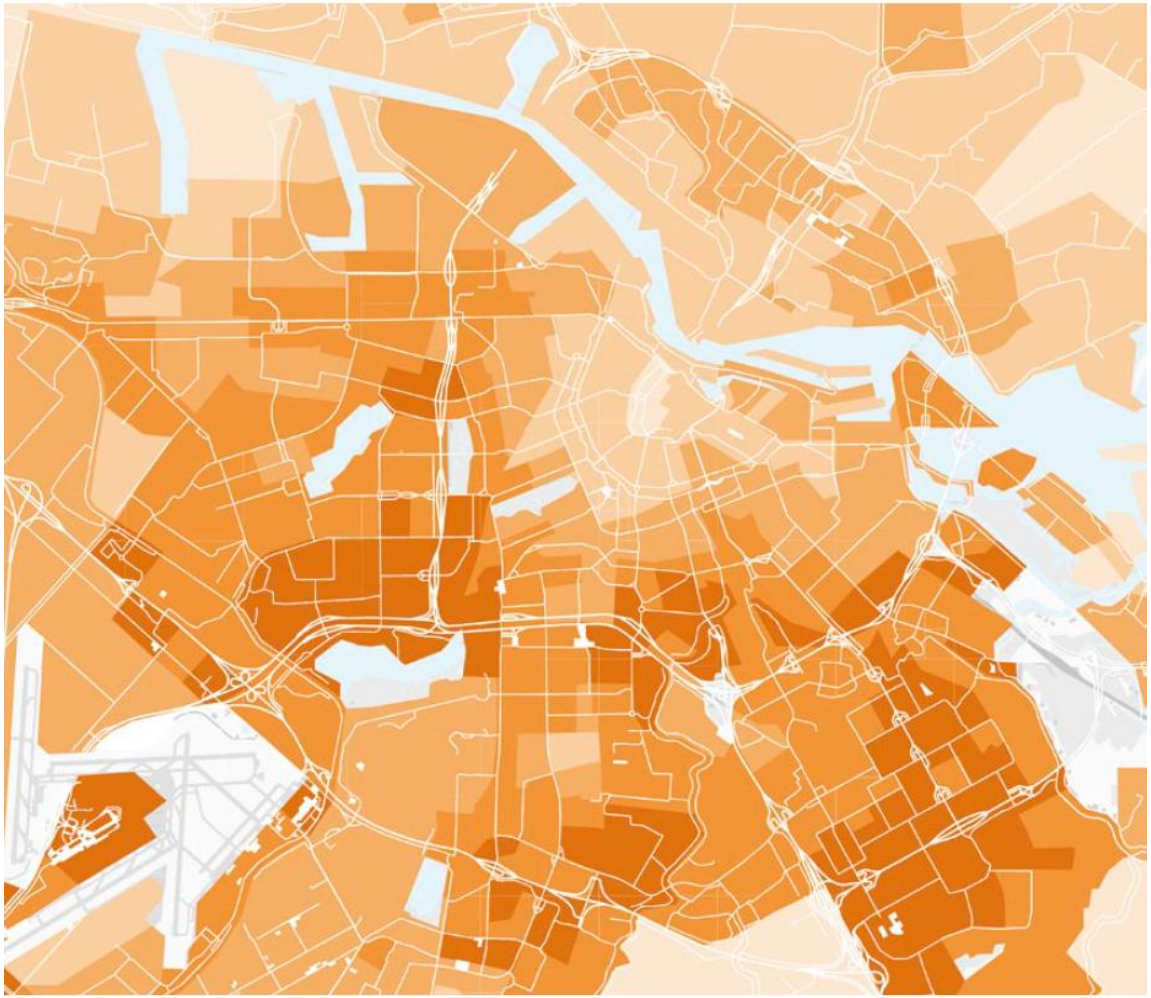
(dIVV Amsterdam)

Accessibility by public transport (people and jobs within 30 minute travel)



(dIVV Amsterdam)

Accessibility by car (people and jobs within 30 minute travel)



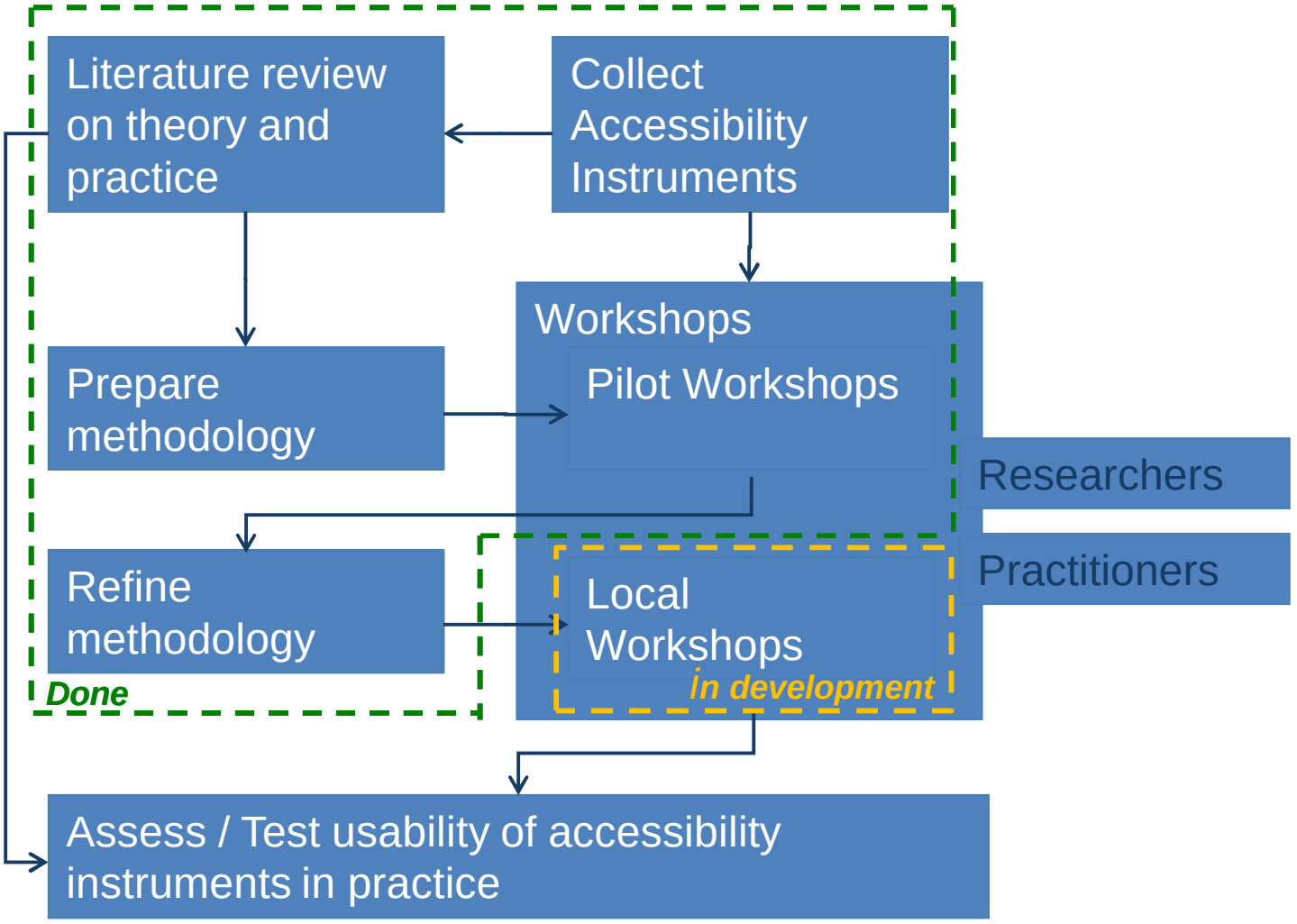
(dIVV Amsterdam)

- **Potentially valuable planning instrument:**
  - For **integrated spatial** and **mobility** strategies/plans
  - To support creating new (and using existing) **sustainable development opportunities**
- **Much academic research; application lagging:**
  - **Same** as many other **planning support instruments**
  - **Low implementation** rates in **planning practices**
  - Time to focus on **implementation gap**

Overall Objectives

- Gain insight into the **usability** of accessibility concepts in planning practice
- Act as a **catalyst** for the **effective implementation** of accessibility instruments in European planning practice
- Present **recommendations** to improve the **design** and **implementation** of accessibility instruments in planning practice

Scientific Approach

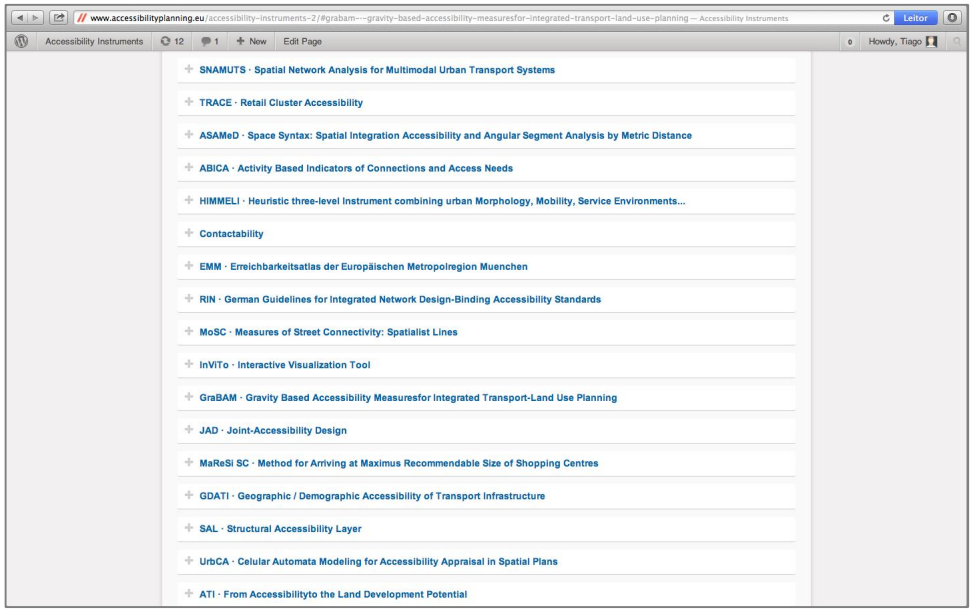


Last Year's Results: Made Accessible

Collection of Accessibility Instruments (Developers' View):

- **physically** and **digitally** available
- Accessibility Instruments' characteristics available at both summarized and extended forms
- Easily researchable according to one's scope and needs

www.accessibilityplanning.eu



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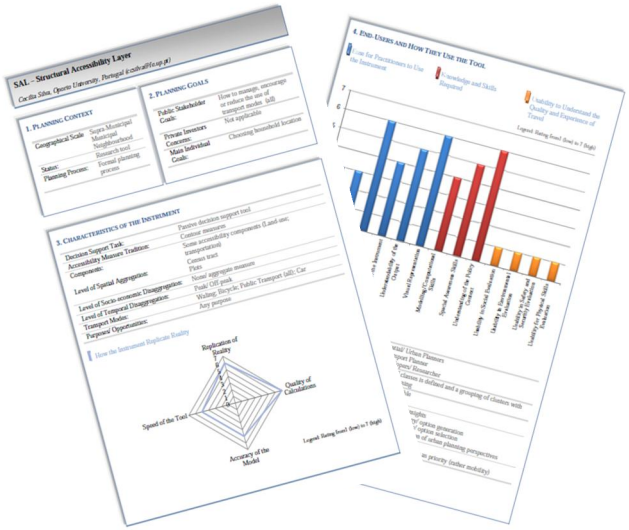

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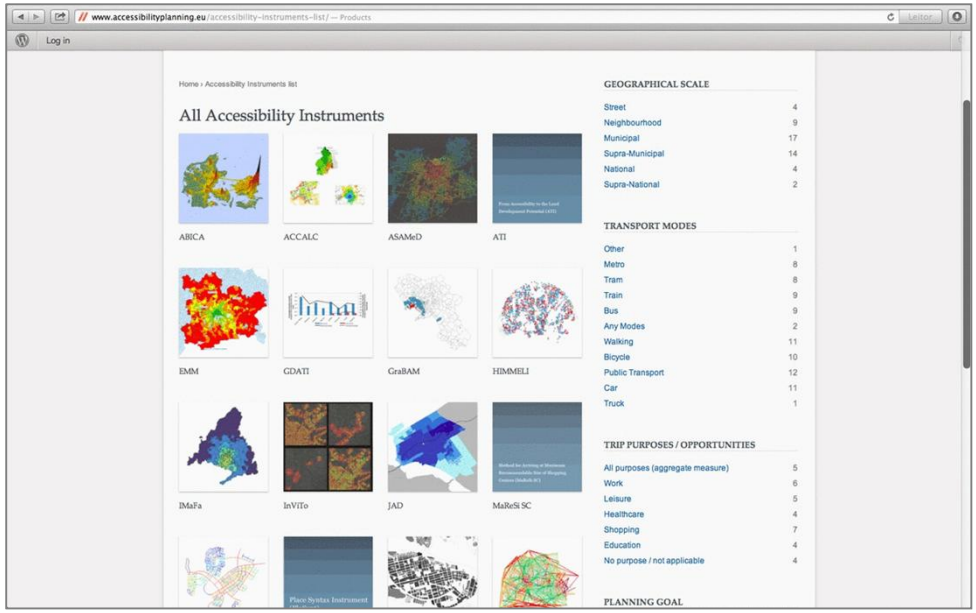


Current Year's Scientific Outcome

- √ Bring together **developers** and **practitioners** to use accessibility instruments in practice
- √ **Concern:** **uniform** performance across **different local workshops** around Europe

▼

- √ Develop local workshop **methodology**
- √ Test workshop methodology in **pilot cases** (Naples, Breda and Munich)

Naples, Italy (JRN)

Breda, The Netherlands

Munich, Germany

Local Workshop Methodology:

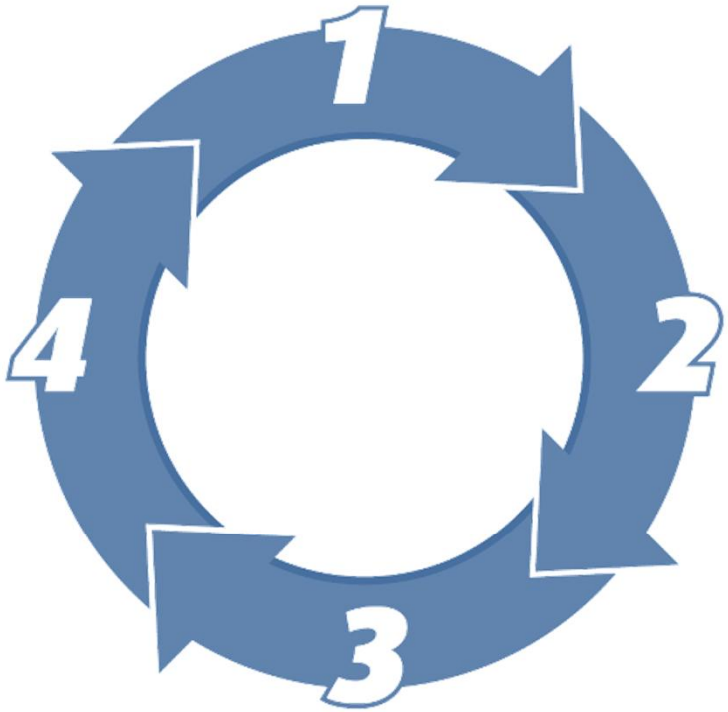
- **Practitioners perception of usability** is **central**

▼

- Perform an **experiential learning exercise:**
  - **Practitioners are not simply shown** a specific **accessibility instrument** and general abilities of the tool
  - **Practitioners must be involved** in an **exercise using the tools** provided in search of solutions for the planning problem at hand
  - The tool should also be used to test solutions found during the process (if possible) in real time

Overall Structure of Local Workshop Methodology:

Formulate planning goals and define criteria outcome

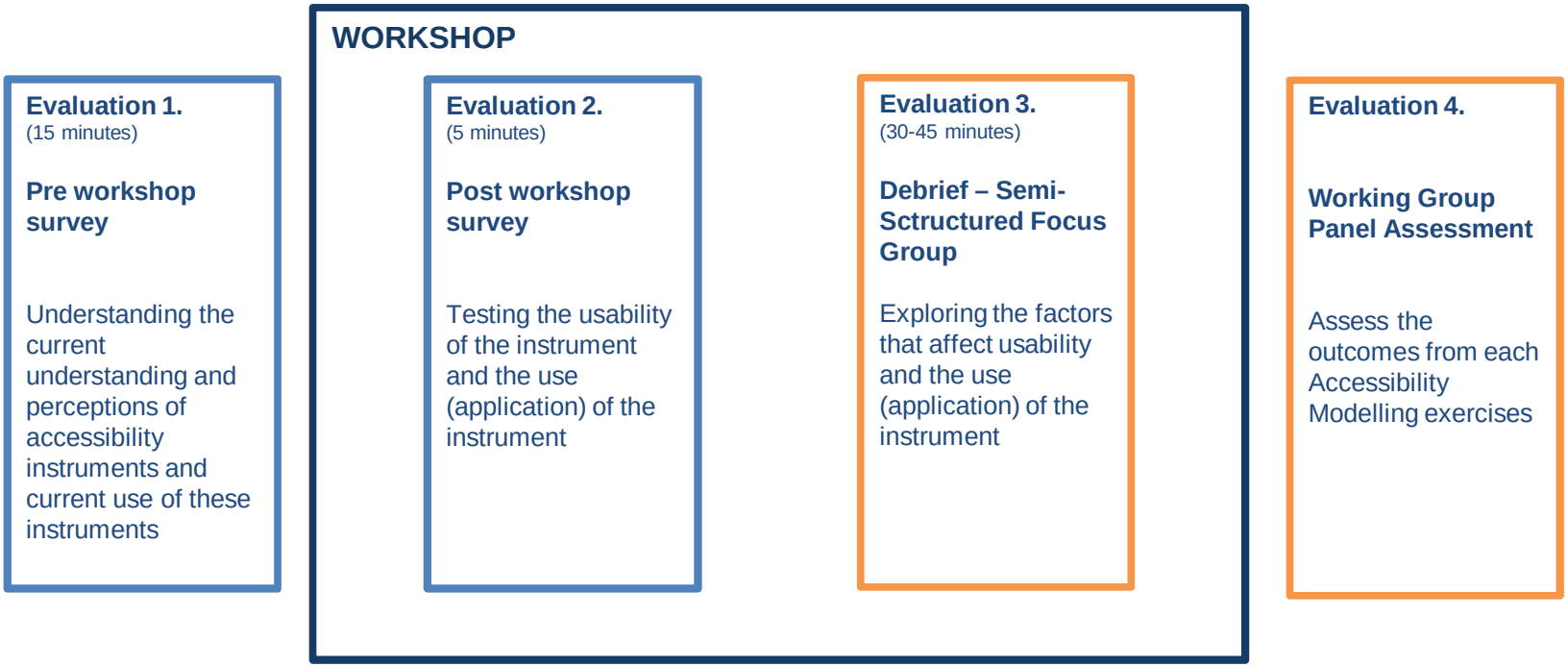


Analysis of current situation

Develop intervention strategies

Scan and evaluate effects on pre-defined criteria

Overall Structure Of the Evaluation:



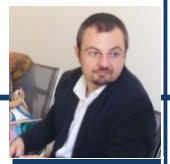
Local Workshops:

- At least one from each **Working Unit**
- Around **20 Local Workshops**

Current Year's Scientific Outcome: One Example

IT1 Workshop (Rome, 8th of May 2013)

8 people involved in the workshop:

	Public Bodies		Private
	Academia	Municipality	Private consultancies
Transport Planners	 Marco Petrelli  Marialisa Nigro	 Stefano Brinchi  Gianni Lanzuise	 Giovanni Acciaro  Roberto Dall'Alba
Land Use Planners	 Andrea Ceudech  Genoveffa Acampora		

Outline:

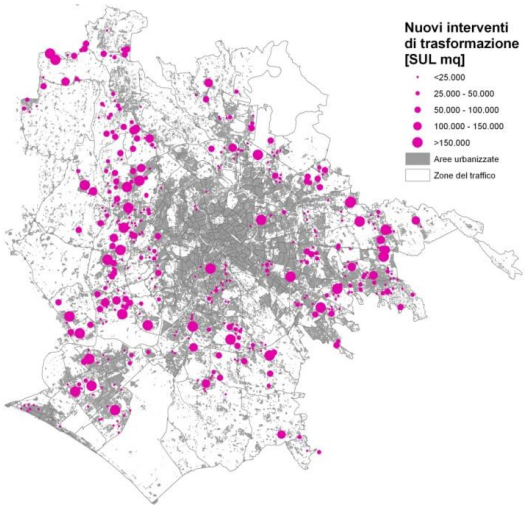
- Scenario presentation
- Scenario assessment
- Discussion

Current Year's Scientific Outcome: One Example

IT1 Workshop (Rome, 8th of May 2013)

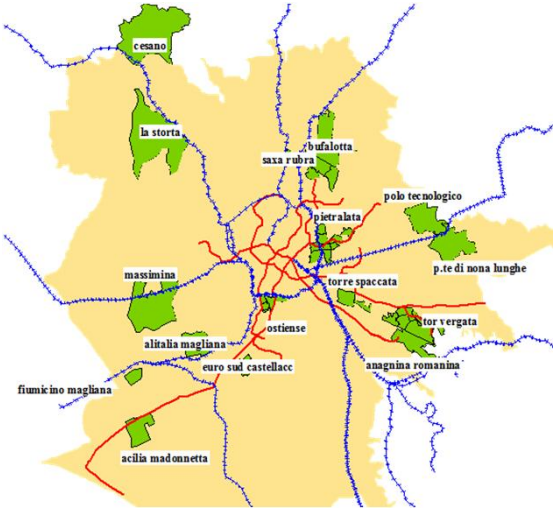
Presenting scenario:

- New development



- Public Transport

- TOD Policies

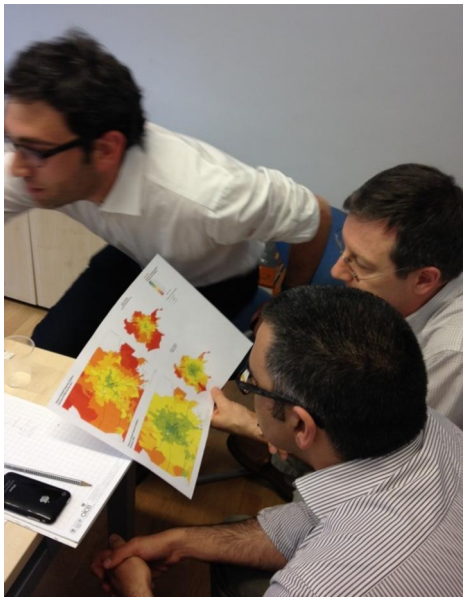


Current Year's Scientific Outcome: One Example

IT1 Workshop (Rome, 8th of May 2013)

Analyzing scenario:

- In terms of **accessibility measures**
- In terms of **other indicators** (e.g. travel times variations, population movements, …)

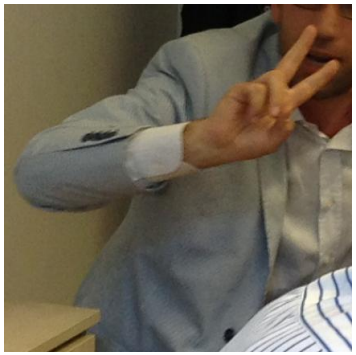
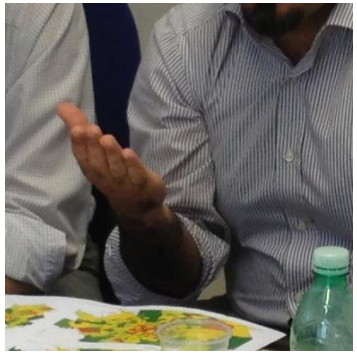
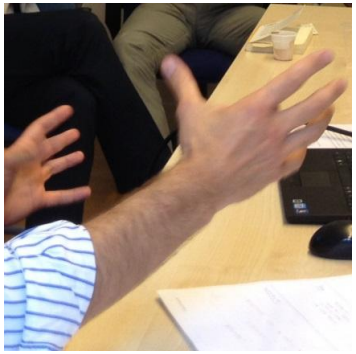


Current Year's Scientific Outcome: One Example

IT1 Workshop (Rome, 8th of May 2013)

Discussion:

- Simulation results achieved ► testing accessibility measures
- Comparing accessibility tool with the usual tools of analysis




Expected Impacts

Preliminary Results from Local Workshops:

- **Make available a collection of Accessibility Instruments** √
- **Bring Research and Practice closer together** √
  - Reflex of cooperation in Local Workshops √
- **Improve Accessibility Instruments** (existing and future)
  - Ideas for developers
  - Workshop methodology as standard practice for PSS development
- **Promote the use of Accessibility Instruments**
- **Promote Integrated Land Use and Transport Planning**
- **Facilitate mobility management towards more sustainable mobility**

Expected Impacts

Some emerging/provisional findings:

- A lot of enthusiasm, it fills a gap
- Even some direct impact (inclusions in plans, change of decisions)
- Transparent logic/assumptions
- Visualization/mapping/place
- Real time, ‘what if …’ response capability
- Facilitate interaction with the instrument, but most importantly among the participant
- Process key ingredient
- …

BUT, we have to analyse/verify further!!!

List of expected Outcomes:

- **Report 1** / **Collection of Accessibility Instruments**: **Made accessible**
  - Reports + Summary Sheets √
  - Accessibility Instruments' Interactive Search Engine √
  - Accepting new accessibility instruments (3 new instruments waiting for approval) √
- **Workshop Methodology** √
  - Final √
  - Pilot cases (Naples, Breda, Munich) √
- **Local Workshops** (***in development***)
  - Preliminary Results √
  - Final Results
- **Report 2** (***in development***)
- **Final Report**

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