



Curtin University

## TU1002 Accessibility Instruments for Planning Practice

# Workshop evaluation framework

Carey Curtis / Roger Mellor – Workshop evaluation framework

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CRICOS Provider Code 00301J

16/02/2012

# WORKSHOP

## Attitude / perception and current use based Measure

Measuring current **use** and **attitudes / perceptions** of accessibility instruments

### Pre workshop survey

(15 Minutes)

Current understanding & perceptions of accessibility instruments and current use of these instruments in practice

## Process Based Measure

Introduction to both case study Accessibility Models

### Participant observation

Recording the responses and understanding to the instruments and concepts developed through the use of the instrument during the workshop

## Process Based Measure

Testing the **usability** of the case study Accessibility Models

### Post workshop survey

(10 minutes)

Testing the usability of the instrument and the use (application) of the instrument

## Outcome Based Measure

Assess the **outcome** from each Accessibility Modeling exercise; Assessing process & urban form solution

### Participant debrief / Semi-structured Focus Group?

(30 – 45 minutes)

Exploring the factors that affect usability of the instrument and the use (application) of the instrument

### Expert panel debrief

Assess the **outcomes** from each Accessibility Modeling exercises

Measurement Type

Participant Activity

Workshop Facilitator Activity

# INSTRUMENTS WITHIN THE FRAMEWORK

## AN OVERVIEW

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# PRE WORKSHOP SURVEY

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*Measuring current use and attitudes / perceptions of accessibility instruments*

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# PRE WORKSHOP SURVEY

About the organization - Context - Organizational goals

Details of **actual accessibility models** (if any) that have been **used** in practice:

- **How** and **when** the instrument was used
- **Why** the instrument was selected
- How the **output** from the instrument was **used**
- What are the **factors limiting the use** of accessibility instruments

**Practitioners perceptions** of accessibility instruments:

- **What measures are useful** (e.g. Spatial separation / contour etc.)
- **What components** within the instruments are considered **useful in practice** (e.g. Land use / transport / Temporal (space/time) / Individual (behavior))
- What **dimensions** are important (e.g. Accuracy of data / ease of data collection)

## YOUR ORGANISATIONS USE OF ACCESSIBILITY TOOLS/MODELS

In the following planning actions, how often does your organisation use accessibility models in planning decision making?

<i>Accessibility instruments are used when developing;</i>	Always	In most cases	In some cases	In rare cases	Never	Planning action not undertaken by this organisation
Strategic city plans/visions – Urban structure (Metropolitan level)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Strategic city plans – Land use (Neighbourhood level)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Strategic transport plans – Public transport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Strategic transport plans – Motor vehicle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Strategic transport plans – Non-motorised	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network efficiencies for private vehicles	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network efficiencies for public transport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Network efficiencies for Non-motorised transport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Infrastructure provision plans (Prioritising)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Statutes to control land use – urban structure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Programs to encourage economic development	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

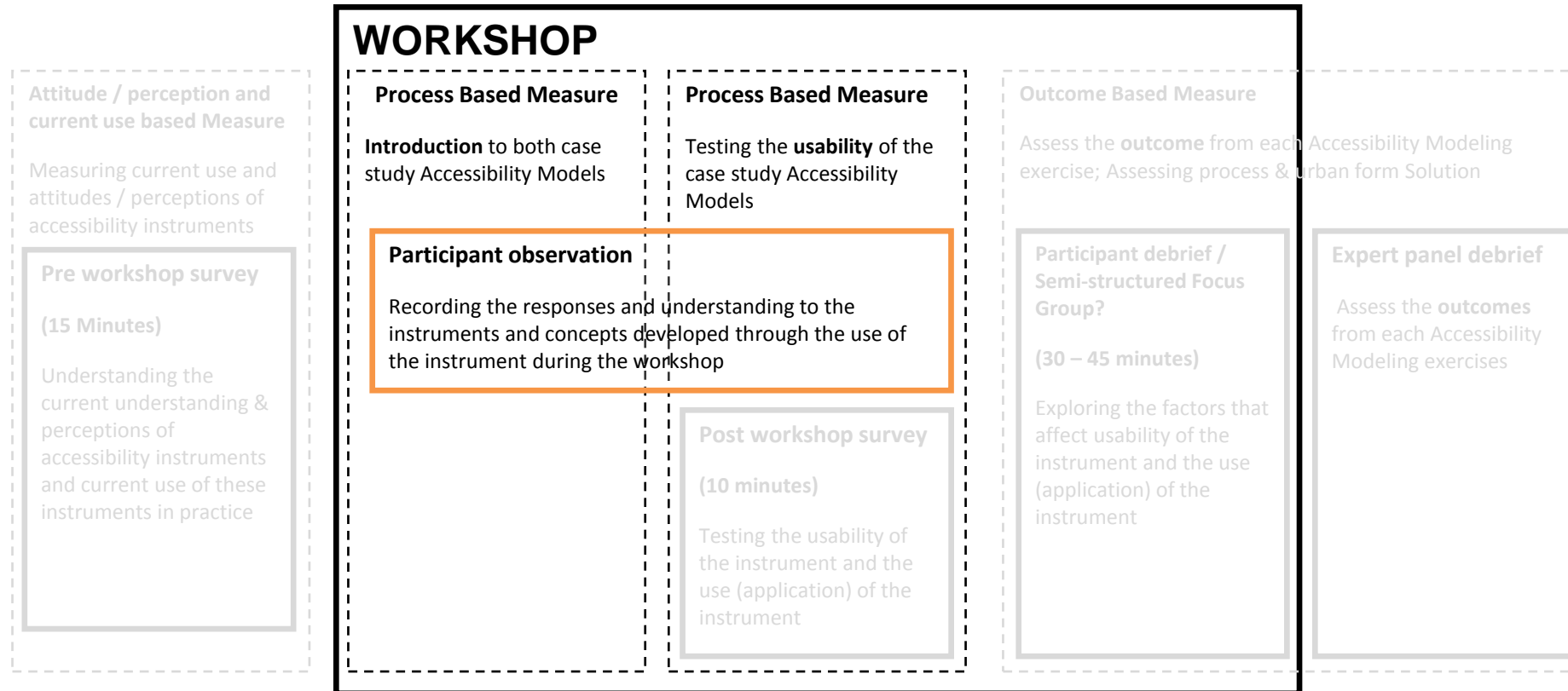
In the context of Planning Decisions at all scales, how often is each of following a limiting factor in the use of accessibility models?




<i>Please rate the importance of each of the following <u>Organisational Factors</u> that limits the use of accessibility models.</i>	Very Important	Important	Moderately Important	Of Little Importance	Unimportant
Availability of modelling/computational skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Availability of Spatial awareness skills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Understanding the policy context	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Separate urban and transport planning institutions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Formal decision making processes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Separate financial arrangements / priorities of institutions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data availability	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Data sharing between institutions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Different planning objectives between institutions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Political commitment to accessibility over mobility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Your institutions resources including time / financial	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Please rate how your organisation has <u>Used Accessibility models</u> in the past</i>	Always	In most cases	In some cases	In rare cases	Never
To create new insights	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
To justify decisions / positions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
To support strategy / option generation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
To support strategy / option selection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
To support integration of urban planning perspectives (e.g. land use planning / transport planning / environmental planning / health planning)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

# PRE WORKSHOP SURVEY - Issues WG3 need to finalise

- Lead time – 6 weeks prior to workshop
- Roger to complete data entry for Amsterdam workshop
- Paper format presented electronically and then completed by phone interview if required
- Presentation of results back to the group

# PARTICIPANT OBSERVATION



-  Measurement Type
-  Participant Activity
-  Workshop Facilitator Activity



*Based on the framework developed by Marco te Brommelstroet*

## Purpose of the participant observation

- To measure the observed impact / acceptance of the accessibility tool being used / experienced by the workshop participants. Including:
  - Ease of understanding of the model
  - Acceptance of the models underlying assumptions;
  - Recording of the key points debated within the introduction to new models;
  - Ease of agreement of a shared objective;

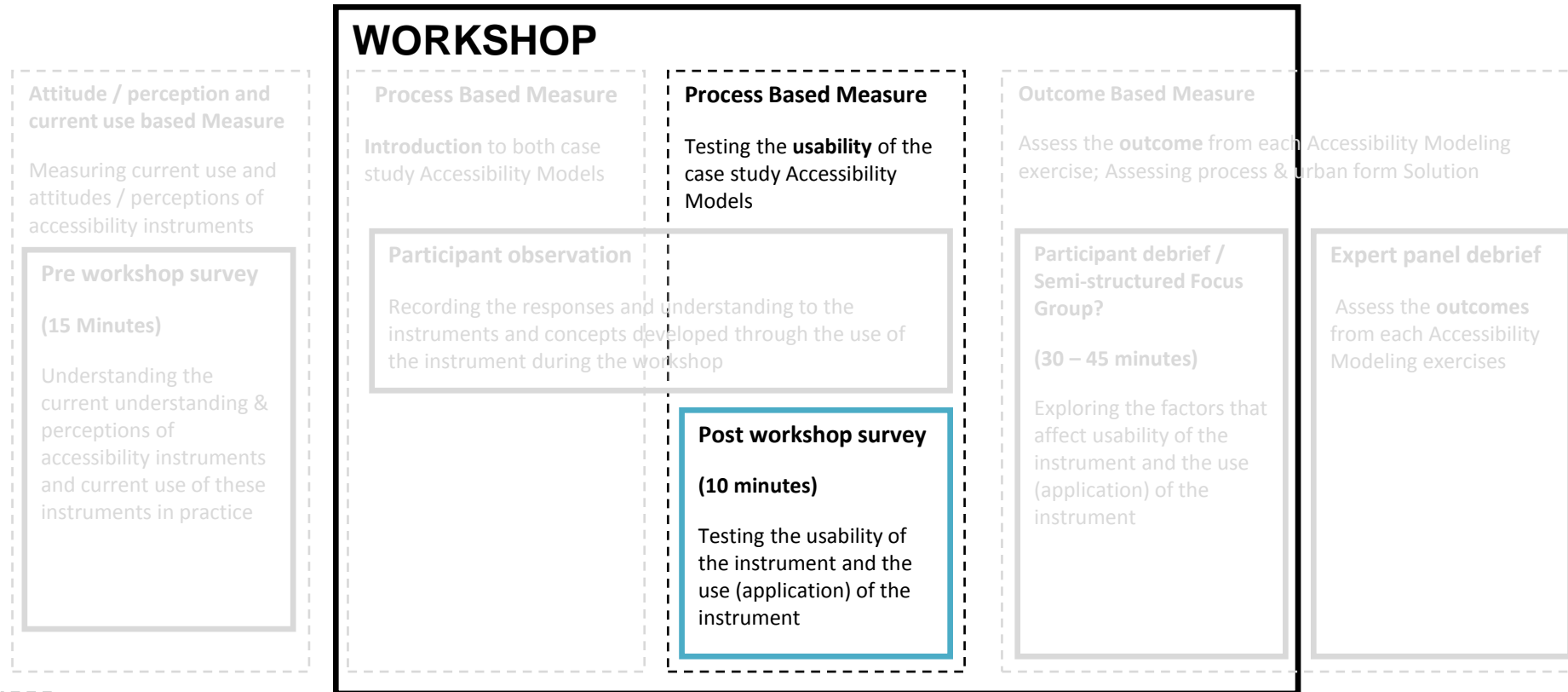
# PARTICIPANT OBSERVATION - Issues WG3 need to finalise




- Developing a measurement frame to limit the subjectivity with many different actors / cultures / planning problems etc.
- How many observers will use the framework developed to make observations
- Language barriers will need to be considered in selecting the observers
- Will the workshops will be videoed for later analysis
  - Several digital video cameras will need to be sourced & time taken for analysis of video footage would need consideration

# PARTICIPANT OBSERVATION - Issues WG3 need to finalize...continued

- The **varying degree of complexity** of the workshop planning problem?
- **How many measurement periods** should there be during the day – eg introduction to the tool, introduction to the planning problem, application of the tool, participant exchanges, etc.
- Allowing for **cultural differences** (communication) of participants?
- How do we account for differences between participants professional background

# POST WORKSHOP SURVEY



-  Measurement Type
-  Participant Activity
-  Workshop Facilitator Activity

# POST WORKSHOP SURVEY

**Purpose:** To measure the **impact of the accessibility tool when used/experienced** by the workshop participants - explicitly measuring participants reactions of process and the day's events.

To understand the **potential barriers to use**, and model features that encourage the use of accessibility models in the planning decision making process.

Usability and potential use of the instruments:

- Reaction - *Enthusiasm / Satisfaction / Credibility*
  - Insight - *into the problem; into the assumptions (of others and solutions)*
  - Commitment (to the outputs)
  - Behaviour
  - The future use of the insights from the workshop

- Perception of Communication – *interaction with other participants*
- Perception of development of shared language
- Perception of consensus - *On goals / Strategies*
- Perception of cohesion (group)
- Efficiency gains over traditional method – *Time efficient*

# POST WORKSHOP SURVEY...continued

- Technology – appropriateness
- Model selection – agency goals / policy tradition / political constraints / professional preference / complexity
- Model use – Process
- Output – how it should be used
- Barriers to use

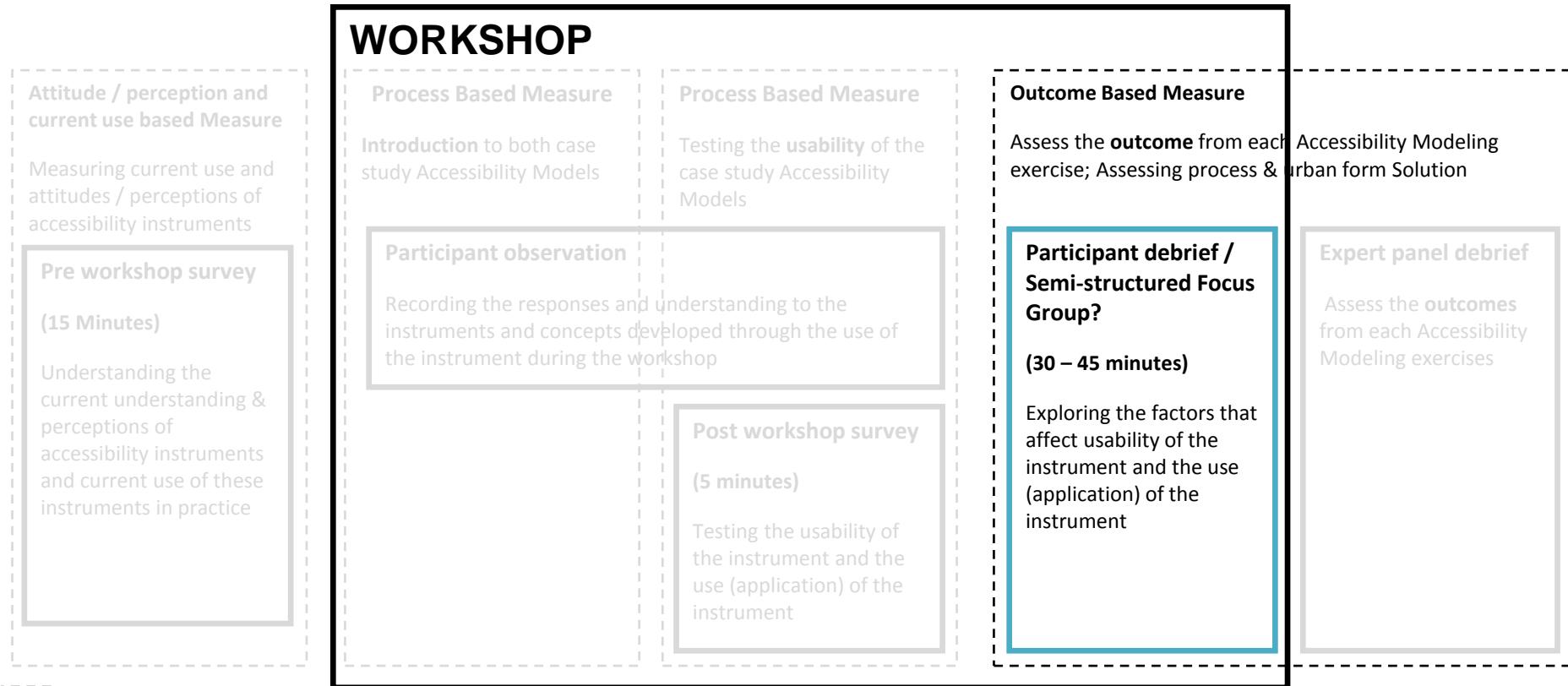
ABOUT THE SESSION		Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
1	The session resulted in valuable results (E)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	I am confident that the group solution is correct (S)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	The results of the session offer real solutions for the problem (CRE)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	I now have more insight into the processes that play a role in the problem. (IP)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	My understanding of the opinions of the other participants about the problem has increased. (IA)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	It supports most of the results that were drawn during the session (COM)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	I will use insights from the session in my daily planning practice (E)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	The process helped me interact with other participants and understand their ideas about the problem (POC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	During the sessions we have developed a shared professional language (PDSL)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	We have reached a shared vision of the problem. (PCP)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	We have reached a shared vision on the goals (PCG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	We have reached a shared vision on the possible solutions (PCS)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	I had a strong sense of being part of a group (PC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	The session was time efficient (EG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	I am satisfied with this session (S)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	The results of the session are based on correct assumptions on the underlying system (CRE)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	The session has given me insight into the possibilities that my organisation has in 'steering' the problem. (IP)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	I better understand the proposed solutions of other participants in the session. (IA)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	I will communicate the results of the meeting in front of other members of my organization (COM)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	We experienced conflict during the session (PC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>




# POST WORKSHOP SURVEY - Issues WG3 need to finalize

- Should the questionnaires be anonymous or just ask the respondent's profession (field of expertise) in order to use it later as a filter?



# PARTICIPANT DEBRIEF / SEMI STRUCTURED FOCUS GROUP



-  Measurement Type
-  Participant Activity
-  Workshop Facilitator Activity

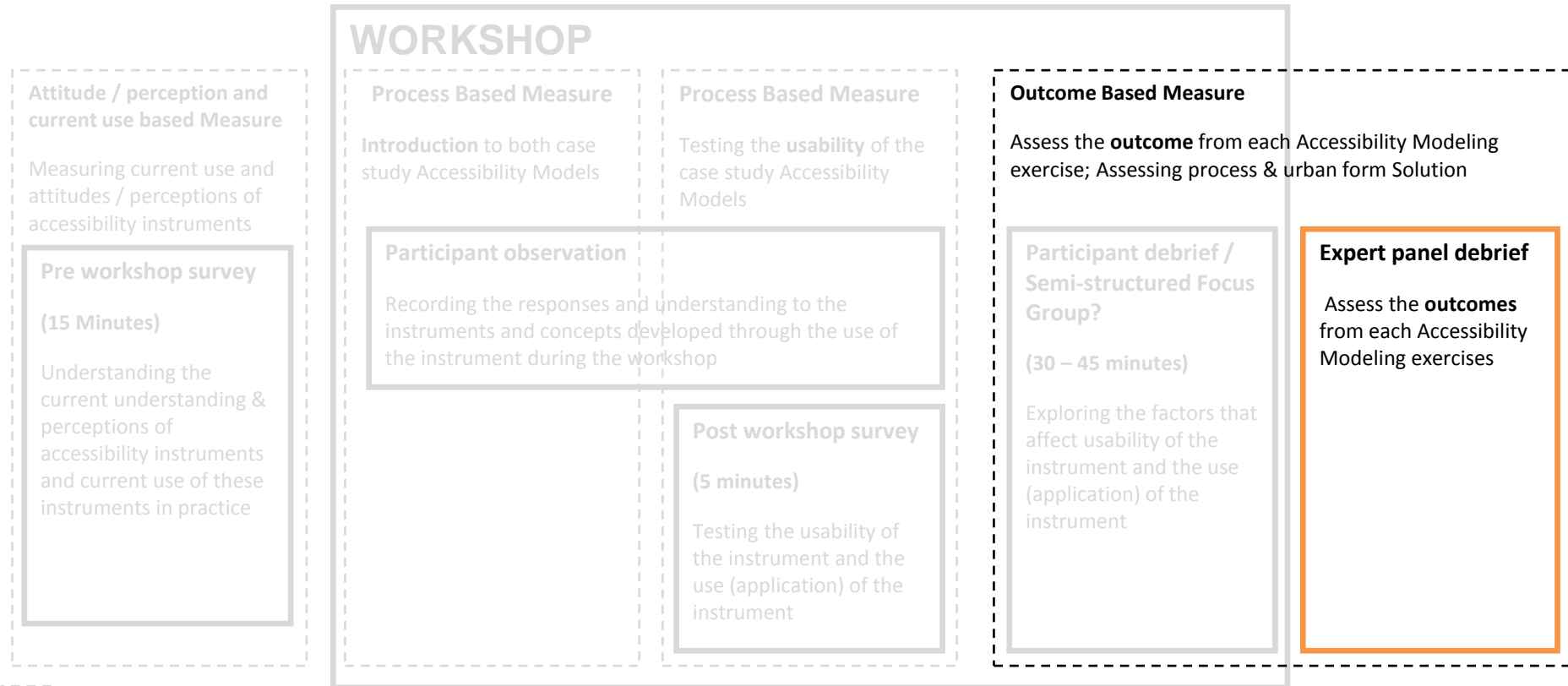
# Purpose of the participant debrief




- To uncover unexpected insights regarding the planning problem, process and use of planning support systems in the planning process
- Framework being drafted

# PARTICIPANT DEBRIEF / SEMI STRUCTURED FOCUS GROUP - Issues WG3 need to finalize

- Who will lead the discussion?
- What are the final questions?
- How will the focus group data be collected?

# EXPERT PANEL DEBRIEF



-  Measurement Type
-  Participant Activity
-  Workshop Facilitator Activity

# Purpose of the expert panel debrief:

To measure the effectiveness of the accessibility tool in delivering the solution to the planning problem

Usability of PSS	Operationalization	Measure statements
Novelty	Originality	The strategy is ingenious The strategy is imaginative The strategy is surprising The strategy is novel
	Paradigm relatedness	The strategy is radical The strategy is transformational
Workability	Implementable	The strategy can be easily implemented
	Acceptability	The strategy is socially acceptable. The strategy is legally acceptable. The strategy is politically acceptable.
Relevance	Applicability	The strategy clearly applies to the stated problem.
	Effectiveness	The strategy will solve the problem. This is an effective strategy
Specificity	Completeness	The strategy can be decomposed into independent subcomponents. The strategy covers who The strategy covers what The strategy covers where The strategy covers when The strategy covers why The strategy covers how
	Implicational explicitness	There is a clear relationship between the recommended action and the expected outcome.
	Clarity	The strategy is clearly communicated with regard to grammar and word usage. The strategy is easy to understand

# EXPERT PANEL DEBRIEF - Issues WG3 need to finalize

- The lack of a control group
- The leaders of each group (4) will form a panel to complete the evaluation
- Will participants contribute to the evaluation - could this be incorporated into the post workshop focus group activity if practitioners are involved
- When will it be completed

# WORKSHOP

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(5 minutes)

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


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