Using Mobile Devices to Enhance Public Engagement: Collecting Ideas for Future Development and Experiencing the Suggested Future Scenarios

Gulsah Bilge, Sigrid Hehl-Lange, Eckart Lange
Department of Landscape
The University of Sheffield
VALUE+

➢ EU funded - throughout North West Europe

➢ Enhance Public Participation

➢ Improve Green Infrastructure and Design

➢ Actual real world investment sites
Edward Street Park, Sheffield
Edward Street Flats

Edward Street Park
A new urban park

- New sports and event area
- Café
- Art features and seating walls
- New planting with semi mature trees to replace removed trees
- New flower borders
- New lighting (feature lighting; safety)

Problem with the timing in terms of participation and construction
Edward Street Park open event 28th September 2013

Edward Street Park Opening Party
Saturday 28 September
10am - 9pm

A day of fun for all ages - come along and join in!
Basketball challenges, Bouncy Castle, Plaque Unveiling,
Percussion, Street Party, Dance dems, Magician and Music.

* An outdoor film screening.

You can vote which film you'd like from the selection on www.sensoria.org.uk.
Just check out the programme section and you can select the film you'd like to see or fill in a flyer at outlets around Edward Street.

VALUE+ Sheffield City Council SENSORIA
Exploring 3D visualisation with a mobile device

Survey with a questionnaire: 82 participants

Edward Street Park open event 28th September 2013

Questions:
- About the park design
- About the visualisation
Charrette

(15.-17. October 2013)
University of Sheffield,
University of Manchester, UK and
van Hall Larenstein University, NL
• Charrette
  – What are the problems of the park?
  – Possible design ideas responding to the identified problems
Survey I
Survey II
Visualized 3D digital model photos were presented to the public on-site via ZoomNotes to allow them to make further suggestions with sketches.
Scenarios
Scenarios
Scenarios
Scenarios
Scenarios
Scenarios
Rating Results

• Future scenarios 3.78 to 4.65 on a 5-point Likert scale (5 highest, 1 lowest)

• Future scenarios 4.10 to 4.78
• 3D model 4.04 to 4.40
• Current situation photos 2.17 to 4.74.

• Future scenarios higher
  o Solution for common identified problems
  o Season
Conclusion

• As technology advances, it is important to continuously look for new opportunities and improvements for public participation without excluding anyone.

• 3D mobile device visualization has a strong potential to contribute to the enhancement of public participation and understanding of design scenarios for residents.

• Participation should be from the beginning or in an early stage of the planning/design process.
Next Step

Non-local people
• On site
• Off-Site

Local People
• On-site

• Local and non-local to be asked to use ZoomNotes
• Scenarios to be shown in Walkabout3D
• Participants to be asked
  • Subjective judgments
  • Objective measurements