



# Applying Citizen Science Principles to Assess Perceived Walkability in Malta

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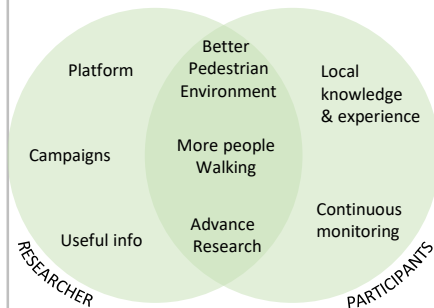
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Walkability studies cannot be abstracted from its social setting and should be assessed through the citizens who experience it. This is based on the premise that pedestrian needs, perceptions and feelings towards the walkable environment should play an integral part in studying, planning and designing public space.



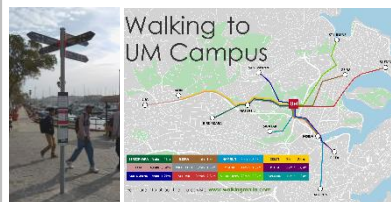
## COMMUNITY

COLLABORATION & POSITIVE IMPACT



RESEARCHER

PARTICIPANTS



## RESEARCH

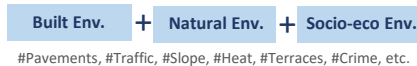
INNOVATIVE PARTICIPATORY METHODOLOGY USING



### 1 PERCEIVED WALKABILITY



### 2 ELEMENTS OF THE WALKABLE ENVIRONMENT



### 3 DATACOLLECTION PROTOCOL

#### • METADATA (WHEN & WHERE)

- Time, data and location

#### • EXPERIENCE (HOW)

Structured subjective data  
- Predefined variables

#### • WALKABLE ENV. (WHY)

Unstructured objective data  
- Picture  
- Absence/presence of x

#### • Interaction

Participants - Researcher



This is a very #Pleasant place to walk!  
I love the #Trees and the #Views in this square.  
at University of Malta



+ VGI-DATA QUALITY ASSESSEMENT & DATA PROCESSING

## POLICY

TOOLS FOR INFORMED DECISION MAKING

### 1 PERCEIVED WALKABILITY ASSESSMENT DEGREE & SPATIAL-TEMPORAL VARIATION OF PERCEIVED WALKABILITY



### 2 CONTENT ANALYSIS OF THE WALKABLE ENV. COMPONENTS AND CHARACTERISTICS THAT HINDER OR FACILITATE CERTAIN PEDESTRIAN EXPERIENCES

