Web figure 1

ASSESMENT OF THE ENVIRONMENT

Subjective assessment
Stakeholder view
Expert judgement

Calfit
-positioning
-physical activity
-air pollution
-mood

Land use maps
Remote sensing
Aerial photography

Natural outdoor
Environment
-green
-blue
Quantity
Quality

SUSCEPTIBLE GROUPS

Gender
Age
Socio-economic status

Pregnancy
Age
Socio-economic status
Ethnic minorities

HEALTH OUTCOME ASSESSMENT

Stress reduction/
Restorative function
Physical activity
Social interaction
Environmental pollutants

General health/well being
Mental health/neural development
Cardiovascular, cancer
and respiratory
morbidity and mortality
Birth outcomes
Obesity

HEALTH DATA SOURCES

Population based survey
-questionnaires
-Diaries
-Calfit

Therapeutic studies
-questionnaires
-Diaries
-biological
monitoring

Routine data
Cohorts

<u>Figure Captions</u>

Web Figure 1 Natural outdoor environment, mechanisms and health data input in PHENOTYPE
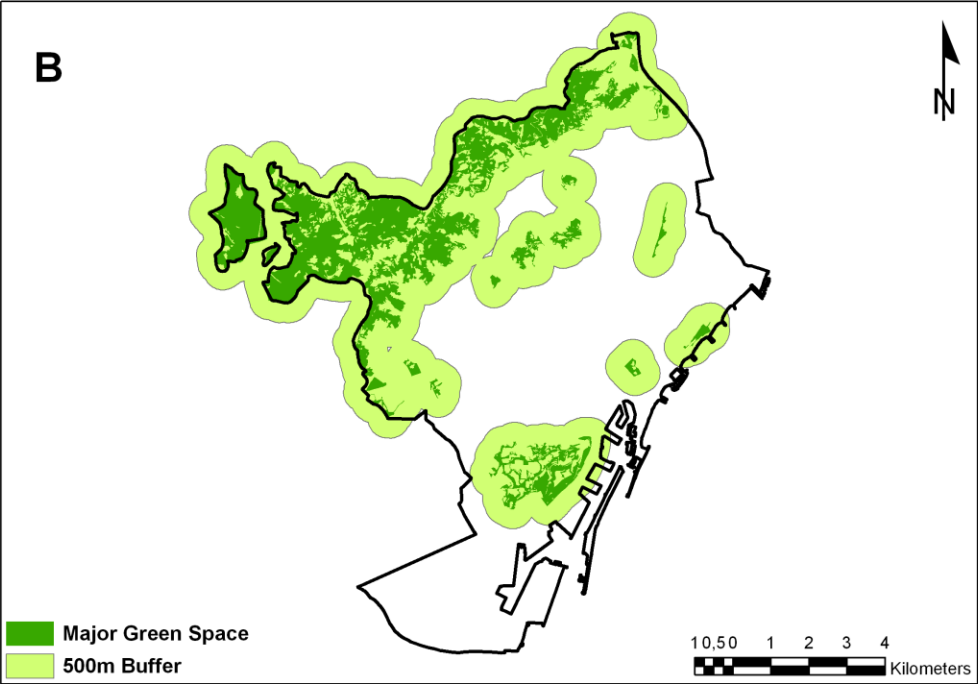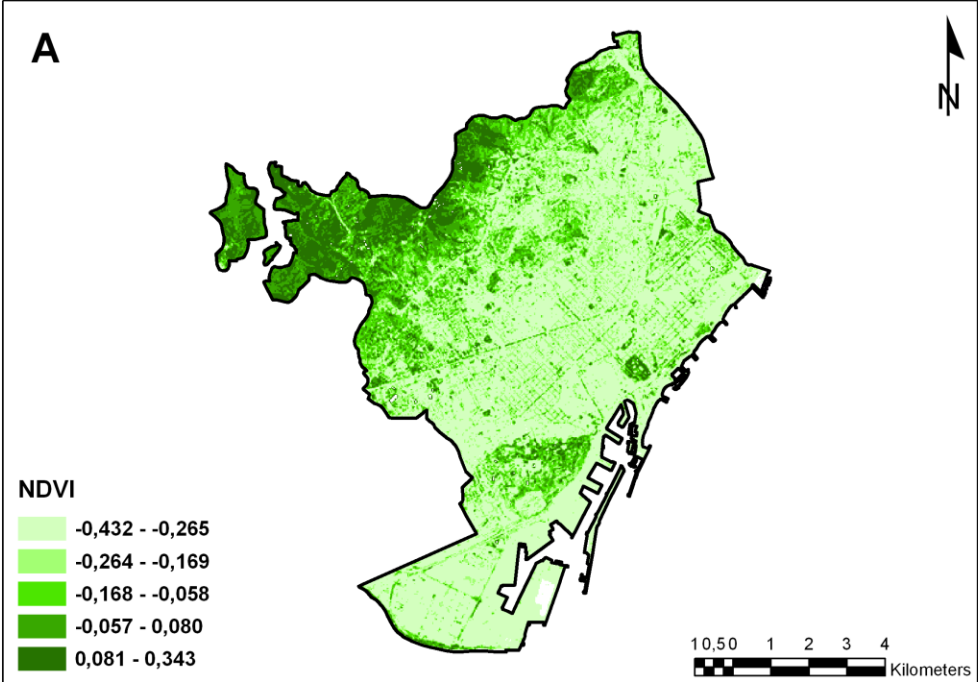
Web Figure 2 NDVI map of Barcelona and buffers around major green space areas

Web Figure 3 Mobility pattern for a subject in Barcelona obtained with the Calfit tool
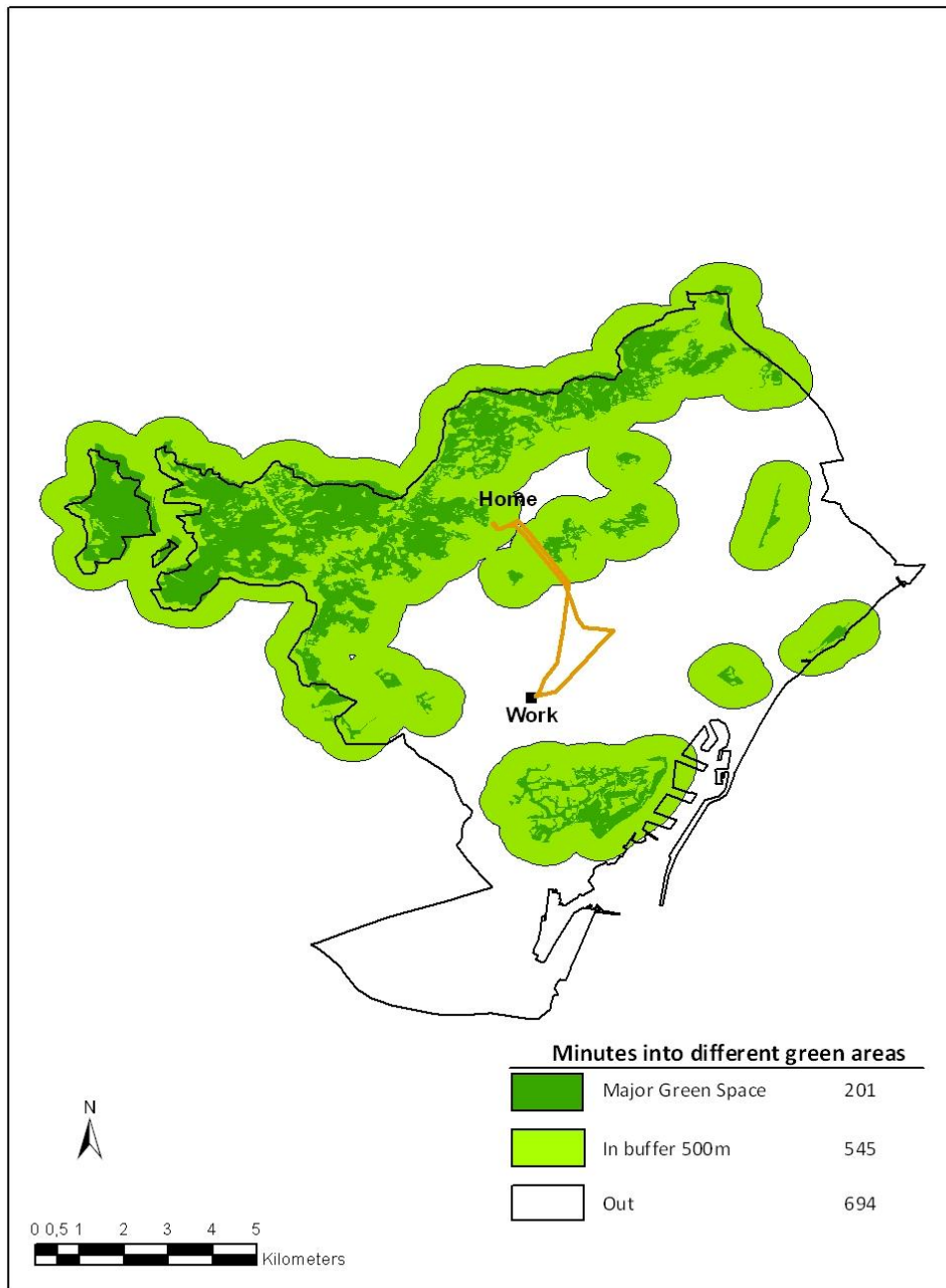
Web Figure 4 Design of data collection in 4 European case cities to study the underlying mechanism

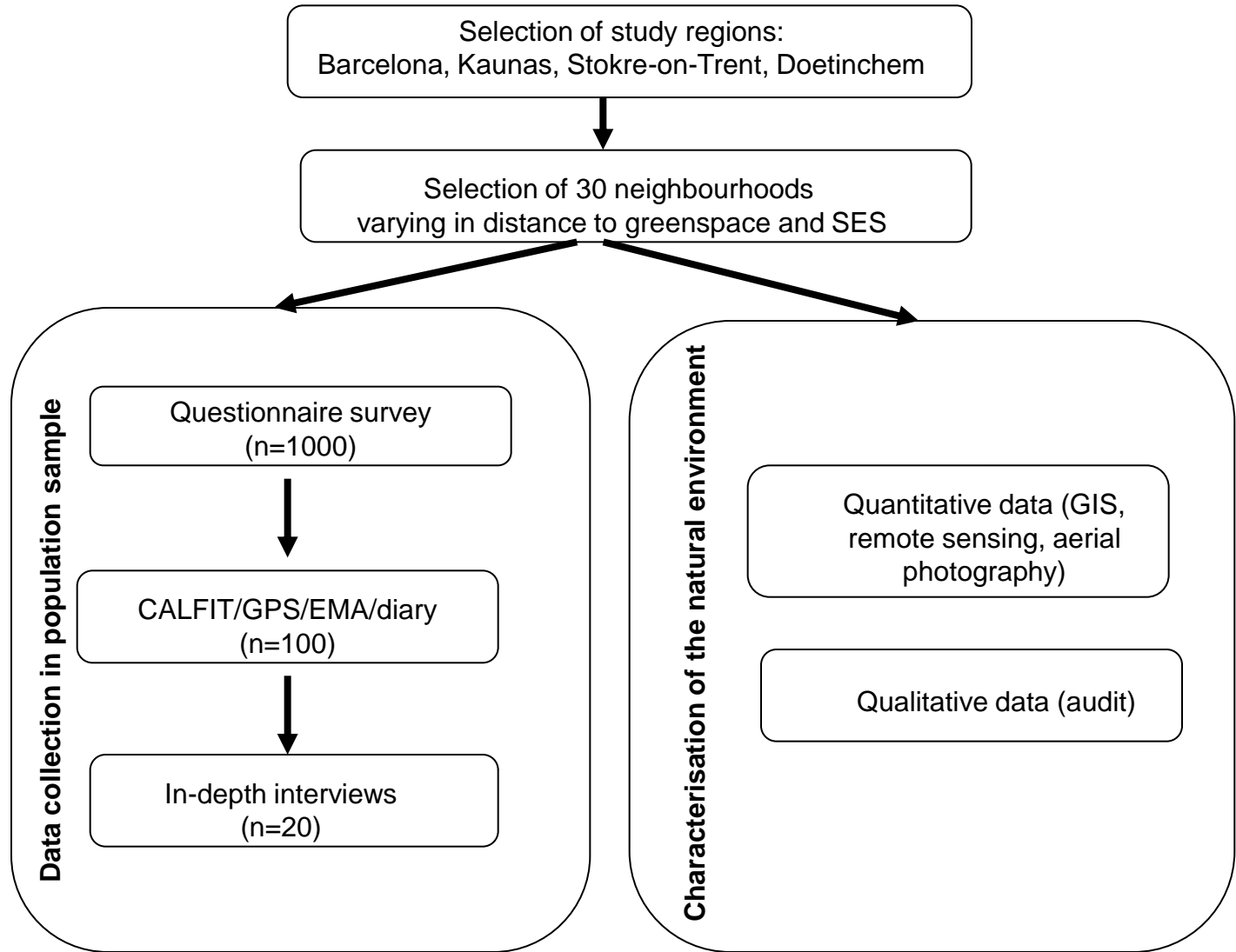**Web Figure 5** Stakeholder input and dissemination

Web figure 2

A

NDVI

- -0,432 - -0,265
- -0,264 - -0,169
- -0,168 - -0,058
- -0,057 - 0,080
- 0,081 - 0,343

1 0,5 0   1   2   3   4
Kilometers

B

■ Major Green Space
■ 500m Buffer

1 0,5 0   1   2   3   4
Kilometers

Web figure 3

Home

Work

Minutes into different green areas

■ Major Green Space		201
■ In buffer 500m		545
□ Out		694

N

0 0,5 1   2   3   4   5
Kilometers

Web figure 4

Web figure 5