Web figure 1

- **ASSESSMENT OF THE ENVIRONMENT**
  - Subjective assessment
  - Stakeholder view
  - Expert judgement
  - Calfit
    - positioning
    - physical activity
    - air pollution
    - mood
  - Land use maps
  - Remote sensing
  - Aerial photography

- **SUSCEPTIBLE GROUPS**
  - Gender
  - Age
  - Socio-economic status
  - Natural outdoor Environment
    - green
    - blue
    - Quantity
    - Quality
  - 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
Figure Captions

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
Selection of study regions: Barcelona, Kaunas, Stokre-on-Trent, Doetinchem

Selection of 30 neighbourhoods varying in distance to greenspace and SES

**Data collection in population sample**
- Questionnaire survey (n=1000)
- CALFIT/GPS/EMA/diary (n=100)
- In-depth interviews (n=20)

**Characterisation of the natural environment**
- Quantitative data (GIS, remote sensing, aerial photography)
- Qualitative data (audit)
Stakeholders
- local
- national
- European

Relationship natural outdoor environment, mechanisms and health
- study
- literature

Health impact assessment model

Dissemination

Policy and guidelines
human ecological perspective