

Chair of Construction and Design, BUW  
INTEGRATED TOWNSHIPS + 15-MINUTE-CITY//  
**STEGREIF MOBILITY AS A BASIC HUMAN NEED**

Over the course of time, humans have been able to significantly increase the natural average speed of around 5 km/h through the invention of mobility tools. On the one hand, they serve to reduce energy consumption and, on the other, to expand the mobility space by increasing speed. Depending on the area under consideration, people travel within cities at around 15 km/h by bike and around 30 km/h by car.

However, the possibility of travelling faster and more easily does NOT lead to the „saved“ time being used elsewhere. Higher speeds only lead to an increase in the daily distance travelled - the time used for mobility remains constant at approx. 80 min/day, regardless of time and place.

The number of daily journeys is also constant and independent of the respective living conditions - it is permanently at approx 3.7 journeys/day/mobile person.

These globally valid values, which remain constant over time, suggest that we are dealing here with a very basic human need: the basic need to move around - for which a daily budget of time is apparently provided as part of human existence.

Our human physiognomy also points to this apparently necessary characteristic of changing location. Our physique allows for a persistent, efficient and stable upright gait. Many sweat glands and little hair effectively cool the body and enable us to walk - to be mobile - for long periods of time.

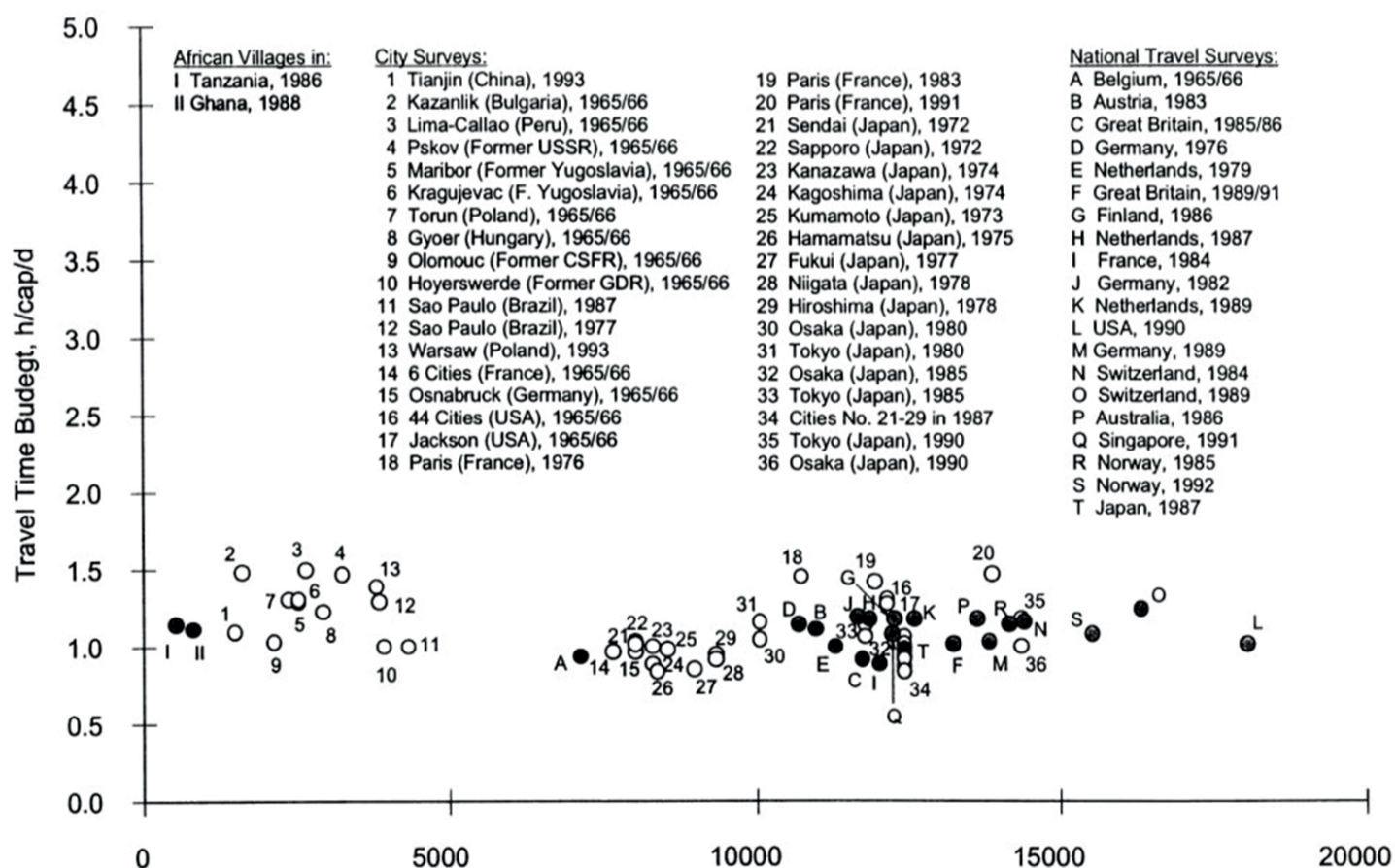
In your opinion, what advantages fulfil the human need to move from place to place? What role does mobility play in individual existence and in collective togetherness?

Imagine and build a sculpture in public space that highlights an aspect of human mobility. You will be given coarse cotton yarn and metal wire as materials. This material can, but does not have to be used. All kinds of other objects and materials may be used.

First develop a viable theoretical concept. Describe your idea in 200 words. Now develop a sculpture in public space that is able to communicate your concept.

Based on your results, we will discuss together how and whether 15min cities and integrated townships can fulfil the human need for mobility and the underlying needs (which you have found and described with your installations).

Deliverables:



\*Sculpture/Installation in public space within 5 minutes walking distance from the Faculty of Architecture (move safely and only as a group)  
\*Text 200 words, 5 copies. Place one copy in the immediate surrounding of the sculpture as an explanation for people passing by  
\*Photographic documentation of the creation and the finished work

Abb.: Constant travel time budget in hours per day and per capita as a function of GDP per capita in US dollars (1985) – Schafer, A. und D.G. Victor (2000) The future mobility of the world population, Transportation Research Part A, 34 171-205.