Man Made Blue Zones: Healthy Ageing
Lustrum Conference Centre of Expertise Healthwise

Expertise Center Architecture
Urbanism & Health

Cor Wagenaar: Healthy living environment
Man Made Blue Zones: Healthy Ageing
Lustrum Conference Centre of Expertise Healthwise

Groningen, 2018

Incompatibility of science and design?

Methods...
Incompatibility of science and design?

a) Accumulation of expertise

Public Health ✓

Architecture & Urbanism ✗
Incompatibility of science and design?

a) Accumulation of expertise
b) Quantifiable data
   * disease incidence & mortality, per
   - demographic category
   - social and economic status
   - lifestyle
   - space (Note: zipcode) Ideally
     . health assessment
     . social and economic status
     . demography
     . links & connections
Man Made Blue Zones: Healthy Ageing
Lustrum Conference Centre of Expertise Healthwise
Groningen, 2018

Incompatibility of science and design?

a) Accumulation of expertise
b) Quantifiable data
c) Interventions
   Public Health: performance
      *assessment
      *quantifiable data
         for instance walkability
      -lighting
      -street furniture
      -greenery
      -distraction
Man Made Blue Zones: Healthy Ageing
Lustrum Conference Centre of Expertise Healthwise

Groningen, 2018

Incompatibility of science and design?

a) Accumulation of expertise
b) Quantifiable data
c) Interventions (spatial)
   Public Health: performance
   *assessment
   -quantifiable data
   *interventions: walkability
   -lighting
   -street furniture
   -greenery
   -distraction

Public Health
Architecture & Urbanism

Before
Walking ratio 1

Effect: measurable, quantifiable

After
Walking ratio 1.2
The city, the polis, as the Greeks called it, was for them the matrix of civilization, the only form of ordered social life they could understand; it is the exclusive form assumed by ancient Greek culture from its beginning to its end. The city was small enough so that the citizens knew one another, participated in a communal life, shard the common joy of festivals, the sorrow of public bereavement, the keen excitement of competition, the common heritage of ancestral tombs and age-old sanctified places. The destruction of a city is a calamity all the more deeply felt because of the close cohesion of its inhabitants and their attachment reinforced over generations from a mythical past, to its landmarks and buildings.

Robert Knox, Introduction to Homer, The Iliad
The city, the polis, as the Greeks called it, was for them the matrix of civilization, the only form of ordered social life they could understand; it is the exclusive form assumed by ancient Greek culture from its beginning to its end. The city was small enough so that the citizens knew one another, participated in a communal life, shared the common joy of festivals, the sorrow of public bereavement, the keen excitement of competition, the common heritage of ancestral tombs and age-old sanctified places. The destruction of a city is a calamity all the more deeply felt because of the close cohesion of its inhabitants and their attachment reinforced over generations from a mythical past, to its landmarks and buildings.

Robert Knox, Introduction to Homer, The Iliad
Incompatibility of science and design?

Analogy:
Evidence Based Design in Hospitals
Now: how would designers operate...
- assessment
- spatial analysis in terms of quality
- analysis in terms of original intentions
- analysis in terms of design strategies
- interventions
- qualitative design: post-war housing estates
  - mix of traffic flows
  - public space as place (recreation of urban repertory)
  - additional functions (urban gardening)
- post intervention assessment?
Incompatibility of science and design?

a) Accumulation of expertise
b) Quantifiable data
c) Interventions
   Public Health: performance
   *assessment
   *quantifiable data

Statement: Only if Architecture and Urbanism can absorb the incorporate Public Health data, and only if Public Health can absorb the methods of architecture and urbanism, will the design of healthy cities be possible
Man Made Blue Zones: Healthy Ageing
Lustrum Conference Centre of Expertise Healthwise

Incompatibility of science and design?

Humanities
Cultural Values
  Meaning
  .History
  .Values
  .Identity
Branding
Focus
.Objects
Movements
.Trends
.Petrons

Design
Projection
Aesthetics
  .Composition
  .Materials
  .Decoration
Relations
  .spatial
  .physical
  .social
  .functional
Program?
Logistics?

Natural
Sciences
Performance
  .technical
  .economic / financial
  .functional (program, logistics)
  .climate
  .energy
  .sustainability
  .health
  [design]
  [cultural values]
Man Made Blue Zones: Healthy Ageing

Lustrum Conference Centre of Expertise Healthwise

Groningen, 2018

Humanities
Cultural Values
- Meaning
- History
- Values
- Identity
- Branding
- Focus
- Objects
- Movements
- Trends
- Persons

Design
- Projection
- Aesthetics
- Composition
- Materials
- Decoration
- Relations
  - spatial
  - physical
  - social
  - functional
- Program?
- Logistics?

Natural
Sciences
- Performance
- technical
- economic / financial
- functional
  - program,
  - logistics
- climate
- energy
- sustainability
- health
[design]
[cultural values]

Incompatibility of science and design?
Incompatibility of science and design?
Incompatibility of science and design?

1. Identify health promoting behavior, for instance enjoying greenery
2. Identify a tool that promotes this behavior, for instance nice greenery
3. Ask the people what they like
4. Ask a garden architect to make a plan
Incompatibility of science and design?

1. Identify health promoting behavior, for instance enjoying greenery
2. Identify a tool that promotes this behavior, for instance nice greenery
3. Ask the people what they like
4. Ask a garden architect to make a plan