### Ennvironmental psychology and environmental genetics

As Environmental Health (6) on 6 Nov. 2014

#### Key Concepts

- Environmental <u>psychology</u> considers health and behavior in sociophysical context, based on both objective and subjective measures of immediate and remote environmental conditions
- Risk of disease is a function of both <u>genetic</u> and environmental factors, so that gene-environment interactions are important

# Field definition of environmental psychology

Assuming that a dynamic and reciprocal relationship exists between individual and groups and the environment where they live

Sociophysical contexts affect the behavior and health: eg. the kind of dwelling, social and physical aspects of neighborhood.

"Sociophysical environment" means interdependent social and physical dimensions of settings jointly influencing an individual's psychological and physical well-being

"Environment and behavior studies (EBS)" is alternative term.

## Typical approaches of environmental psychology

Concerned with the behavioral, emotional, and health outcomes of people's transactions with everyday environments

Naturalistic field studies, emphasizing multidisciplinary perspective (incl. psychology, environmental design, geography, sociology, human ecology, natural resource management, government, public health)

Behavior and health outcomes in relation to objective and subjective meanings

User-oriented studies

Events naturally occur, conditions may change during the course of the events

Holistic and longitudinal approach

 $\rightarrow$  Sharing the focus with human ecology!! (Only the nominal difference?)

### Levels of environmental analysis in sociophysical context

Elemental: water, air, food, ...

 Individual: an individual's (1) body and physical, perceptual and cognitive abilities, (2) intellectual abilities, personal beliefs, values, attitudes, emotions, memories and experiences

 Stimuli: recognizable features of an environment that cause a personal perception or physical and/or psychological reaction

Situation: sequences of individual or group activities and events occurring at a particular time and place

 Settings: socially structured and geographically bounded locations where certain kinds of activities and events regularly recur (eg. college classroom)

 Life domain: spheres of a person's life that encompass multiple situations and settings (eg. home, work, school, ...)

Societal: overarching systems of beliefs and values, social and cultural norms, and social, political, and economic institutions that integrate life domains for large groups of people

#### Four different "world views" (Altman and Rogoff, 1987)

<u>Trait</u> worldview tries to understand and predict the enduring, consistent features of physical settings and people as individual factors

Interactional worldview posits stable relationships among traits and proposes basic "laws" that describe these relationships

<u>Organismic</u> worldview tries to understand larger, more complete, more complex aggregates of factors, acknowledging that these factors may change or evolve over time

<u>**Transactional**</u> worldview proposes that the factors that affect behavioral phenomena are part of a constant, dynamic, reciprocal milieu

#### Hurricane "Katrina" example

Three parts of the event

- awareness and preparation
- immediate response ~ focusing on the use of common setting features as "affordances" (possibilities for action that are latent in an environment)
- aftermath
- Environmental psychology's comprehensive approach
- sense of place
- place attachment
- contextual transformation (sudden and dramatic context changes, resulting in fundamental behavior modification)





