

COST Action TD0804

Core ideas, tasks & workplan of WG-3

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Soundscape research is about relationships between the ear, human beings, sound environments and society*

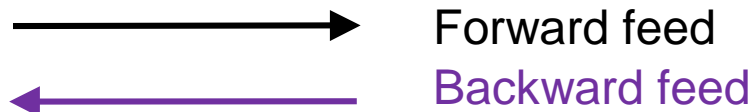
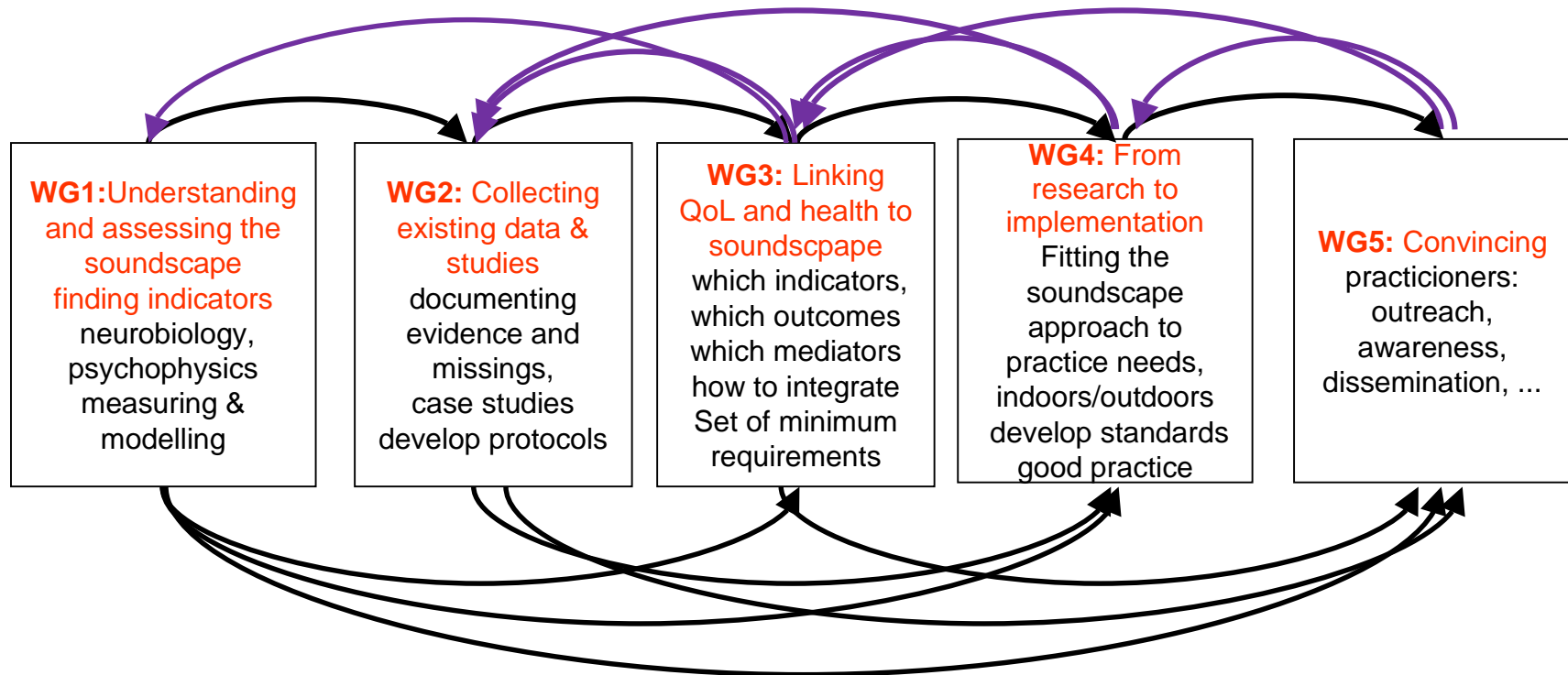
- Sound measurement, modelling and use of sound: outdoor & indoor
 - Assessing & understanding by classical & psychoacoustic means
- Sound perception (subjective & objective)
 - Using the appropriate indicators
- Effects of sound on humans („environmental sound health“)
 - Understanding positive and adverse impacts and resources
 - Using the appropriate indicators for effects assessment
- Sound in different contexts
 - Geography/climate (nature, topography, sea, mountains ..
 - Built environment, architecture (land use, layout, visual appearance ..
 - Other environmental impact (air pollution, vibration ..
 - Social ecology (lifestyle, relationships, safety ..
 - Cultural context (importance, meaning ..
- Implementation of soundscape vision into regular planning processes and corrective adaptations
 - Integration

* Quote from our proposal

SOUNDSCAPE OF EUROPEAN CITIES AND LANDSCAPES

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Basic tasks and interactions of the 5 working groups



The WG-3-VIEW

The main ideas & tasks of WG-3

- Description and use of sound
 - Input from & interaction with WG-1 & WG-2
- Descriptors of effect -> planned workshops
 - Environmental quality of life
 - Health related quality of life
 - Restorative potential
 - Vulnerable people
- Context indicators -> planned workshop
 - Minimum set of single descriptors
 - Integrative descriptors
 - Vulnerable context descriptors
- Implementation of soundscape vision
 - Feed forward and interaction with WG-4 & WG-5

Change of workplan

WG3	Concepts, models, goals	Year	Year	Year	Year	Year	Year	Year	Year
		1	1	2	2	3	3	4	4
WG3.1	Different definitions of soundscapes; common sense and expert languages for soundscapes	y	y						
WG3.2	Soundscape indicators: physical, physiological, human (symbolic, behavioural, verbal, semantic), etc			y	y	y			
WG3.3	Health and Quality of Life outcome indicators used in soundscape (including moderators/mediators)			y	y	y			
WG3.4	Combination techniques (data triangulation, methodological triangulation)				y	y	y	y	
WG3.5	Conclusion: Towards soundscape method standardization/harmonization						y	y	

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WG-3

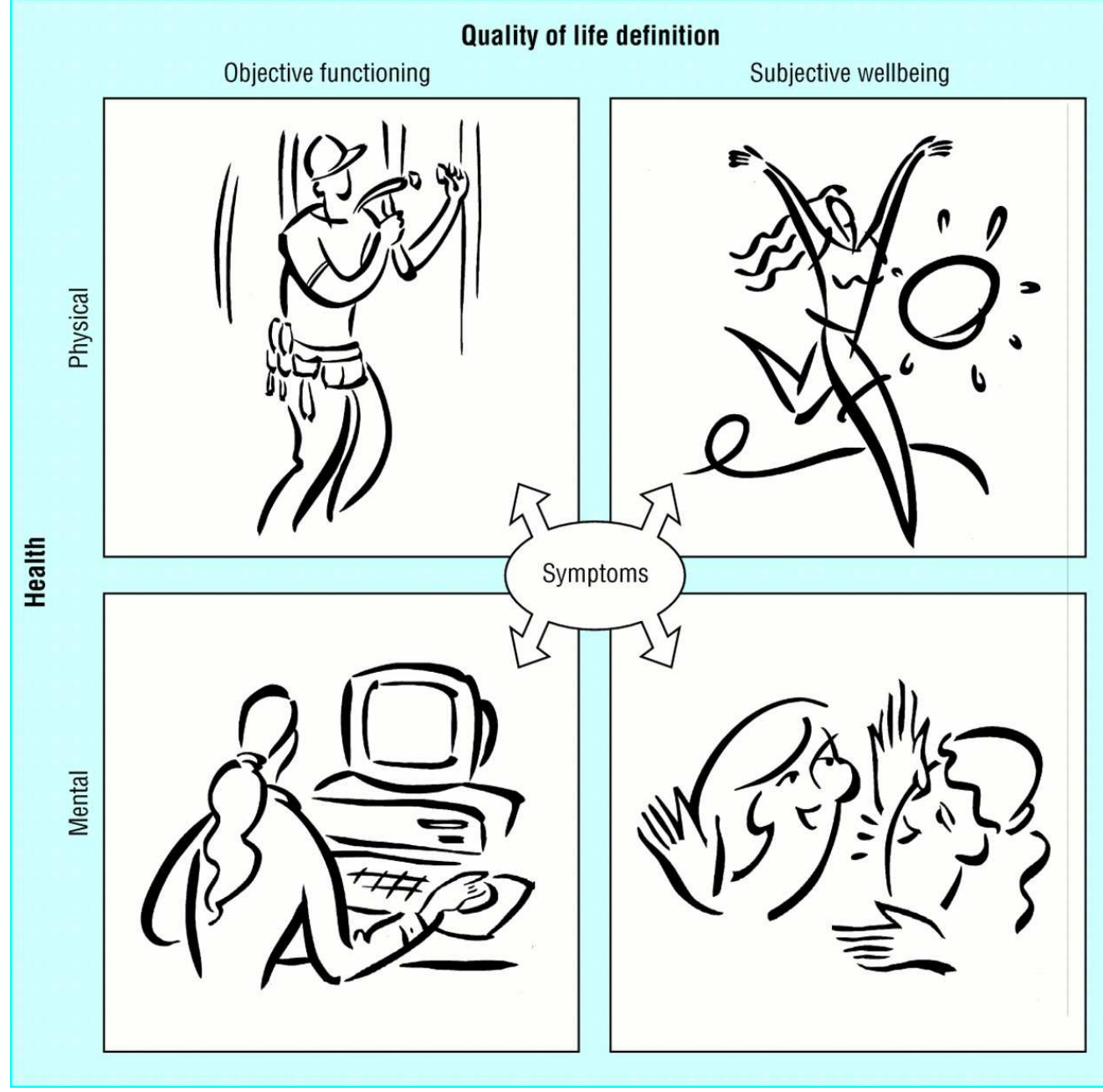
Quality of life and Health related

Quality of Life concepts

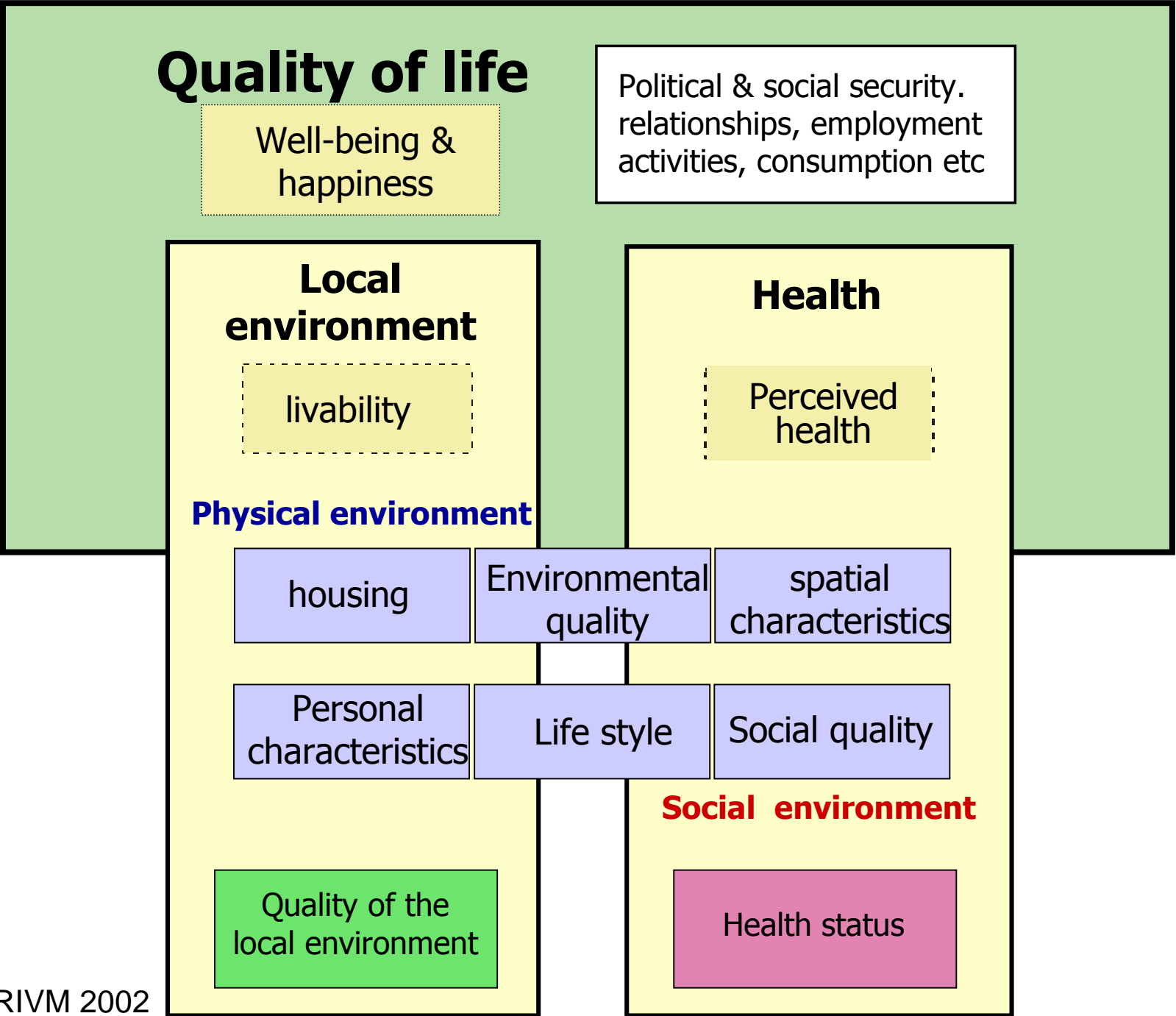
and examples of applications

Peter Lercher

Classical dimensions of health related quality of life (HRQoL)



Muldoon et al, *BMJ* 1998;316:542-545



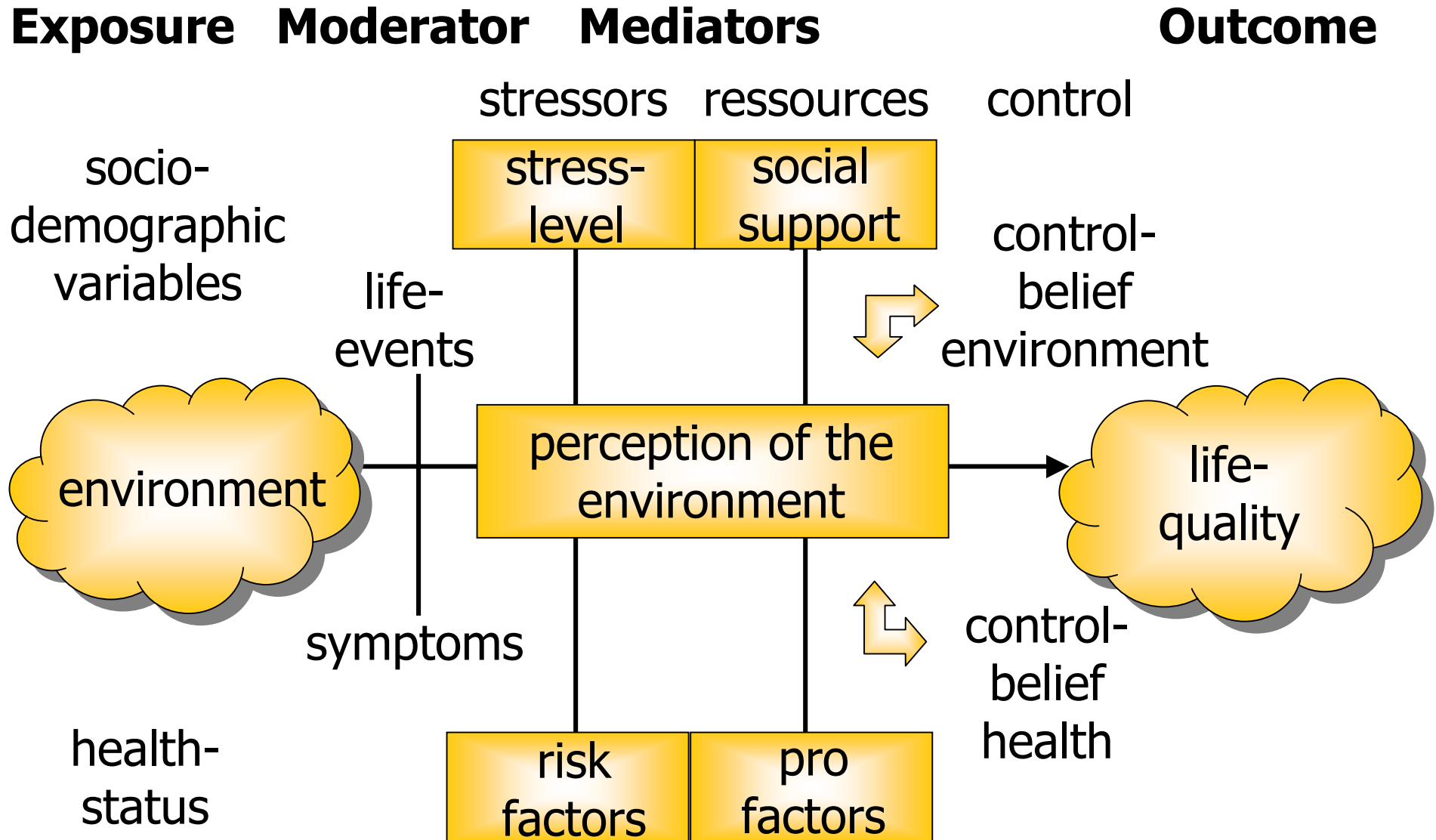
Source: RIVM 2002

A general quality of life model

Spheres	Dimensions (obj./subj.)	Examples
Global	<ol style="list-style-type: none"> 1. Macro environment 2. Human rights 3. Policies 	Clean environment Democratic rights Culture
External	<ol style="list-style-type: none"> 1. Work 2. Economy 3. Housing 	Employment Income Type of housing
Interpersonal	<ol style="list-style-type: none"> 1. Family 2. Intimate 3. Extended 	Structure and function of social relationships
Personal	<ol style="list-style-type: none"> 1. Physical 2. Mental 3. Spiritual 	Growth, development, activity, self-esteem, meaning of existence

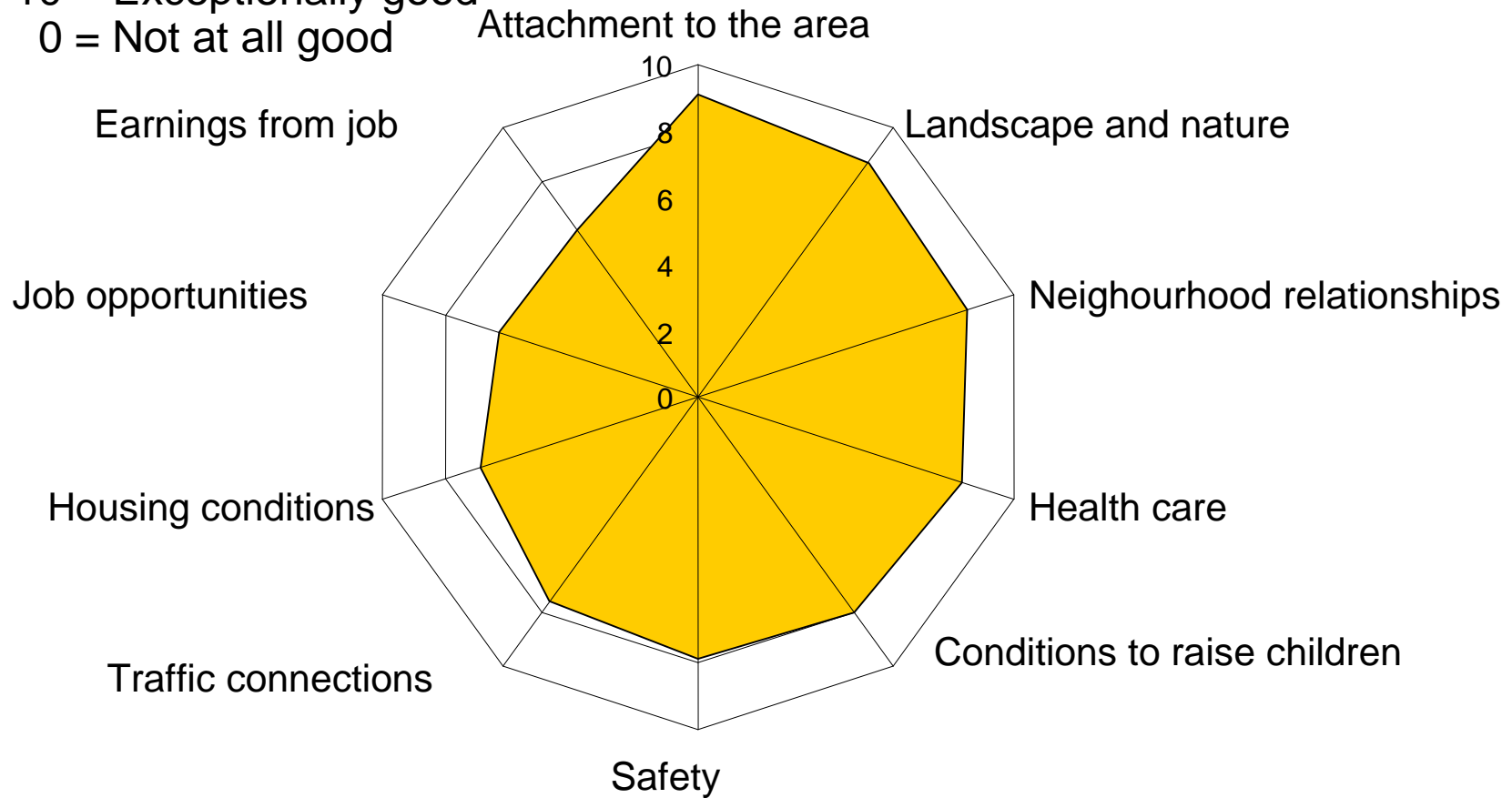
Source: Lindstroem 1992

Conceptual Model: Environment & Health



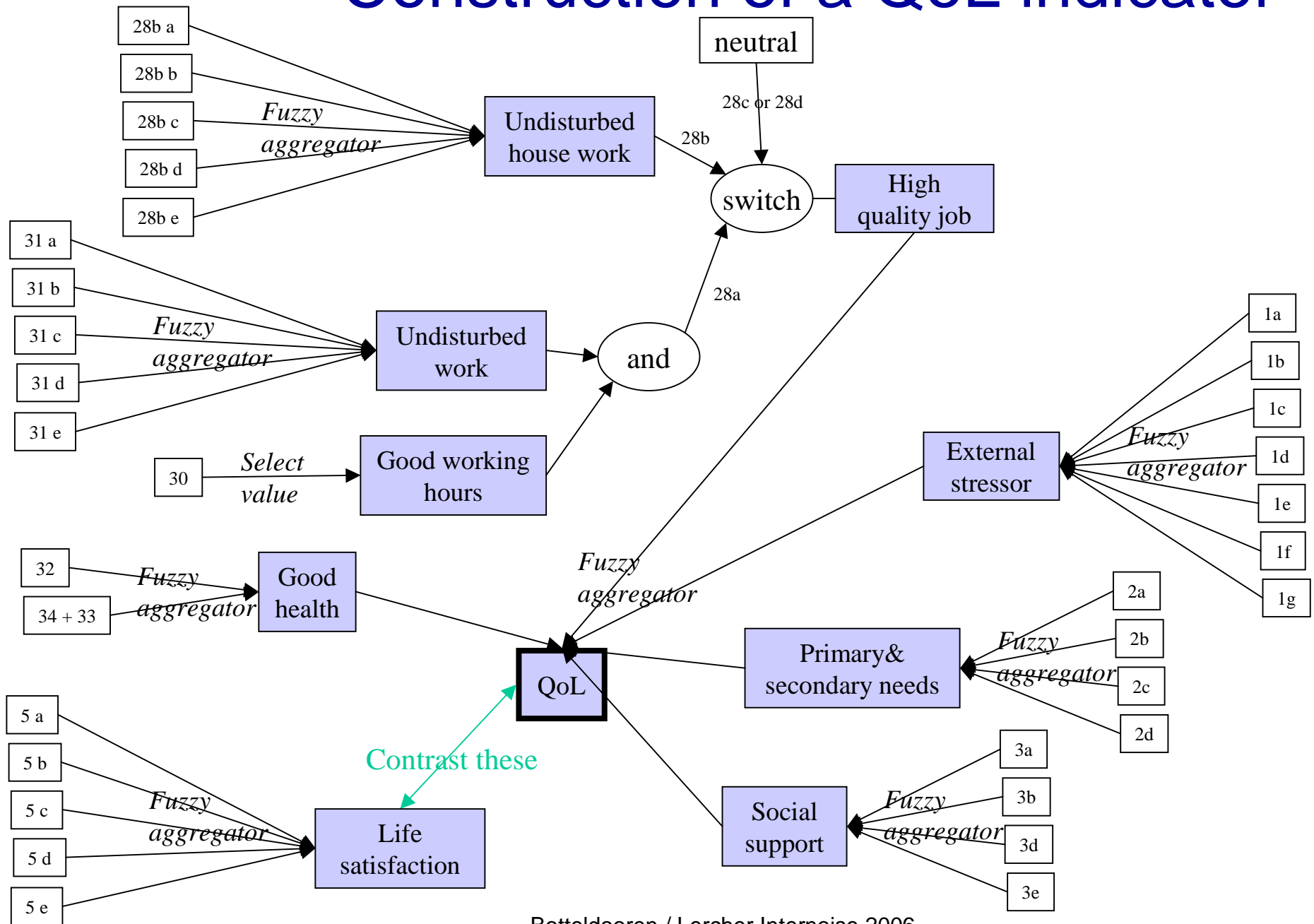
Source: Bullinger 1997

10 = Exceptionally good
0 = Not at all good



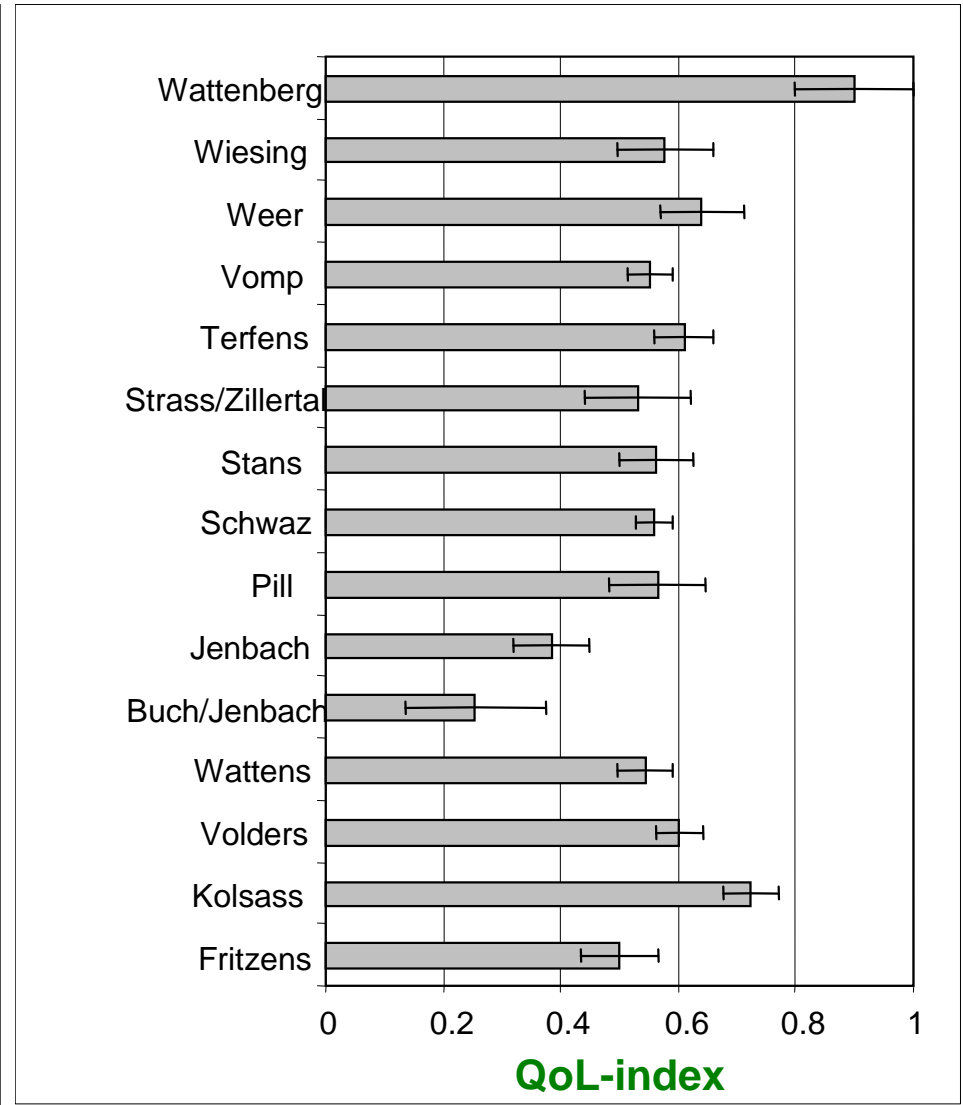
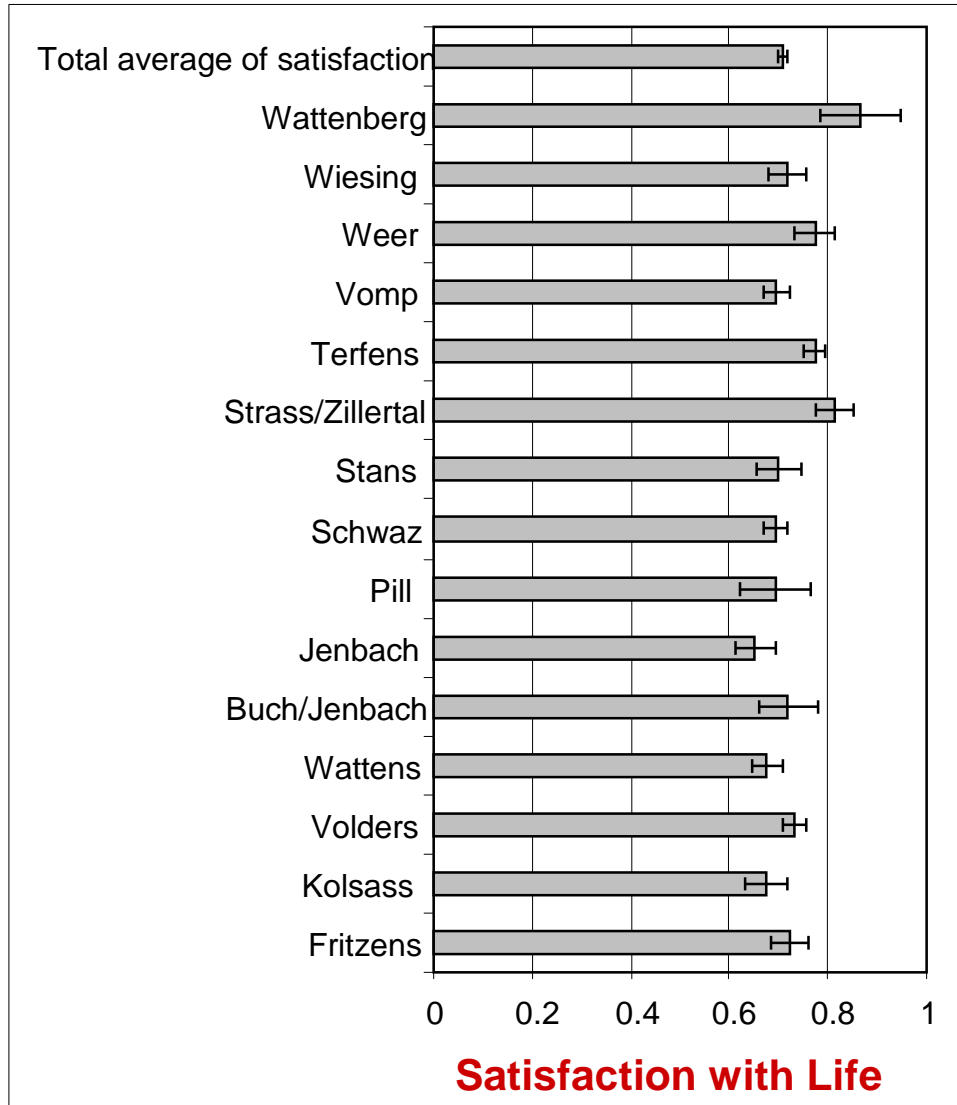
General judgement of living conditions by category: means

Construction of a QoL indicator



Satisfaction with Life **versus** Quality of Life

Quite different variation at community level



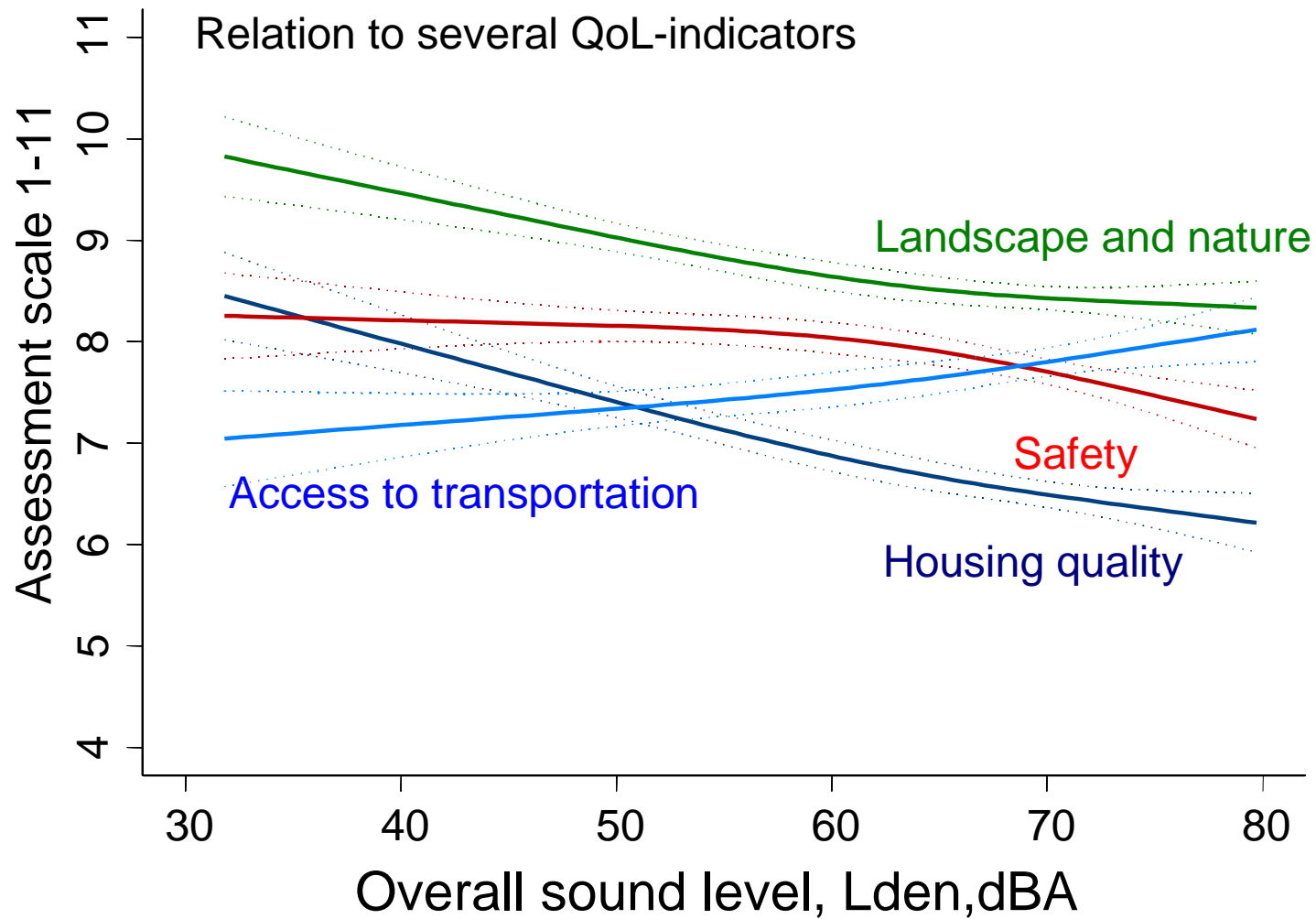
Selected examples of contextual factors known to influence response to noise

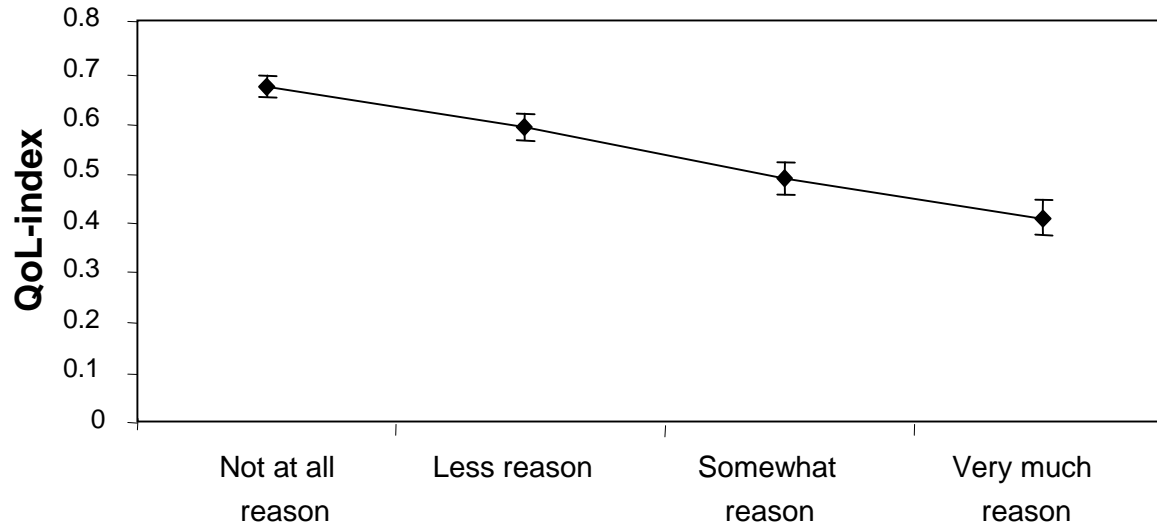
Climate	Geography Architecture	Environment	Social ecology	Culture
cold, hot or moderate	nature/topography flat, hilly, valley, lake, sea	vibration air pollution odours	land use: residential mixed	habits and life style
seasons	area layout: the built environment	visual appearance	neighbour- hood relationships	meaning of living
prevailing winds	housing: type of house, common green, garden	density, room design	access to services recreation, safety	meaning of place

Source: Lercher P. Environmental noise: A contextual public health perspective.

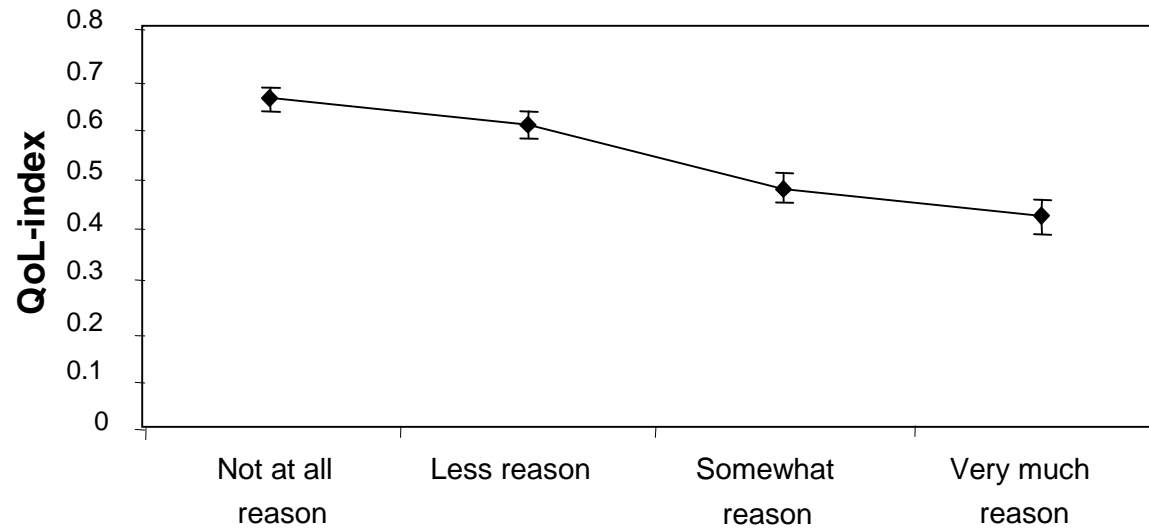
In: L. Luxon & D. Prasher (eds) Noise and its effects: pp 345-377. London: Wiley, London 2007.

Subjective quality of life: its relation to noise





Reasons to complain about noise exposure*



Reasons to complain about air pollution*

* Eurobarometer question

Botteldooren & Lercher, 2006 BBT-study