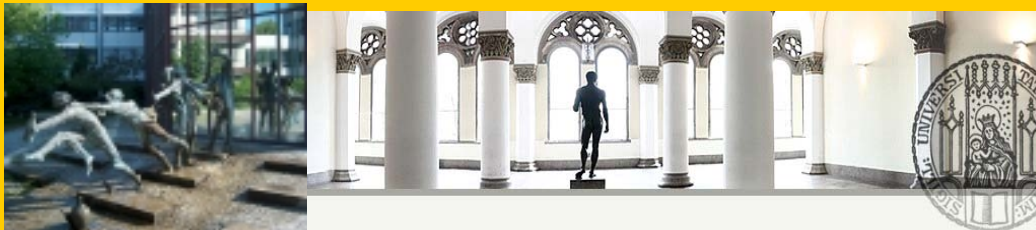




# From Evidence to Policy



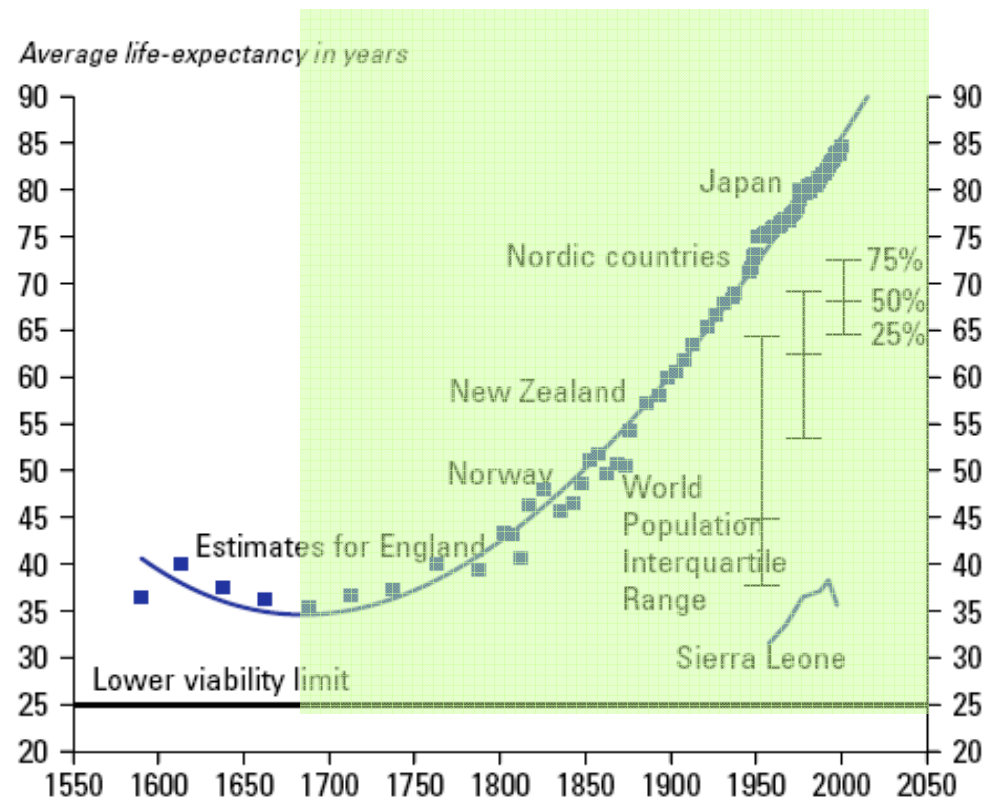
**Munich, November 2010**

**Prof. Manfred Wildner, MPH**  
**LGL Dept. Health + PSPH, LMU Munich**

# Life Expectancy

■ PH > 50%!

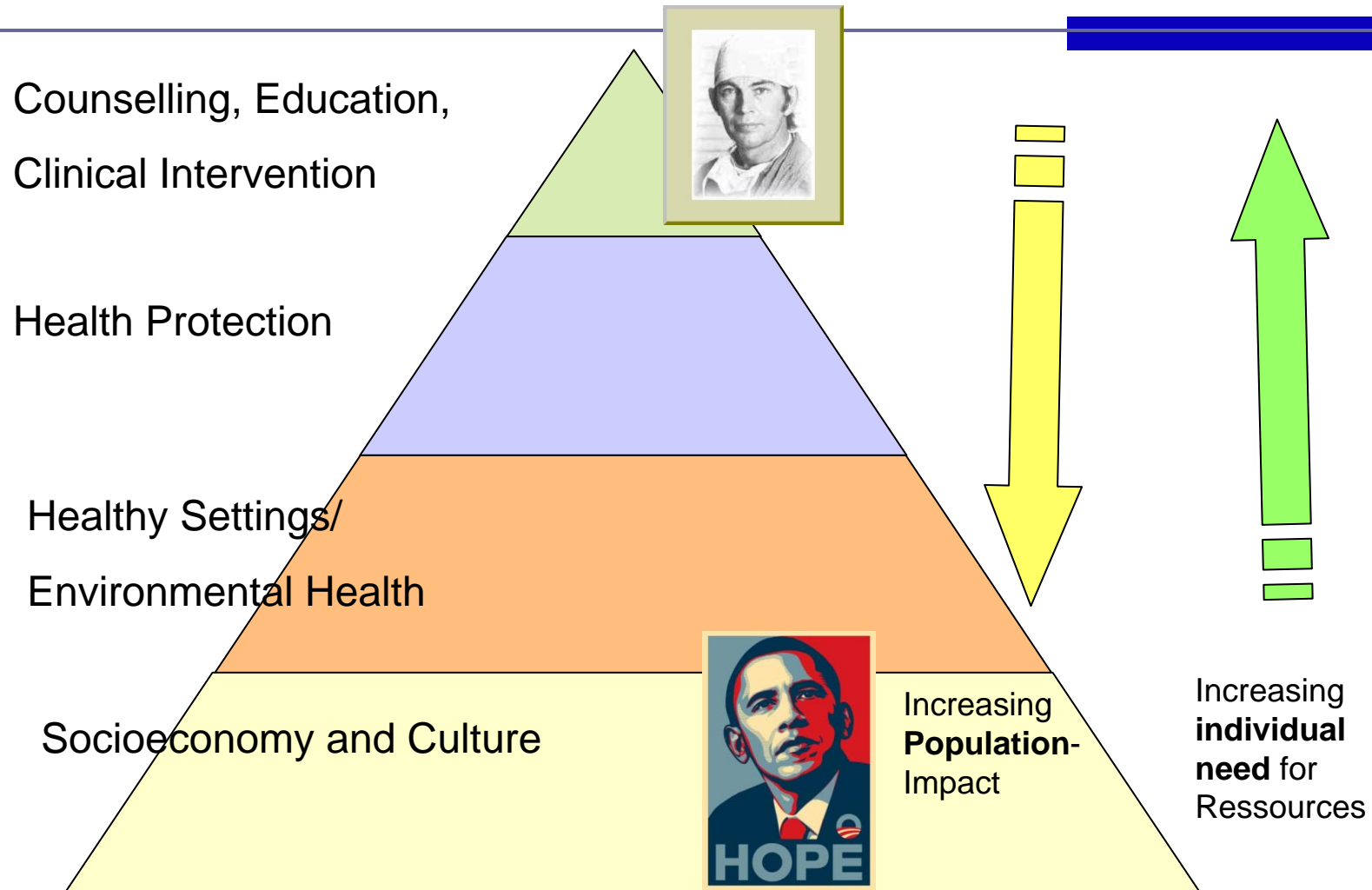
**Figure 1.1** Limits and Convergence for National Average Female Life-Expectancy at Birth



Source: Oeppen 1999.

# Health Impact Pyramide (mod. Nach Frieden, AJPH

100;2010:590-5)



# Cartoon

Hello... Can you tell me where I am?



# Cartoon



Yes... You are 30 ft. above ground, 0.5 miles west of a river and you are moving with a speed of 4.2 mph eastwards!



# Cartoon

... You must be a scientist!



# Cartoon



Yes... How do you know?



# Cartoon

... because you are  
telling me things that I  
don't want to know!



# Cartoon



... and you must be a politician!



# Cartoon

Yes – how do you know?



# Cartoon



... because you don't know where you are,

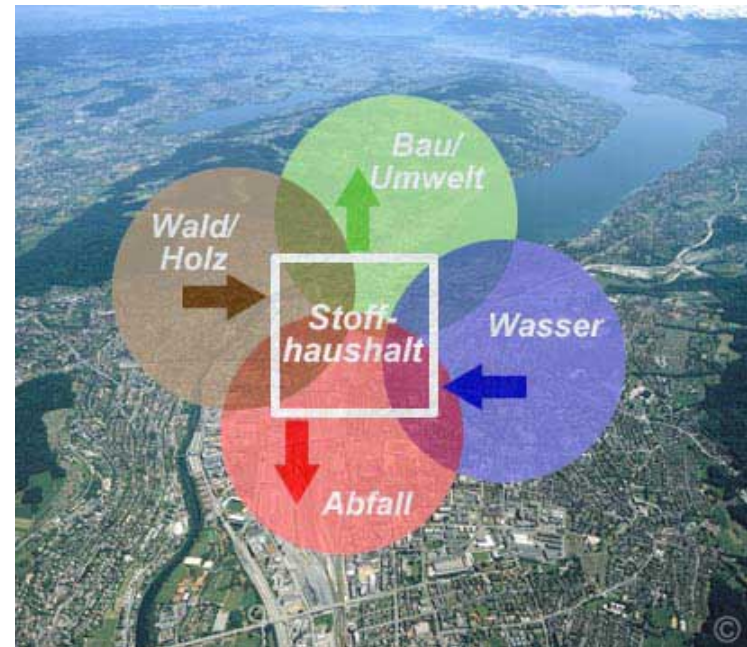
You don't know where you are going,

and you are blaming me for it!



# EbPH: Need for Bridges!

- connecting science and practice
- connecting professions and citizens
- connecting presence and future

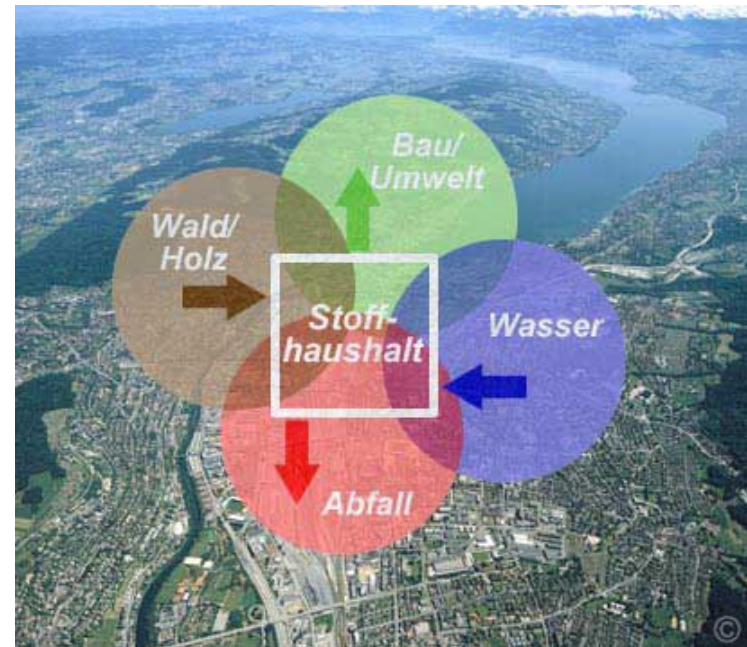


# EbPH: Need for Bridges!

- connecting science and practice
- connecting professions and citizens
- connecting presence and future

## Aims:

- healthy cities and settings
- healthy (health) economy and services
- healthy viewpoints and decisions



# The Emergence of Translational Epidemiology

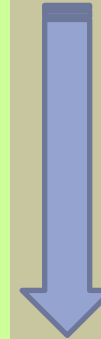
Khoury et al., Am J Epidemiol 2010;172:517-24

## Phases of Translation

- T0: ...from description and discovery
- T1: ...to health applications
- T2: ...to evidence guidelines
- T3: ...to health practice/programs
- T4: ...to population health outcomes



Knowledge  
synthesis (KS)\*



- \* Homogenous methods of Eb-KS across all phases?

# The Emergence of Translational Epidemiology

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## Phases of Translation

- T0: ...from description and discovery
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- T3: ...to health practice/programs
- T4: ...to population health outcomes  
regulators, other sectors and parties, translators/media

## Actors

research community  
clinical community  
expert organizations

experts, payors, reg  
experts, payors,

Knowledge  
synthesis

...plus ethics,  
support,  
lobbies,  
opportunities



- Heterogenous methods
- Varying actors
- Non-linear iterative processes

# Context matters - a Framework for EbPH

## Phases of Translation

- T0: ...discovery
- T1: ...applications
- T2: ...guidelines  
Benefits
- T3: ...practice/programs
- T4: ...outcomes

## From Experiment to Evaluation to Evolution

Experimental Evidence

Efficacy, Effectiveness

Efficiency, Economic

Ethics

Expectation



Individual(s),  
„Ex post“,  
controlled

Group(s),  
„Ex ante“,  
context

- Varying perspective(s)
- Varying time horizon
- Control vs. Context

# EbPH: From information to new Norm(ality)

## Phases of Translation

- T0: ...discovery
- T1: ...applications
- T2: ...guidelines
- T3: ...practice/programs
- T4: ...outcomes

RCT



## From Experiment to Evaluation to Evolution

Information  
Knowledge

Consciousness

→ Action

→ New Norm(ality)

Individual(s),  
„Ex post“,  
controlled

Group(s),  
„Ex ante“,  
context



- EbPH... Is NO linear extrapolation of EbM
- EbPH...methods are dependent on system levels
- EbPH...success is context dependent

# “Good Stewardship” – a (bio)divers garden?

John F. Kennedy:

[Address at American University,  
Washington D.C. \(10 June 1963\)](#)

**“... if we cannot end now  
our differences, at  
least we can help  
make the world safe  
for diversity!”**

