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WILHELMS-UNIVERSITÄT
MÜNSTER

The role of teachers in fostering transformational change towards lowemission and climate-resilient development

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VARKEY
TEACHER
AMBASSADORS PROGRAMME

institut für
sportwissenschaft



Building bridges to create global and ecological citizen

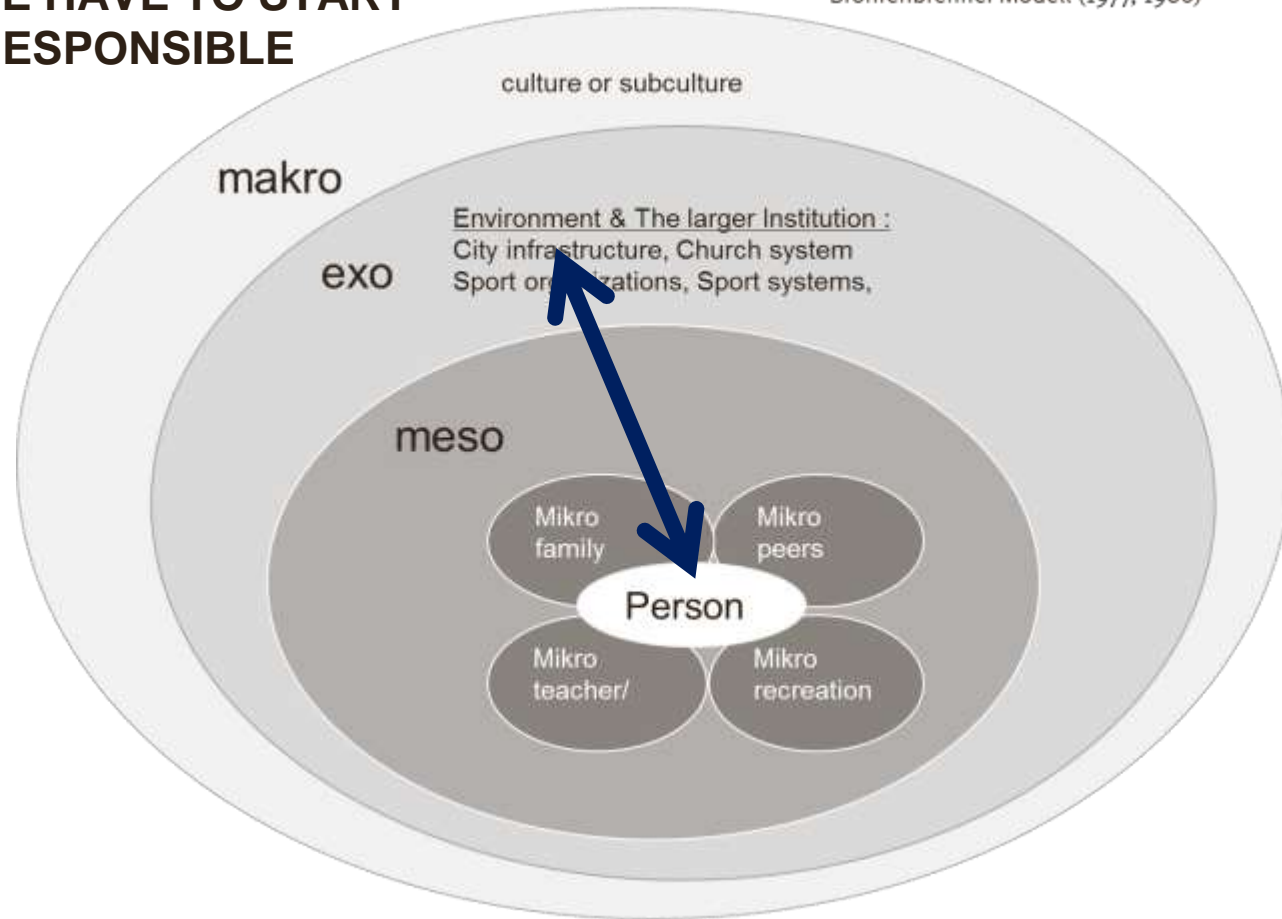
1. CHILDREN AS AGENTS OF CHANGE





2. USING EMPIRICAL RESEARCH TO GET AN UNDERSTANDING WHY WE HAVE TO START IN SCHOOL TO CREATE RESPONSIBLE ECOLOGICAL CITIZEN

Bronfenbrenner Modell (1977, 1986)





self-determined action in cooperative learning forms

belonging

participation

recognition

responsibility

3. USING ACTION-ORIENTED AND COOPERATIVE LEARNING METHODS



The students positive success and autonomy experiences lead to higher self-efficacy and has a positive impact on the self-concept. Cooperative and self-determined learning enables students to learn democracy, ecological responsible and get confident in its own competence



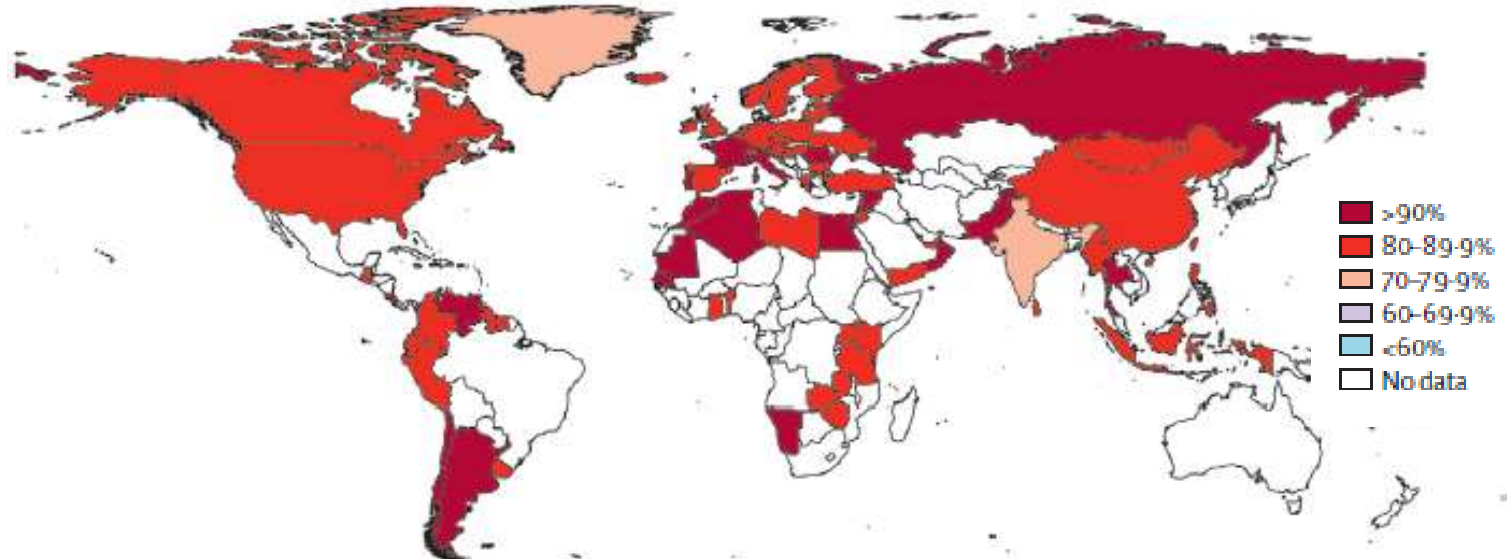
Climate science
why is the climate is
changing?

Mitigation
how can we try to
manage the change
and reverse it?

Adaptation
how will we need to
adapt to its impacts?



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5. ENHANCING AN ACTIVE AND PHYSICAL LIFESTYLE CAN REDUCE THE AIR POLLUTION

TO BE PHYSICALLY ACTIVE IN ADULTHOOD WE NEED TO BE PHYSICALLY ACTIVE IN CHILDHOOD.





1. AGENTS OF CHANGE

2. USING EMPIRICAL RESEARCH

**3. ACTION-ORIENTED AND COOPERATIVE
LEARNING**

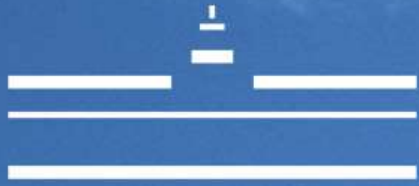
**4. HANDS-ON KNOWLEDGE
BUILDING ROADMAPS OF ACTION**

5. ACTIVE AND PHYSICAL LIFESTYLE



- EMPATHY
- SELF-CONFIDENCE
- SELF-EFFICACY
- MOTIVATION
- OPEN MINDED
- SELF-ORGANIZED
LEARNER





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Thank you

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Healthy
physical
fitness

Mental
flexibility

Working
memory



Motivation

Self-
esteem

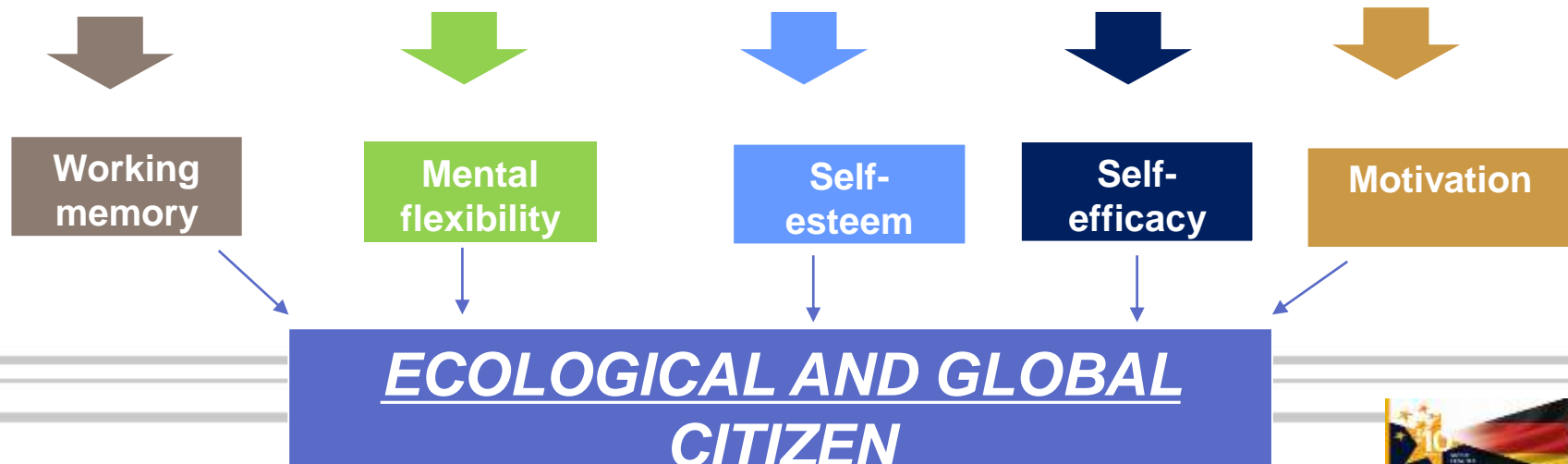
Self-
efficacy



➔ The students positive success and autonomy experiences lead to higher self-efficacy and has a positive impact on the self-concept. Cooperative and self-determined learning enables students to learn democracy, ecological responsible and get confident in its own competence.

➔ Self-organized activities enable autonomous and self-determined decisions and social integration. This particularly highlighted self-responsibility and self-efficacy. Children and adolescents experience themselves as competent and self-effective in their acting.

3. USING ACTION-ORIENTED AND COOPERATIVE LEARNING METHODS

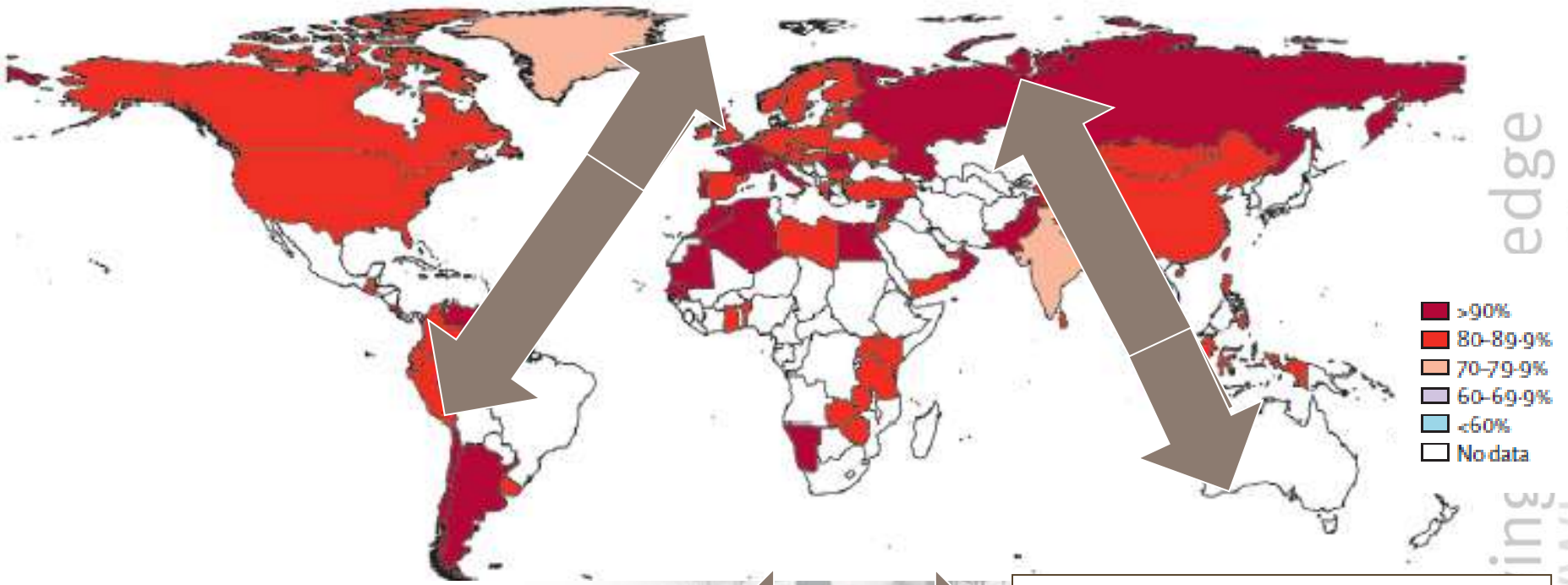


Imagine you are a child...



Physical activity
e.g. Hallal et al. (2012); Das & Horton (2012); Muthuri et al. (2014)

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Self-concept
e.g. Marsh et al. 2006; Ghanbari, 2015

Physical fitness
Health-related physical fitness
e.g. Strong et al. (2005); Malina (2007)





Weekly meetings with the sportmentor kids // doing physical activity

- Children with unfavourable development condition (german and refugee children)
- Giving each child an equal opportunity and encourages these children
- University Students who becoming teachers
- Getting a better understanding of children and a pedagogy competence

Sportmentor Project

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Sport

