



# Nutzen und Wirksamkeit von Anpassungsmaßnahmen:

## 3 Anregungen für RegiKlim

*Matthias Garschagen*

*Chair in Human Geography, LMU Munich  
IPCC Lead Author SROCC, AR6, SYR*



# 3 Anregungen für RegiKlim

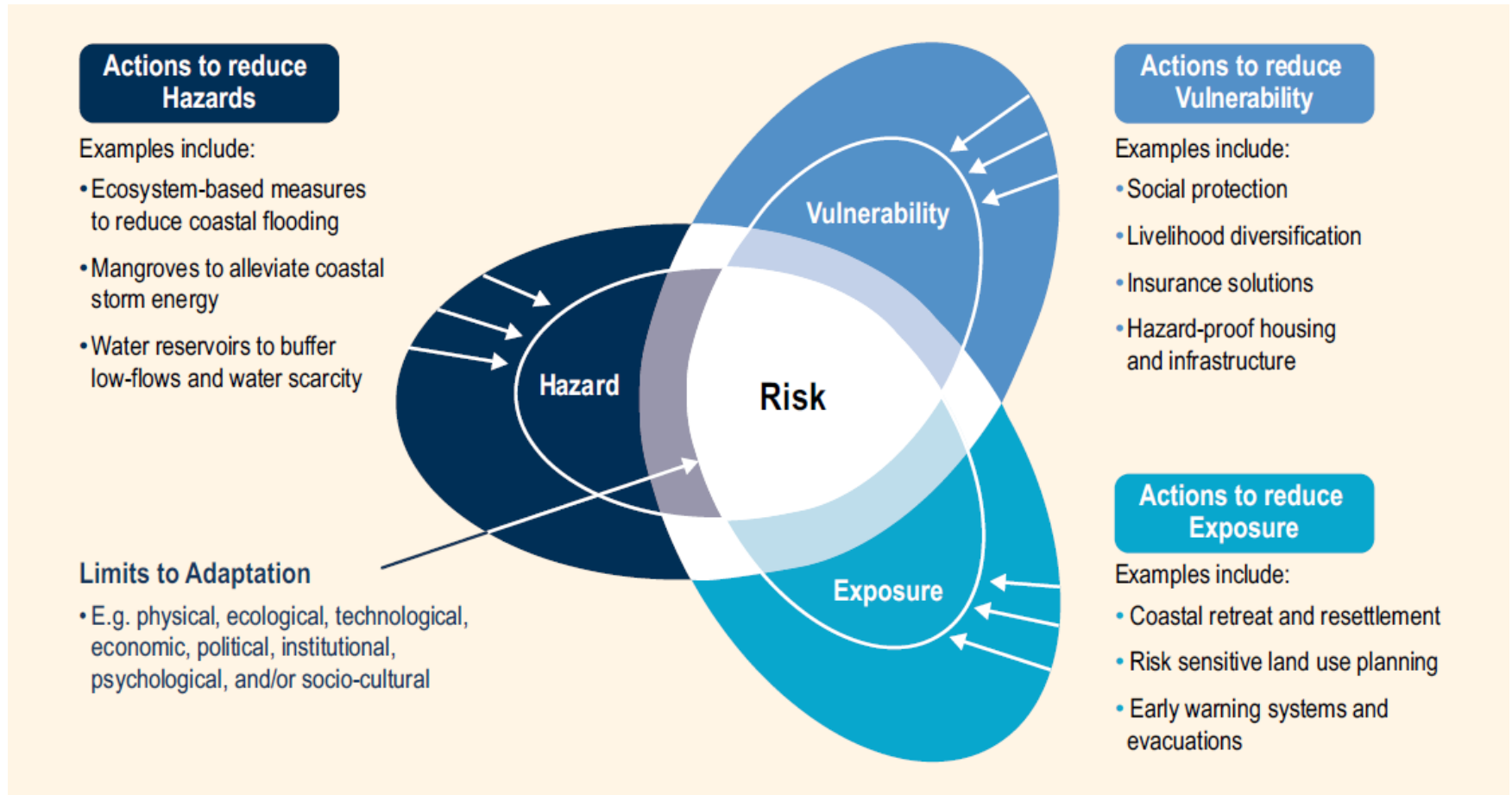


- Anpassungsziele

# 3 Anregungen für RegiKlim



- Anpassungsziele
- Multidimensionalität von Wirksamkeit



Quelle: Garschagen et al. 2019, in IPCC-SROCC

# 3 Anregungen für RegiKlim



- Anpassungsziele
- Multidimensionalität von Wirksamkeit Feasibility
- Multidimensionale „Feasibility“

# Feasibility

Feasibility Dimensions	Adaptation Indicators	Mitigation Indicators
<b>Economic</b>	Microeconomic viability Macroeconomic viability Socio-economic vulnerability reduction potential Employment & productivity enhancement potential	Cost-effectiveness Absence of distributional effects Employment & productivity enhancement potential
<b>Technological</b>	Technical resource availability Risks mitigation potential	Technical scalability Maturity Simplicity Absence of risk
<b>Institutional</b>	Political acceptability Legal & regulatory feasibility Institutional capacity & administrative feasibility Transparency & accountability potential	Political acceptability Legal & administrative feasibility Institutional capacity Transparency & accountability potential
<b>Socio-cultural</b>	Social co-benefits (health, education) Socio-cultural acceptability Social & regional inclusiveness Intergenerational equity	Social co-benefits (health, education) Public acceptance Social & regional inclusiveness Intergenerational equity Human capabilities
<b>Environmental/Ecological</b>	Ecological capacity Adaptive capacity/ resilience building potential	Reduction of air pollution Reduction of toxic waste Reduction of water use Improved biodiversity
<b>Geophysical</b>	Physical feasibility Land use change enhancement potential Hazard risk reduction potential	Physical feasibility (physical potentials) Limited use of land Limited use of scarce (geo)physical resources Global spread

Quelle: IPCC SR1.5, Ch. 04, Table 4.10

System	Adaptation Option	Evidence	Agreement	Ec	Tec	Inst	Soc	Env	Geo	Context
Urban & Infrastructure System Transitions	Sustainable land-use & urban planning	Medium	Medium	Light	Light	Light	Light	Light	Dark	Depends on nature of planning systems and enforcement mechanisms
	Sustainable water management	Robust	Medium	Dark	Dark	Light	Light	Light	Dark	Balancing sustainable water supply and rising demand, especially in low-income countries
	Green infrastructure & ecosystem services	Medium	High	Light	Dark	White	Dark	Dark	Light	Depends on reconciliation of urban development with green infrastructure
	Building codes & standards	Limited	Medium	Light	Light	Light	Light	Light	Light	Adoption requires legal, educational, and enforcement mechanisms to regulate buildings

**Table 4.12 |** Feasibility assessment of examples of 1.5°C-relevant adaptation options, with dark shading signifying the absence of barriers in the feasibility dimension, moderate shading indicating that, on average, the dimension does not have a positive or negative effect on the feasibility of the option, or the evidence is mixed, and light shading indicating the presence of potentially blocking barriers. No shading means that sufficient literature could not be found to make the assessment. NA signifies that the dimension is not applicable to that adaptation option. For methodology and literature basis, see supplementary material 4.SM.4.

Abbreviations used: Ec: Economic - Tec: Technological - Inst: Institutional - Soc: Socio-cultural - Env: Environmental/Ecological - Geo: Geophysical