Sustainability Assessment for Planning Development Interventions Within the Framework of the Sustainable Development Goals

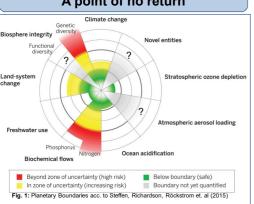


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Planetary Boundaries -A point of no return



The planetary boundaries concept claims that four out of nine boundaries are already crossed and emphasizes transdisciplinary approach for sustainable development.

→ SDGs as prerequisites to avoid further violations of planetary boundaries?

From MDGs to SDGs



In contrast to the MDGs. the SDGs provide a more extensive framework being structured in goals and 169 specific targets which encompass environmental aspects.

However, there exist some shortcomings, i.a.

- Role of non-state actors not sufficiently integrated into SDGs
 SDGs are based upon voluntary incentives instead of mandatory regulations
- . Cherry-picking of goals; no holistic direction for achieving the
- → How to ensure that SDGs are mainstreamed on the level of development projects?



Case Study: HORTINLEA (Horticultural Innovation and Learning for Improved Nutrition and Livelihood in East Africa)



OF THE URBAN AND RURAL POOR

Fig. 4: Structure of HORTINLEA Subprojects (SP). HORTINLEA (2015)

37211 HORTINLEA is an interdisciplinary research project addressing food security in East Africa, particularly in Kenya. HORTINLEA uses an integrated approach that encompasses the entire value chain from production to marketing and consumption of leafy vegetables (AIVs) and integrates poverty, environmental and gender dimensions.

Coverage of SDGs in project outcomes

Fig. 5: Relevancy score for the HORTINLEA project SDG 1: Ending poverty SDG 17: Strengthen SDG 2: Food & nutrition security, 10,00 implementation and partnership sustainable agriculture 9,00 SDG 16: Accountable and 8,00 SDG 3: Health and well-being inclusive institutions 7,00 6,00 SDG 15: Sustainable use of SDG 4: Inclusive quality education 5,00 ecosystems, biodiversity and lifelong learning 4,00 3,00 SDG 14: Sustainable use of marine SDG 5: Gender equality and 2,00 resources empowerment 1,00 SDG 13: Combatting climate SDG 6: Sustainable management change of water and sanitation SDG 12: Responsible consumption SDG 7: Access to modern energy and production SDG 11: Sustainable human SDG 8: Sustainable economic

Potential solution: Ex ante impact assessment -Scoring system application

settlements

SDG 10: Reduction of inequalities

- 1. Decompose the exact wording of the SDG subgoal; count the number of
- 2. For each component, check if there is a matching activity (see example below)
- 3. Divide the number of matches and total components, multiply by 10 to get the
- 4. Repeat steps 1-3 for all SDG subgoals. Total the score and divide over the maximum score.

1.4 Equal rights to economic resources, basic services, ownership and control over technology and financial services 5 components 3 matches, 2 non-matches

3/5*10 = 6

Some HORTINLEA project innovations and new technology applications are specifically targeted at women. Market opportunities in this area may be very beneficial to women. Innovative gender solutions such as ready-tocook AIVs and AIV recipe books may have a positive effect in terms of more equal care work in the household and contribute to a re-shifting of power relations within the household

Challenges and Outlook

SDG 9: Sustainable growth & decent jobs

industrialization & innovation

- Equal and strong founded transdisciplinary partnerships as core of SDG implementation to foster ubiquitary adopted
- Ex ante impact assessment allows to identify necessary perspectives and missing activities of planned development interventions
- Can be used as a mean for implementing SDGs; depicts, however, a constant trade-off with funding requirements and objectives of project partners
- Allows to reflect on the role of curricula and capacity building

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