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Learning for sustainable development in biosphere reserves

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- Why do we need education for sustainable development?
- Our common point of reference: The Global Action Programme on Education for Sustainable Development
- What is the potential of the ESD Concepts and ESD Practice?
- What could we learn and bring forward together in an ESD-Network for Biosphere Reserves?

Why do we need education for sustainable development?

MAB focus on people – environment relationships

Biosphere Reserves (BRs) offer the opportunity for generating knowledge and for learning how to shape this relationship in a sustainable way



ESD as part of
Biosphere Reserve's Sustainable Development
in formal and informal learning processes

Why do we need education for sustainable development?

If we understand learning of all relevant stakeholders as part of the development of a biosphere reserve,

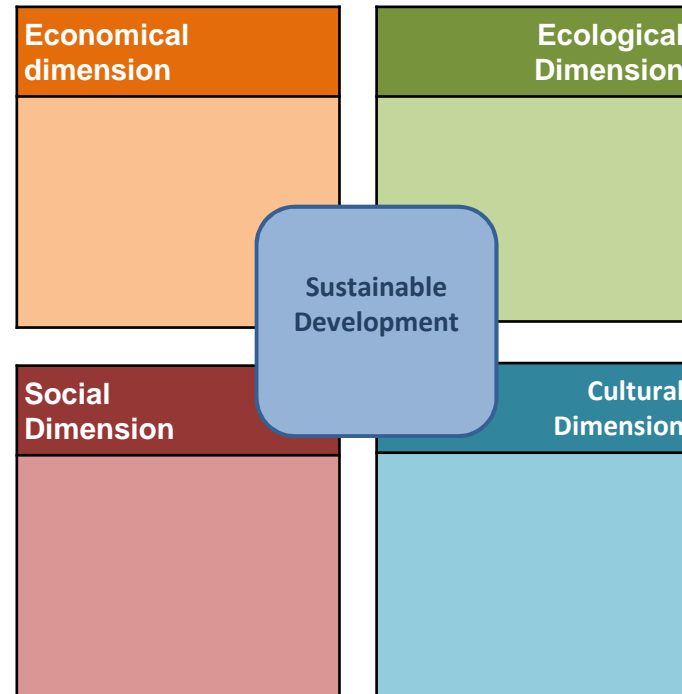
ESD addresses different target groups:

- Children, youth and adults
- inhabitants and visitors
- municipal authorities, and decision makers in politics, enterprises and other places of work
- the staff of the biosphere reserve itself
- Educational institutions

Why do we need education for sustainable development?

ESD helps to integrate and reflect

ecological,
economical,
social
and cultural aspects



of decisions towards a more sustainable development

Our common point of reference:

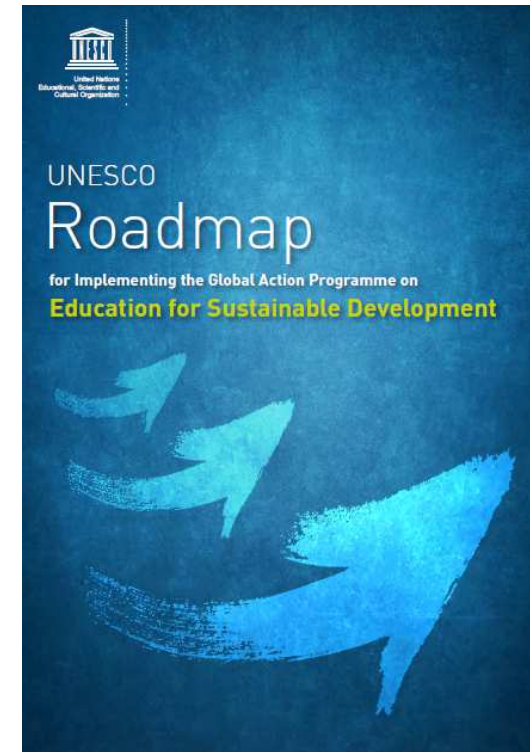
The Global Action Programme on Education for Sustainable Development

Objective 1

“to reorient education and learning so that everyone has the opportunity to acquire the knowledge, skills, values and attitudes that empower them to contribute to sustainable development”

Objective 2

“to strengthen education and learning in all agendas, programmes and activities that promote sustainable development”



Our common point of reference:

The Global Action Programme on Education for Sustainable Development

Five priority action areas

- 1 Advancing policy:** mainstream ESD into both education and SD policies, to create an enabling environment for ESD and to bring about system change
- 2 Transforming learning and training environments:** integrate sustainability principles into education and training settings
- 3 Building capacities of educators and trainers:** increase the capacities of educators and trainers to more effectively deliver ESD
- 4 Empowering and mobilizing youth:** multiply ESD actions among youth
- 5 Accelerating sustainable solutions at local level:** at community level, scale up ESD programmes and multi-stakeholder ESD networks

What is the potential of the ESD Concept and ESD Practice?

ESD is a concept and practice to

- address key questions of Sustainable Development
- help to acknowledge and review values and goals of SD
- focus on issues of complexity and systemic interrelations between local, regional and global processes
- put special emphasis on people, their relations with nature, the built environment and among each other

ESD requires a new learning culture

- Participation and co-operation among social and cultural groups, communities, and institutions
- Co-operation between different generations
- Taking into account different perspectives, ideas, forms and levels of knowledge (including indigenous and traditional knowledge)
- Acknowledging people's capacity to raise important questions and observe, collect and report useful data as part of „citizen science“

What is the potential of the ESD Concept and ESD Practice?

ESD requires skilled professionals as part of BR administration

- Help diverse target groups and stakeholders to participate in learning and planning for their own future
- Encourage local communities and municipal authorities to develop community-based ESD
- Create their own projects for generating knowledge and learning sites
- Organize and supervise networking with formal as well as non-formal and informal learning programs
- Participate actively in sharing experiences in ESD practice within the WNBR