

The 12 Key Issues of Education for Sustainable Development

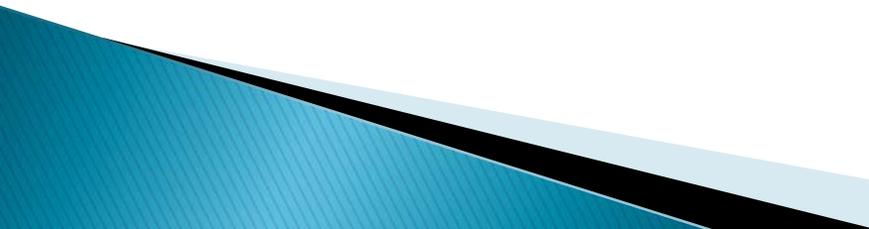
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The 12 Key Issues of ESD

1. ESD scope
2. Political pillar
3. Sustainability indicators & indices, accounting and reporting
4. Environmental pillar
5. Social pillar
6. Economic pillar
7. ESD methodologies
8. Transformative learning
9. Building capacity, special pedagogies
10. Cooperation
11. SD institutions
12. SD documents



Scope, Policy, and Metrics

1. **Scope:** SD and ESD definitions, holistic education at all levels (primary to tertiary), life-long, formal, non-formal and informal, teaching and learning, ESD key milestones, ESD competences
 2. **Policy:** vision, mission etc., peace and non-violence, rule of law, public awareness and participation, justice, strong institutions, power and influence distribution, equal development of communities and cities, countries and regions, partnerships, population control (→ zero-growth)
 3. **Sustainability metrics:** indicators and indices, accounting and reporting
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SD Pillars

1. **Environmental:** climate change, adaptation & mitigation, pollution prevention and zero waste, life cycle approaches, biodiversity, disaster risk reduction, the 6 Lisbon principles (responsibility, scale-matching, precaution, adaptive management, full cost allocation, and participation)
2. **Social:** human rights, quality education, health and well-being, equalities (gender, income, living standard, creativity), decent work, hunger and poverty reduction, security, cultural diversity, sustainable urbanisation and life styles
3. **Economic:** resource (raw materials, energy, water, air, land) efficiency and circular economy, sustainable consumption and production, R & D & Innovations & entrepreneurship of all the stakeholders
4. **Integration of the pillars to increase the SD area**

ESD Teaching and Learning

1. ESD methodologies: participatory teaching and learning, student centred teaching, critical, interdisciplinary, and systems thinking, creativity, and imagining future scenarios (envisioning)
 2. Transformative learning & training, history, infrastructure and environments, developing case studies, projects financing
 3. Building capacity: for educators and trainers at all levels, media, pedagogies, tools, literature, project reports, and presentations (Ppts, videos, etc.)
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Cooperation, Institutions & Documents

1. Cooperation: empowering and mobilizing youth and aged people, intergenerational cooperation; cooperation between stakeholders (institutions, companies, etc.)
 2. SD institutions: UN, UNESCO, UNCED, UNEP, UNECE, EEA/EPA, CA, NGOs
 3. SD documents: international agreements & declarations, UN Sustainable Development Goals, Agenda 21, ISO standards, action plans, and roadmaps
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3 Key Learnings and 1 Challenge

Key Learnings:

1. Holistic education
2. Stakeholder awareness, participation and cooperation
3. Building capacity of all the stakeholders

Challenge:

1. Timely evolution of the human society towards a deep transformation
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**Thank you for your
attention**

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