



Teacher Education for sustainable development

Oscarsborg 25-27 november 2009

2005-2014: UN decade for education for sustainable development



Aim:

- Focus on how education can contribute to sustainable development

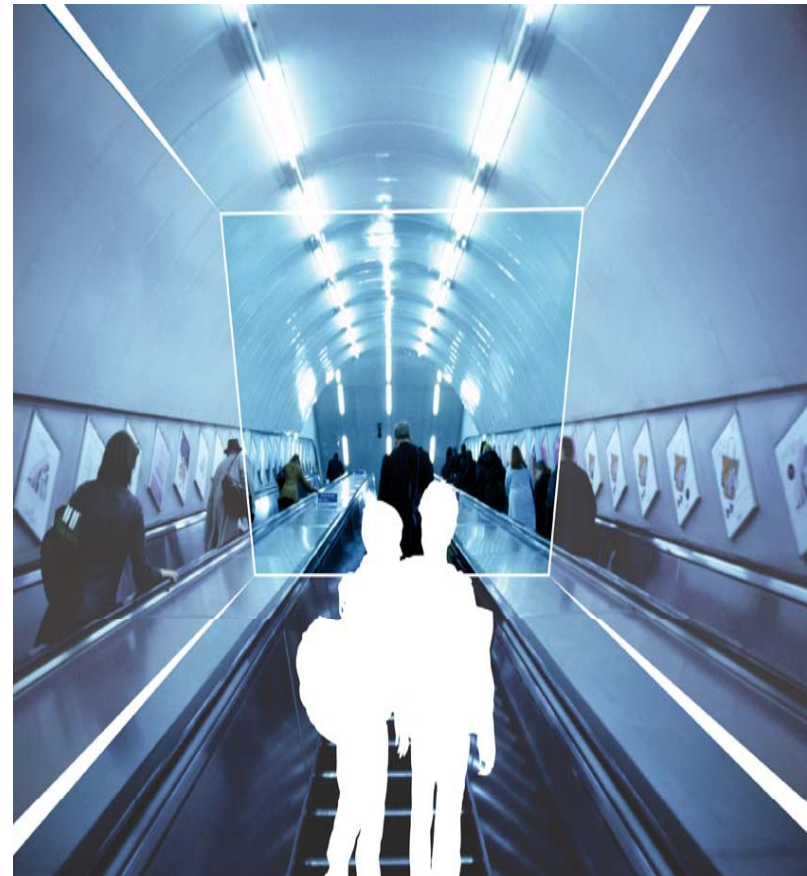


” Knowledge about sustainable development must be intergrated in all subjects in the Norwegian scools”

(Astrid Nøklebye Heiberg, leader of the Norwegian UNESCO Comission, March 2005)

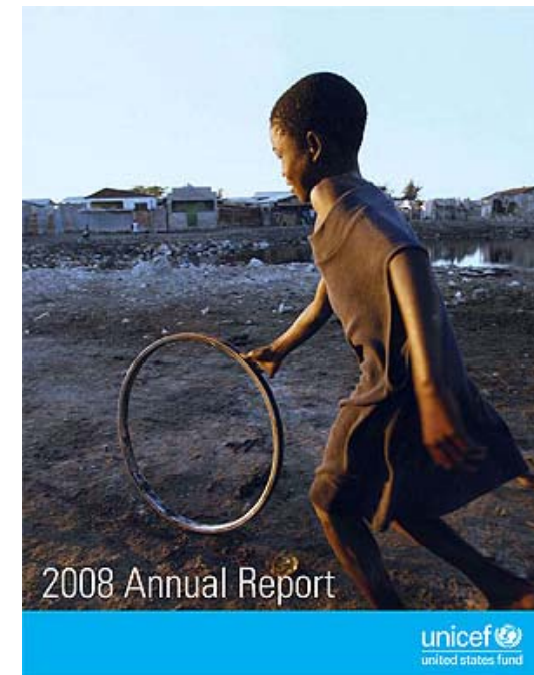
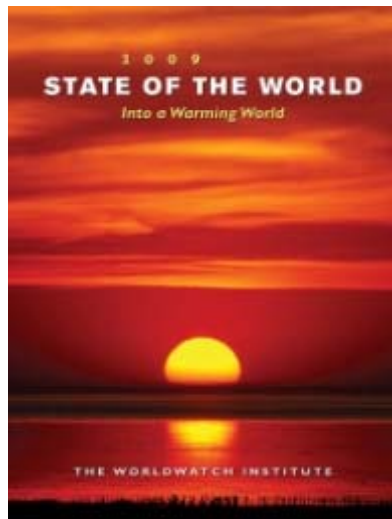
2006: Implementation of new curriculum: "Knowledge Promotion" (Kunnskapsløftet)

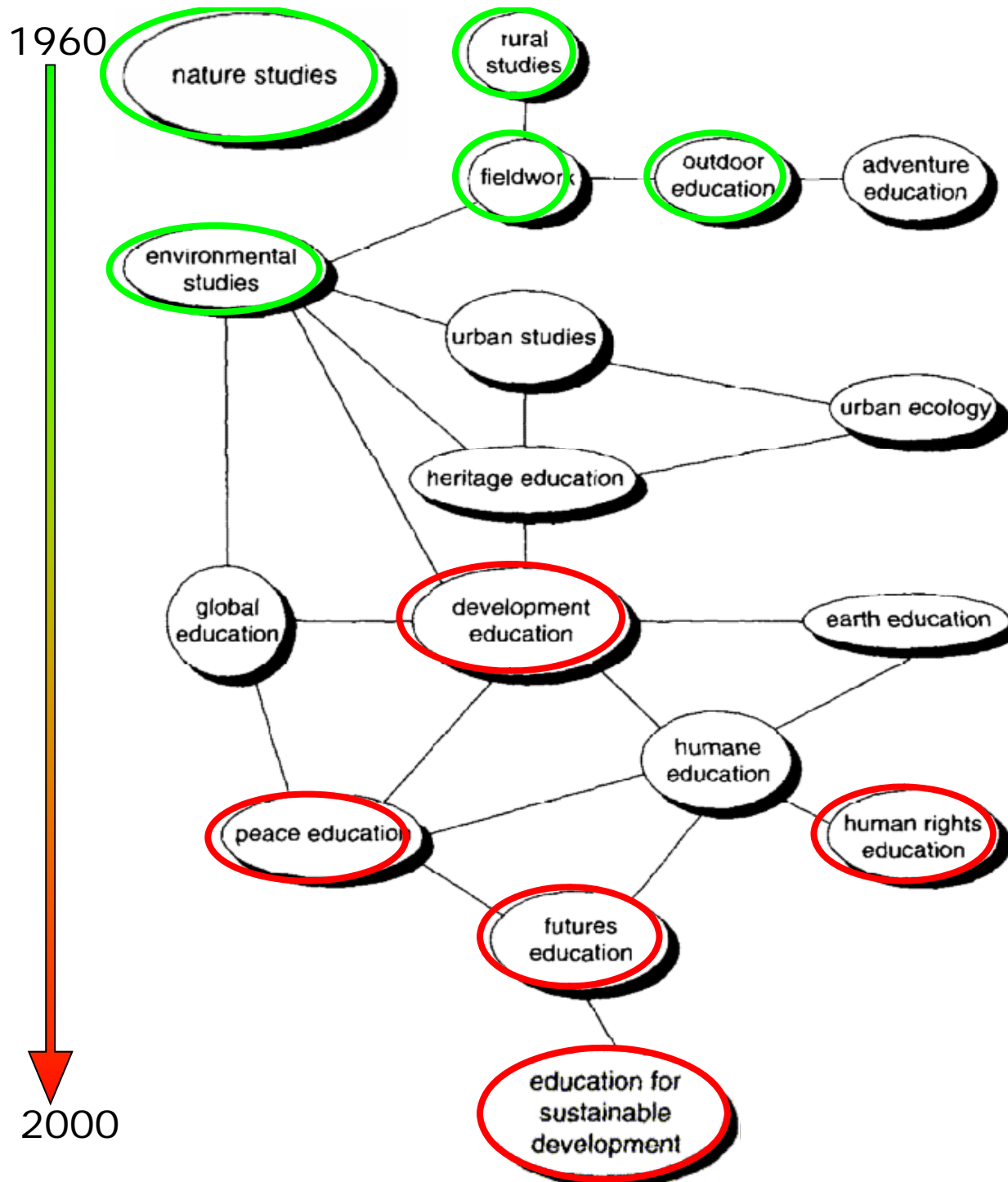
- What role does education for sustainable development play in the new curriculum?



Some facts to think about...

- $\frac{1}{4}$ Of the worlds poulation lack access to clean drinking water
- Every day (EVERY DAY) 30 000 children die from deseases that could easily be cured
- 800 million people are starving
- Global warming leads to changed climate that leads to draught, floods, loss of biodiversity etc....





Vektlegging av ulike aspekter ved miljølære (Palmer, 1998)

Education for sustainable development: about, in and for the environment (Palmer 1998)

- “about”
 - Understanding and knowledge about the relationship between human beings and the environment

- “in”
 - Personal experience in nature

- “for”
 - Develop values and attitudes that makes pupils able to act for the environment

Science education for sustainable development is about:

- science
- environment
- development
- the worlds welfare gap
- pupils
- values



Challenges for science teachers:

(Kind, 2003; Kolstøe 2006)

- Science is by most science teachers considered to be objective
- Science teachers do not see themselves teaching about values
- Science education teaches a positivist perspective on science
- Science education teaches well established knowledge and has no tradition for teaching uncertain scientific knowledge, controversies and contested knowledge









Challenge of this conference:

- What knowledge do teachers need to provide pupils with necessary competencies to address the world's big challenges?
- What are the consequences for teacher training institutions educating these teachers?



Onsdag 25/11	Torsdag 26/11	Fredag 27/11
<p>Kl. 1430: Buss Oslo – Drøbak (innom UMB)</p> <p>Kl. 1600: Båt Drøbak – Oscarsborg</p> <p>Kl 1730: Registrering og vafler</p> <p>Kl. 1800-1830: Velkommen.</p> <p>Kort introduksjon til konferansen</p> <p>Astrid Sinnes</p> <p>Kl. 1830-1930: Education for sustainable development: What can Norway learn from other countries experiences?</p> <p>William Scott</p> <p>Kl. 1930-20: Oppstart</p> <p>v/ Solveig Strangstadstuen</p> <ul style="list-style-type: none"> - Mål med oppstart er avklaring og utveksling av tanker/ideer om hva vi ønsker med konferansen <p>Kl. 2030: Middag</p>	<p>Kl. 0800: frokost</p> <p>Kl. 0900-1015: Fremtiden: En utfordring for oss alle. Hvordan forbereder man en ny generasjon på store utfordringer?</p> <p>Øystein Dahle</p> <p>Kl. 1030 – 1200: Skolen som aktør for bærekraftig utvikling. Eksempel fra Aurland-prosjektet</p> <p>Aksel Hugo, Erling Krogh og Jorun Barane</p> <p>Kl. 1215-1330: lunsj.</p> <p>Kl. 1330-1430: Participatory and reflective methodologies in science and sustainability education: looking at teaching and learning processes in the scenario of socio-environmental change.</p> <p>Laura Colucci Gray</p> <p>Kl. 1500-1630: Undervisning for kritisk deltakelse i miljøsaker. Stein Dankert</p> <p>Kolstøe og Erik Knain</p> <p>Kl. 1630-1730: Oppsummering fra gruppene. v/ S. Strangstadstuen</p> <p>Kl. 1800:</p> <p>Jubileumsmiddag: SLL 10 år! Antrekk: pent og ledig.</p>	<p>Kl. 0800: frokost</p> <p>Kl. 0900-1000: Ny naturvitenskaplig kunnskap. Hva bør elever lære? Dag Hessen</p> <p>1000- 1030: Den naturlige skolesekken.</p> <p>Anders Isnes</p> <p>Kl. 1100-1200: Introduksjon til utviklingsarbeid i grupper</p> <p>v/ Solveig Strangstadstuen</p> <p>Kl. 1200-1300 Lunsj</p> <p>Kl. 1300-1400: Oppsummering fra gruppene i plenum + diskusjon</p> <p>v/ Solveig Strangstadstuen</p> <p>Kl. 1400-1430: Veien videre.</p> <p>1430: Seminarslutt</p> <p>Kl. 1445: Båt Oscarsborg – Drøbak</p> <p>Kl. 1500: Buss Drøbak – Oslo S.</p>

Veien videre / the road ahead

- Inspired
- Knowledge
- Network
- Courses for teachers

UBUNTU



I am because we are

Welcome to Oscarsborg!!!!

