Learning to Change the Future

A bird’s-eye view of the history of the IUCN Commission on Education and Communication
by Frits Hesselink and Jan Čeřovský
Annex 1. Glossary and acronyms

CBD – Convention on Biological Diversity

CEC – IUCN Commission on Education and Communication

CEESP – IUCN Commission on Environmental Economics and Social Policy

CEL – IUCN Commission on Environmental Law

CEM – IUCN Commission on Ecosystem Management

CEPA – Communication, Education and Public Awareness, acronym used in the environmental conventions for the range of social instruments that can be used to support their implementation at the national and local level.

CITES – Convention on the International Trade in Endangered Species

Communication – Communication is an activity in which a sender transmits a message, with or without the aid of media and vehicles, to one or more receivers, and vice versa. The way in which communication takes place is referred to as the communication process. The ideal form of communication is a two way process aimed at mutual understanding, sharing of values and action. For governments the two-way exchange of information is a means to gain cooperation of groups in society by listening to them first and clarifying why and how decisions are made. In an instrumental approach, governments use communication with other instruments to support biodiversity conservation to address economic constraints and to motivate action. Governments also use one-way communication to inform audiences about policies and legislation¹.

COP – Conference of the Parties to a Convention

ECEE – European Committee for Environmental Education, established in 1994 by merging of the three existing European (sub) regional committees of CEC

EduC – Acronym for IUCN Commission on Education, the first name of CEC

Education – Education is the guiding of learning processes in the form of instruction, experiencing or setting examples. Formal education is the hierarchically structured, chronologically graded educational system running from primary through the tertiary institutions. Non formal education activities are organized educational activities outside the established formal system, intended to serve an identifiable learning clientele with identifiable objectives. Informal education is the process whereby every individual acquires attitudes, values, skills and knowledge from daily experience, such as family, friends, peers and media. Education is a set of processes that can inform, motivate and empower people to support biodiversity conservation, not only by making lifestyle changes, but also through promoting change in the way that institutions, business, and governments operate².

EE - Environmental Education refers to the overall field of education which engages learners with their environments, be they natural, built or social. The range of practices and approaches to Environmental Education have evolved significantly since the term was first used in the late 1960s. Initially in the 1970s educators perceived Environmental Education as 'education about the environment' which focuses on developing knowledge and
understanding. Environmental Education then progressed to favour the approach of 'education for the environment' with its focus on participation and action to improve the environment. Currently within Environment Education one can still find examples of all these approaches in practice. The most recent development in Environmental Education theory and practice is 'education for sustainability'. This approach challenges current practice in several ways to achieve more systemic change towards sustainability³.

EEC – East Europe Committee, established 1967, the second regional committee of CEC

EEP – East Europe Programme of the IUCN, launched at the IUCN General Assembly in San José, Costa Rica, with the aim to strengthen the development of nature conservation in Central and Eastern Europe through support from IUCN.

ESD – Education for Sustainable Development has crystallized as a result of international agreements and the global call to actively pursue sustainable development. It provides a new orientation for current practice in Environmental Education. This new orientation attempts to move beyond education approaches in and about the environment to focus on equipping learners with the necessary skills to be able to take positive action to address a range of sustainability issues. Education for sustainability motivates, equips and involves individuals and social groups in reflecting on how we currently live and work, in making informed decisions and creating ways to work towards a more sustainable world. Underpinned by the principles of critical theory, education for sustainability aims to go beyond individual behaviour change and seeks to engage and empower people to implement systemic changes⁴.

IEEP – International Environmental Education Programme, a ten year program of activities of UNESCO and UNEP Has been prepared by meetings in Belgrade 1975 and Helsinki in 1976 and endorsed by the UNESCO/UNEP Intergovernmental Conference on Environmental Education, a high international event held in Tbilisi (Georgia, former USSR) in October 1977. The outcomes have been reviewed and further perspectives outlined by the International Congress on Environmental Education and Training (“Tbilisi plus 10”) in Moscow in 1987.

IUCN – International Union for the Conservation of Nature and Natural Resources

IUCN Council – Governing Body of IUCN in between two World Conservation Congresses/General Assemblies

IUCN GA – IUCN General Assembly

IUCN WCC – IUCN World Conservation Congress

IUPN – International Union for the Protection of Nature, original name of IUCN as it was founded in 1948 in Fontainebleau, France

IYF – International Youth Federation for Environmental Study and Conservation, founded in 1956 in West Europe, gradually spreading globally, until 1984 the junior arm of IUCN. At present, a project concerning the compilation of a book on the history of IYF is being launched.

NAAEE – North American Association for Environmental Education

Natura 2000 - Natura 2000 is an ecological network in the territory of the European Union. In May 1992, governments of the European Union adopted legislation designed to protect the
most seriously threatened habitats and species across Europe. This legislation is called the Habitats Directive and complements the Birds Directive adopted in 1979. These two Directives are the basis of the creation of the Natura 2000 network.


NWEC – North West European Committee, oldest regional committee of CEC

PEBLDS – Pan European Biological and Landscape Diversity Strategy

Public Awareness – Public Awareness brings the issues relating to biodiversity to the attention of key groups who have the power to influence outcomes. Awareness is an agenda setting and marketing exercise helping people to know what and why this is an important issue, the aspirations for the targets, and what is and can be done to achieve them⁵.

Public participation – Public participation is an approach for governments, organizations and communities around the world to improve their decisions by involving those people who are affected by those decisions⁶.

Ramsar – Convention for the conservation of wetlands

SASEANEE – South Asian and South East Asian Network for Environmental Education

Social Instruments - Social instruments for the implementation of policy for sustainable development include those related to issues such as partnerships, self-regulation (e.g. environmental auditing and ISO 14000), information related measures (e.g. eco-labelling), and awareness raising (e.g. publicity and environmental education). These instruments are intended to alter behaviour patterns, as well as to build capacity for sustainable development, through the establishment of social relationships or networking (or social pressure and social commitments). Awareness raising and information produce individual incentive and the ability to take appropriate decisions. Participation and partnerships create organisational ability with the view to sustainable development. Civil society that incorporates these instruments would be a driving force behind changes in consumption and production patterns, and would involve bodies that affect government decision making. Thus, the role of these instruments is increasing in importance, while the causes of environmental problems become even more complex and expand worldwide⁷.

SSC – IUCN Species Survival Commission


UNDESĐ – In December 2002, resolution 57/254 was adopted by the United Nations General Assembly establishing the United Nations Decade of Education for Sustainable Development (2005-2014). The Decade is a culmination of the momentum towards sustainability generated by the Earth Summit, 'Agenda 21' and the WSSD and presents an opportunity to focus world attention on education for sustainability across the globe. The United Nations Decade of Education for Sustainable Development aims to:

- promote education as a prerequisite for the movement to sustainable human societies;
- integrate sustainable development into education systems at all levels; and
- strengthen international cooperation towards the development and sharing of innovative education for sustainable development theory, practice and policy.
The Decade also offers opportunities for researchers, practitioners and education policy-makers, who are often isolated from each other, to join in partnerships and to contribute to a collective and international imperative.

UNESCO – United Nations Educational, Scientific and Cultural Organization; founded in November 1945, is the United Nations organization for the promotion of international cooperation in education, science, culture and communication in 193 Member States and 6 Associate Members. It has always paid a great attention to nature, environment and conservation. In 1948 UNESCO was instrumental in constituting the IUCN with which it has permanent close cooperation. It started a global action by the Biosphere Conference in Paris 1968 which started the intergovernmental international Man and Biosphere Programme. The seat of UNESCO is in Paris, France.

UNEP – United Nations Environment Program, established as an outcome from the United Nations Stockholm Conference in 1972 is a specialized United Nations agency to provide world leadership and encourage international partnership in caring for the environment, thus urging and encouraging nations and peoples to improve their quality of life. UNEP has its seat – as the first big UN agency in the South, in Nairobi, Kenya. The present UNEP Executive Director is the UN Under-Secretary Achim Steiner (Germany), a former IUCN Director General.

UNFCC – United Nations Framework Agreement on Climate Change

WCC – IUCN World Conservation Congress

WCLN – World Conservation Learning Network

WCPA – IUCN World Commission on Protected Areas

WCS – World Conservation Strategy; IUCN has published two global strategies regarded as the top achievements of its activities during the whole of its history. The first one, entitled “World Conservation Strategy, Living Resource Conservation for Sustainable Development” was prepared during late 1970s, launched and published 1980. The more detailed second one “Caring for the Earth, A Strategy for Sustainable Living” is from 1991. Both documents have been prepared and published in partnership with UNEP and WWF.

WSSD – World Summit on Sustainable Development (Johannesburg, South Africa, 2002)

WWF – World Wide Fund for Nature is a large international conservation organization with a mission to preserve the diversity and abundance of life on Earth and the health of ecological systems. It is active in more than 100 countries of the whole world, currently implementing over 1,300 projects, many of them in the field of education and communication. The organization was founded as the fund raising arm of IUCN by the “Morges Manifesto” in 1961 in Morges, the first Swiss seat of IUCN. Both IUCN and WWF have been living and working closely together until 1992 even sharing common buildings in Gland, the second Swiss home town of IUCN, where both organizations still have their headquarters.

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1 From the CEPA Toolkit Glossary: www.cepatoolkit.org
2 From the CEPA Toolkit Glossary: www.cepatoolkit.org
3 Definition by CEC member Daniella Tilbury in http://www.aries.mq.edu.au/portal/about/glossary.htm
4 Definition by CEC member Daniella Tilbury in http://www.aries.mq.edu.au/portal/about/glossary.htm
5 From the CEPA Toolkit Glossary: www.cepatoolkit.org
6 From the CEPA Toolkit Glossary: www.cepatoolkit.org
7 Institute for Global Environmental Strategies, Research on Innovative and Strategic Policy Options
8 Definition by CEC member Daniella Tilbury in http://www.aries.mq.edu.au/portal/about/glossary.htm
Annex 2. CEC Publications

The following are publications of the Commission on Education and Communication published by IUCN, or publications published by or in partnership with others, in which Commission members had a major input, as part of their Commission work.

1950-1559
A guide to teaching happy living through conservation, A guide to Conservation, Palmer, E. Laurence, IUPN 1953
Protégez aujourd'hui le monde de demain, Protect tomorrow's world today (multimedia package including a film 'Cherish the hand that feeds us', about population growth and nature conservation), IUPN/UNESCO 1955

1960-1969

1970-1979
IUCN Education Newsletter. IUCN Commission on Education, Jan Čeřovský ed. – 8 issues, IUCN Morges, 1969-1972
Environmental conservation education among populations of rural and woodland areas, Čeřovský Jan, ed. ; Pritchard, Peter C.H., ed. - IUCN Commission on Education ; Unesco - Morges : IUCN, 1971.


The impact of an industrial area in a natural setting: proceedings, Johnson, Carol, ed. - IUCN Commission on Education; Council for Environmental Education - Reading, UK: Published by the Council for Environmental Education [for IUCN], 1975.

Multilingual Dictionary of Conservation Terms. Compiled by a group lead by Lev K. Shaposhnikov, Chair of the IUCN Commission on Education. – IUCN Morges, 1976


Le grand livre de la montagne et de la forêt: pour une éducation écologique, Thomas, Guy, ed. - IUCN - Bâle: Editions Académiques, 1979

1980-1989
IUCN Commission on Education: annual reports of members 1980, IUCN Commission on Education - [Gland: IUCN], 1980


IUCN Commission on Education. East Europe Committee - Pec Pod Snezkou, CS: Report from the meeting of the East-Europe Committee of the IUCN Commission on Education, East Europe Committee of the IUCN Commission on Education, 1982

Tallin Declaration on „Fine Arts and Photography as Tools in Nature Conservation”. Conclusion from international meeting of the EEC, IUCN Commission on Education, Tallin, Estonian Republic, 1983

Environmental education about the rain forest, Berkmüller, Klaus; Torres, Hernán, translator - IUCN; WWF - Ann Arbor, MI: Wildland Management Center, School of Natural Resources, University of Michigan, 1984

A guide to environmental administration in-service training, IUCN Commission on Education; UNEP - Gland: IUCN, 1984

Introducción a la Estrategia Mundial para la Conservación, IUCN Commission on Education; UNEP; Instituto Mexicano de Recursos Naturales Renovables - Gland: UICN, 1984

An introduction to the World Conservation Strategy, IUCN Commission on Education; UNEP - Gland: IUCN, 1984

Annex: A bird’s-eye view of CEC history
Annotated list of Environmental Education Centers in Europe, by Enikő Szalay-Marzsó, a joint project of the NWEC and EEC of the IUCN Commission on Education, Budapest, Hungary 1985

Nature conservation in the socialist countries of East Europe, Čeřovský, Jan - IUCN Commission on Education, East Europe Committee - Vrchlabí : Published by the Administration of the Krkonose (Giant Mountains) National Park, 1986

World Conservation Strategy : a programme for youth : manual for youth environmental programmes, Berkmüller, Klaus ; Monroe, Martha C. - IUCN Commission on Education ; UNEP ; International Youth Federation - Gland : IUCN, 1986

Youth in environmental action : an international survey. Voordouw, Jan J., ed. - UNEP ; IUCN ; International Youth Federation - Gland : IUCN, 1987

Nature conservation in the socialist countries of East Europe, Cerovsky, Jan - IUCN Commission on Education, East Europe Committee - Praha : Ministry of Culture, 1988

New ideas in environmental education, Briceno, Salvano ; Pitt, David - European Communities, Commission ; IUCN - London : Croom Helm, 1988

1990-1999


Environmental education about the rain forest, Berkmüller, Klaus - IUCN, Forest Conservation Programme - Gland : IUCN, 1992


Planning Environmental Education in Europe, Reports of two meetings: Bergen (1993) and Jurmala (1994), European Committee for Environmental Education, IUCN Commission on
Annex: A bird’s-eye view of CEC history

Education and Communication, Edited by John Baines and Stephen Sterling, Gland, Switzerland, 1995

Communicating conservation: a prescriptive study, Najam, Adil - Pakistan, Environment and Urban Affairs Division; IUCN Pakistan - Karachi: IUCN, 1995

Educando para la conservación de la vida silvestre, Morales, Nydia E. - IUCN, Regional Office for Meso-America; Norway, NORAD - San Jose: IUCN ORMA, 1995

Rekindling the Embers, video by members of the East African Committee of CEC, IUCN Commission on Education and Communication, Nairobi, Kenya, 1995

Planning education to care for the earth, Palmer, Joy, ed.; Goldstein, Wendy, ed.; Curnow, Anthony, ed. - IUCN Commission on Education and Communication; IUCN; Denmark, Danida; UNEP - Gland: IUCN, 1995

Reviving links: NGO experiences in environmental education and peoples’ participation in environmental policies, Hemert, Miek van; Wiertsema, Wiert; Yperen, Michiel van - Both ENDS; IUCN Commission on Education and Communication; SME MilieuAdviseurs - Amsterdam, 1995


Communication, an instrument of environmental policy, Agnes Gomis and Frits Hesselink, IUCN Commission on Education and Communication, Gland 1996 (also translated into French and Spanish)

Reunión sobre gestión de programas nacionales de educación y comunicación para el ambiente y el desarrollo en América Latina: memorias, Puyol, Ana; Cuvi Sánchez, María, ed. - IUCN Commission on Education and Communication; IUCN, Regional Office for South America; Unesco – Quito, 1996


Expert meeting to structure information and communication for the Pan European Biological and Landscape Diversity Strategy, Scheveningen, Netherlands, Edited by Wendy Goldstein, IUCN Commission on Education and Communication, Gland, Switzerland, 1997


Public education, Boulton, Mark - Ghana, Wildlife Department; IUCN - Accra: Wildlife Department, 1997


Training Manual for Effective Communication for Biodiversity Conservation, 20 modules, by Frits Hesselink, Rutger Jan Schoen, and Wendy Goldstein, IUCN CEC, Utrecht Netherlands, 1998


Public Education and Awareness Case Studies, brochures edited by Wendy Goldstein, IUCN CEC Gland, 2002:
- Checklist on Education Projects for the Parties to the Convention on Biological Diversity;
- Teachers in Charge: Environmentalising the School Curriculum;
- Community Involvement in Marine and Coastal Management: Australia’s Marine and Coastal Community Network;
- Communication between farmers and government about nature De Peel region, the Netherlands: a new approach to policy development.

Planning environmental communication and education: lessons from Asia, Saeed, Seema, ed.; Goldstein, Wendy, ed.; Shrestha, Ram, ed. - IUCN Commission on Education and Communication; UNEP; Unesco - Gland; Bangkok: IUCN, 1998

Effective Communication for Biodiversity Conservation, Trainer Guide, SPAN Consultants, HECT Consultancy, IUCN Commission on Education and Communication 1998


Comunicacion Efectiva para Involucrar Actores Claves en las Estrategias de Biodiversidad, IUCN SUR, Report of training for Latin American Biodiversity Coordinators, 1999

Ambiente y Desarrollo Sostenible: Herramientas de capacitación, CEC-IUCN/FTPP-FAO/EcoCiencia, Ana Puyol, Jeannette Kroosterman y María Cuvi. Manual for training rural development sectors on Biodiversity and Sustainable Development, IUCN Commission on Education and Communication, IUCN Regional Office for South America, Quito, 1999

Steps to Success, Working with residents and neigbourhoods to develop and implement plans for protected areas, David Elcome and John Baines, European Committee for Environmental Education, IUCN Commission on Education and Communication, Gland, 1999


2000 - 2008

The evolving role of communication as a policy tool of governments by Cees van Woerkom, Frits Hesselink, Agnes Gomis and Wendy Goldstein in: Communicating the Environment. Environmental Communication for Sustainable Development, by Manfred Oepen and Winifred Hamacher (editors), Frankfurt am Main; Berlin 2000


ESDebate: international debate on education for sustainable development, Hesselink, Frits, ed. ; Kempen, Peter Paul van, ed. ; Wals, Arjen, ed. - IUCN Commission on Education and Communication ; IUCN ; Denmark, Danida - Gland : IUCN, 2000


Communicating the Environment, Environmental Education, Communication and Sustainability, Manfred Oepen and Winfried Hamacher, Peter Lang, Frankfurt, 2000

Communication training for ASIAN Biodiversity Co-ordinators: a needs assessment, Frits Hesselink, Peter Paul van Kempen, HECT Consultancy, IUCN Commission on Education and Communication, 2000


Workshop Knowledge Management, video report of the main highlights of the Congress workshop, video by Ricardo Carvalho used by CEC to report back to the plenary session and demonstrate other ways of communicating to participants, Amman Jordan 2000

WCC Closing Video, capturing the main events and spirit of conservation by participants in Amman, giving an overview of IUCN in action and providing a good take home feeling, video by Ricardo Carvalho, Amman Jordan 2000

Comunicación efectiva para involucrar actores clave en las estrategias de biodiversidad, Puyol, Ana ; Cuvi Sánchez, María, ed. - IUCN Commission on Education and Communication ; IUCN, Regional Office for South America - Quito : UICN SUR, 2001

Expert meeting on Biodiversity Education and Public Awareness towards Global communities of practice – conference report Egmond aan Zee, Netherlands, Edited by Robin Pistorius (AidEnvironment) and Frits Hesselink (HECT Consultancy), Amsterdam 2001


"EE in action in Zimbabwe": a series of case studies, Heberden, Roz, ed. ; Nyandoro, Claire, ed.; Stiles, Kathy, ed. ; Shava, Soul, ed. ; McLoughlin, Joan, ed. - IUCN, Regional Office for Southern Africa ; IUCN Commission on Education and Communication ; United States, AID - Harare : IUCN ROSA, 2001

Ambiente y Desarrollo Sostenible, Herraminertas de capacitacion, IUCN SUR, IUCN Commission on Education and Communication, Quito, Ecuador, 2001

Mainstreaming Biological Diversity: the role of communication, education and public awareness, Gwen van Boven and Frits Hesselink, IUCN Commission on Education and Communication, Gland 2002 (also translated into French and Spanish)


Mainstreaming Biodiversity, CEC video for the Convention on Biological Diversity COP6 shown during plenary session The Hague to argue the importance of communication and show the importance of impacting on feeling, video by Ricardo Carvalho

Report of the IUCN Workshop on Strategic Communication for the Brazilian Ministry of Environment, Ecom, HECT Consultancy, IUCN Commission on Education and Communication, Rio de Janeiro, 2002

Em busca de uma estrategia de educacao e difusao da Agenda Marrom, Ministeria do Meio Ambiente, Secretaria de Qualidade Ambiental nos Assentamentos Humanos, Ecom, HECT Consultancy, IUCN Commission on Education and Communication, Edited by Ricardo Carvalho and Frits Hesselink, Brasilia, 2002


Workshop Manual for training in public participation for Asian Biodiversity Planners, by Frits Hesselink and Dunmai Cowasjee, Bangkok, Thailand, 2002

Diversidad Biologica y Participacion, Andelman, M, IUCN SUR, Quito Ecuador, 2002


Education and sustainability: responding to the global challenge, Tilbury, Daniella, ed. ; Stevenson, Robert B., ed. ; Fien, John, ed. ; Schreuder, Danie, ed. - IUCN Commission on Education and Communication - Gland : IUCN, 2002

Workshop Manual for training in strategic communication for IUCN Asia staffs, by Dunmai Cowasjee and Frits Hesselink, Karachi, Pakistan, 2002


Conservation Results by Managing Change, the role of communication, education and public awareness, Gwen van Boven and Frits Hesselink, IUCN Commission on Education and Communication, Gland 2003 (also translated into French and Spanish)

A promise to new Generations, CEC video shown for Environment Ministers of the Americas commissioned by Environment Canada, video by Ricardo Carvalho, 2003


Workshop Manual ITTO Guidelines for the Restoration, Management and Rehabilitation of Degraded and Secondary Tropical Forest, IUCN Forest Program in collaboration with InterCooperation, CIFOR, WWF, IUCN Commission on Education and Communication, Gland – Switzerland, 2003

Communication Glossary, edited by Frits Hesselink, CEC Corporate Communication Product Group, Gland, Switzerland 2003


Voices Beyond Boundaries, CEC video by Ricardo Carvalho, shown during the plenary of the World Parks Congress WPC Durban to emphasize the need to use communication as a tool for PA management, 2003

Water to Drink – CEC video record of a performance on the role of communication in protected area management developed by CEC members and actors from Southern Africa filmed by Ricardo Carvalho at the exhibition centre at the Parks Congress, 2003

Perception is the only reality - Report of a quick scan among major CEC external stakeholders by Frits Hesselink, Gland Switzerland, 2003


Annex: A bird’s-eye view of CEC history 12
Annex: A bird’s-eye view of CEC history

Voces para un diálogo de futuro : el debate sobre desarrollo sostenible en América Latina, Guerrero, Eduardo, ed. ; Velasco, Ana María, ed. ; Maldonado, Gabriela, ed. - IUCN, Regional Office for South America ; Fundación Ecológica Universal, EC - Quito : UICN SUR, 2003

Achieving environmental objectives: the role and value of communication, education, participation and awareness (CEPA) in conventions and agreements in Europe, Martin-Mehers, Gillian, ed. ; Calvo, Susana, ed. ; Auchincloss, Elisabeth, ed. ; Goldstein, Wendy, ed. - IUCN Commission on Education and Communication - Gland : IUCN, 2004

Communicating biodiversity conservation to forest owners in East-Central Europe: major issues and model communication strategies, Tyszko, Piotr, ed. - IUCN, Programme Office for Central Europe - Warszawa : IUCN Programme Office for Central Europe, 2004

Communicating protected areas, Hamú, Denise, ed. ; Auchincloss, Elisabeth, ed. ; Goldstein, Wendy, ed. - IUCN Commission on Education and Communication - Gland : IUCN, 2004

Engaging people in sustainability, by D. Tilbury and D. Wortam, IUCN Commission on Education and Communication, Gland, Switzerland, 2004

Tribute to Yolanda Kakabadse IUCN President, CEC video prepared by Ricardo Carvalho for the IUCN WCC in Bangkok, Thailand, 2004

CEC Chairs report to the IUCN Congress, video report by Ricardo Carvalho, IUCN WCC in Bangkok, Thailand, 2004

La Ciudadanía Ambiental Global. Manual para docentes de educación básica de América Latina y el Caribe, PNUMA/UICN-CEC, Eloiza Trellez, Regional manual for teachers on environmental conventions and how to involve the education community in local actions, IUCN Commission on Education and Communication, IUCN, Regional Office for South America – Quito, 2005


La ciudadanía ambiental global. Folletos nacionales de Ecuador, Perú, Chile, Argentina, Costa Rica, México y Cuba, IUCN-CEC y PNUMA, National information on environmental conventions for the educational community, IUCN Commission on Education and Communication, IUCN, Regional Office for South America – Quito, 2006

Guía metodológica para aplicación en el aula de la propuesta “Ciudadanía Ambiental Global”, IUCN-CEC y PNUMA. Carlos Crespo, Betty Araujo, Cecilia Amaluisa, IUCN Commission on Education and Communication, IUCN, Regional Office for South America – Quito, 2006


Agua y Desarrollo Local: Políticas y Prácticas para el Desarrollo Sostenible en la Región Andina. UTPL/IUCN/GDLN. On line course on Water and Local Development, for local governments in the Andean Region. The course content and approach was developed by IUCN-Sur/WANI and CEC, IUCN Commission on Education and Communication, IUCN, Regional Office for South America – Quito, 2007
Annex: A bird’s-eye view of CEC history

Communication, Education and Public Awareness (CEPA), A toolkit for National Focal Points and NBSAP Coordinators, Hesselink, F.J. e.a., IUCN Commission on Education and Communication, Secretariat for the Convention on Biological Diversity, Montreal, 2008

Asia-Pacific guidelines for the development of national ESD Indicators

Monitoring and assessing progress during the UNDESD in the Asia-Pacific region: a quick guide to developing national ESD indicators, IUCN Commission on Education and Communication ; Unesco ; Japanese Funds in Trust - Bangkok, TH : UNESCO Asia and Pacific Regional Bureau for Education, 2007

Seguimiento y evaluación de los avances durante el DEDS en la región de Asia-Pacífico: Guía rápida para el desarrollo de indicadores nacionales relativos a la EDS, IUCN Commission on Education and Communication ; Unesco ; Japanese Funds in Trust - Bangkok, TH : UNESCO Asia and Pacific Regional Bureau for Education, 2007.

Island voices - island choices : developing strategies for living with rapid ecosystem change in small islands, Rietbergen, Simon ; Hammond, Tom ; Sayegh, Chucri ; Hesselink, Frits ; Mooney, Kieran - IUCN Commission on Ecosystem Management - Gland : IUCN, 2008
Annex 3. CEC Events

The following are meetings and events organized by the IUCN Commission on Education and Communication, or organized by or in partnership with others, in which Commission members had a major input, as part of their Commission work.

1950-1959 To be further researched.

1960-1969

**Workshop on Conservation Education** held at Nairobi, Kenya, on 12-13 September 1963, IUCN Commission on Education

**Symposium on Conservation education at the university level** at Lucerne, Switzerland, 23-24 June, 1966, IUCN Commission on Education; Unesco

**Conference on Conservation of Nature and Natural Resources in Tropical South-East Asia**, Bangkok, Thailand, 29 November - 4 December 1965, IUCN Commission on Education

**First International Youth Nature Conservation Camp** jointly with IYF under the auspices of the IUCN Commission on Education. Slovenský ráj (Slovak Paradise) PLA, Czechoslovakia, August 1966

**International Meeting on Conservation Education with the Establishment of the East-Europe Committee of the IUCN Commission on Education.** Praha/Krkonoše (Giant Mountains) National Park, 25.-30.9.1967.

**Conference on Conservation of Renewable Natural Resources**, Bariloche, Argentina, 27 March - 2 April 1968, IUCN Commission on Education

**Annual Meeting of the NWEC, IUCN Commission on Education, followed by Conference on Conservation Education for Finnish Teachers.** Kevo Nature Park/Helsinki, August 1968.

**Second International Youth Conservation Camp** in cooperation with the EEC, IUCN Commission on Education, Krkonoše (Giant Mountains) National Park, Czechoslovakia, August 1968.

**Second Conference of the East-Europe Committee, IUCN Commission on Education.** Berlin/Müritzhof, German Democratic Republic, 11.-15. 11. 1968.

**Environmental Conservation Education Problems in India** organized by the IUCN Commission on Education, together with the Commission’s meeting. Dehra Dun, India, 21.-22.11.1969.

**The Problems of Environmental Conservation Education among the Population of Rural Areas.** Morning session of the 11th Technical Meeting of IUCN on 28 November 1969, New Delhi, India.

**Third International Youth Conservation Camp**, coorganized by the EEC of the IUCN Commission on Education, Tatra National Park, Czechoslovakia, August 1969
1970 - 1979

**International Working Meeting on Environmental Education in the School Curriculum.** IUCN (Commission on Education) jointly with UNESCO. Foresta Institute for Ocean and Mountain Studies, Carson City, Nevada, USA, 20 June – 10 July 1970.

**Third Conference of the East-Europe Committee, jointly with the meeting of the IUCN Commission on Education.** Sofia, Bulgaria, 29 September – 3 October 1970.

**International Youth Conference on the Human Environment.** Convened by IYF jointly with IUCN and with many other partners. MacMaster University, Hamilton, Ontario, Canada, 20-30 August 1971.


**European Working Conference on Environmental Conservation Education,** Gottlieb Duttweiler Institut, Rüschlikon near Zürich, Switzerland, 15-18 December 1971.


**International Course for Teacher Training in Environmental Conservation,** organized by IUCN Commission on Education jointly with the UK Field Studies Council, Betsy-Y-Coed, North Wales, UK, August 1972.


**Meeting of IUCN Commission on Education,** IUCN General Assembly, Banff, Canada, September 1972.

**Meeting of IUCN Commission on Education,** Second World Parks Congress, Yellowstone-Grand Teton, September 1972.

**International Meeting of Young Conservationists from East European Countries,** organized by the EEC of IUCN Commission on Education, Sofia/Varna/Nesebar, Bulgaria, June 1974.

1980-1989

**Meeting of the East-Europe Committee of the IUCN Commission on Education,** Pec Pod Snezkou – Czechoslovakia, 1982

**International Conference on “Fine Arts and Photography as Tools of Nature Conservation** at the occasion of the annual meeting of the EEC, IUCN Commission on Education, Tallinn, Estonia, 30 May – 3 June 1983

**First Joint Meeting of the NWEC and EEC of the IUCN Commission on Education.** Helsinki/Espoo, 28-31 May 1984.

Establishment and Use of Ecopedagogical Areas in Environmental Education, international seminar organized by the EEC, IUCN Commission on Education, Volary, Czechoslovakia, May 1987


1990-1999

International Conference on Environmental Communication, IUCN Commission on Education and Communication, Bangalore – India, 1990

Fourth Joint Meeting of NWEC/EEC, IUCN Commission on Education and Communication, Møn, Denmark, September 1990.

CEC Members Meeting, IUCN General Assembly Perth, Australia, 1990

World Congress on Protected Areas Workshop on Planning of Education and Communication in Protected Areas, IUCN Commission on Education and Communication, Caracas – Venezuela, 1991

UNCED NGO Forum Workshop on Strategic Planning of Education for Sustainable Development, IUCN Commission on Education and Communication, Rio de Janeiro – Brazil, 1992

ECO-ED Workshop on Strategic Planning of Education for Sustainable Development, IUCN Commission on Education and Communication, Toronto- Canada, 1992

Educating for Sustainable Tourism, international conference held by all three European Regional Committees, IUCN Commission on Education and Communication jointly with the University of Ljubljana, travelling conference from Kranjska Gora to Koper, Slovenia, 17-24 September 1992.

Conference on Planning Environmental Education in Europe, European Committee for Environmental Education, IUCN Commission on Education and Communication Bergen – Netherlands, 1993

Planning of Education and Communication for Sustainable Development, CEC Workshop at IUCN South American Members meeting in Parati, Brazil, 1993

Conference to establish the South and South East Asian Network on Environmental Education (SASEANEE), Centre for Environment Education India and IUCN Commission on Education and Communication, Ahmedabad – India, 1993

CEC members Meeting, IUCN General Assembly, Buenos Aires, Argentina, 1994

IUCN General Assembly Workshop on Planning Education to care for the Earth, IUCN Commission on Education and Communication, Buenos Aires – Argentina, 1994
IUCN-UNESCO Expert Meeting on National Strategies for Environmental and Development Education Europe, IUCN Commission on Education and Communication, Gland - Switzerland, 1995


International Training Course on Environmental Education, SASEANEE, UNESCO, Centre for Environment Education India and IUCN Commission on Education and Communication, Ahmedabad – India, 1995


Conference on Education and Communication for Biodiversity, key concepts, strategies and case studies in Europe, European Committee for Environmental Education, IUCN Commission on Education and Communication, Valsain 1996

IUCN-UNESCO Expert Meeting on National Strategies for Education and Communication in Asia, IUCN Asia Program, Center for Environment Education, IUCN Commission on Education and Communication, Bangkok - Thailand, 1996

World Conservation Congress 2-day CEC Members Meeting: Open Steering Committee meeting; Regional meetings; Informal network exchange; Working groups on internet, formal education, non formal education, national strategies; Special training sessions on project management for educators, IUCN Commission on Education and Communication, Montreal – Canada, 1996

World Conservation Congress Workshop Implementing Strategies for Sustainability: Communication – key to successful strategies, IUCN Commission on Education and Communication, Montreal – Canada, 1996

World Conservation Congress Workshop Implementing Strategies for Sustainability: Reaching target audiences and changing behaviour: effective communication in strategies, IUCN Commission on Education and Communication, Montreal – Canada, 1996

World Conservation Congress Special Session on Developments concerning Awareness and Education for Sustainable Development, IUCN, UNESCO, UNEP, IUCN Commission on Education and Communication, Montreal – Canada, 1996

World Conservation Congress Special Working Group on IUCN Corporate Communication, IUCN DG, Ammirati Puris Lintas and IUCN Commission on Education and Communication, Montreal – Canada, 1996

Conference on Education and Communication for Biodiversity, key concepts, strategies and case studies in Europe, European Committee for Environmental Education, IUCN Commission on Education and Communication, Gland, Switzerland 1996
Expert meeting to structure information and communication for the Pan European Biological and Landscape Diversity Strategy, IUCN Commission on Education and Communication, Scheveningen – Netherlands, 1997


Workshop for Asian Biodiversity Strategy and Action Plan Co-ordinators, Bangkok 1998, IUCN Asia Program, IUCN Commission on Education and Communication

Global Biodiversity Forum Workshop on Public Education and Awareness, How to put it into practice, Article 13 of the Convention on Biological Diversity, IUCN Commission on Education and Communication, Bratislava 1998


Training Workshop for Civil Servants and NGO Managers in EU Accession Countries on Communication, Education and Public Awareness for the Pan European Biological and Landscape Diversity Strategy, European Centre for Nature Conservation, IUCN East European Program and IUCN Commission on Education and Communication, Warsaw - Poland, 1999

Training Program for biodiversity managers in five EU Accession Countries on strategic communication for PEBLDS and Natura 2000, SPAN Consultants, HECT Consultancy, IUCN Commission on Education and Communication, Czech Republic, Hungary, Poland, Slovakia, Slovenia 2000 - 2004

Workshop for Latin American Biodiversity Strategy and Action Plan Co-ordinators, IUCN SUR Program, IUCN Commission on Education and Communication, Galapagos 1999


European Expert Meeting on Sustainable Development and Environmental Education, IUCN Commission on Education and Communication; Dutch Program Learning for Sustainable Development, Soesterberg - Netherlands, 1999
International Training Course on Environmental Education, SASEANEE, UNESCO, Centre for Environment Education India and IUCN Commission on Education and Communication, Ahmedabad – India, 1999

2000 - 2008

CEC members Meeting, World Conservation Congress, Amman Jordan, 2000


World Parks Congress Workshop Communicating Protected Areas, IUCN Commission on Education and Communication, Durban – South Africa 2003

World Parks Congress CEC training course on strategic communication, IUCN Commission on Education and Communication, Durban – South Africa 2003

World Parks Congress Community Theater on the role of education and communication in protected area management, IUCN Commission on Education and Communication, Durban – South Africa 2003

World Parks Congress Closing Video, ECOM, IUCN Commission on Education and Communication, Durban – South Africa 2003

CEC Members Meeting, World Conservation Congress, Bangkok, Thailand, 2004
CEC Workshop to launch the World Conservation Learning Network, IUCN World Conservation Congress, Commission on Education and Communication, Bangkok, Thailand 2004

CEC Workshop to launch the IUCN – UNESCO Indicators for ESD Partnership, IUCN World Conservation Congress, Commission on Education and Communication, UNESCO, Bangkok, Thailand 2004

Reunión Regional de Expertos y Expertas en Aprendizaje a Distancia para la Sustentabilidad, Universidad de Guadalajara, México, Expert meeting on Distance Learning and Sustainability, organized by the IUCN World Conservation Learning network (WCLN), IUCN Commission on Education and Communication and the University of Guadalajara, Mexico 2005

Innovative Learning for Conservation, Poverty Eradication and Sustainable Development, organized by the IUCN World Conservation Learning network (WCLN), IUCN Commission on Education and Communication and the University of Stellenbosch, South Africa, 2006


On line course on Water and Local Development: Policies and practices for sustainable development in the Andean Regional, UTPL/IUCN/GDLN. Developed by the Water and Nature Initiative the IUCN World Conservation Learning network (WCLN) and the IUCN Commission on Education and Communication, Quito 2007

New Learning for Sustainability in the Arab region, organized by the IUCN World Conservation Learning network (WCLN), IUCN Commission on Education and Communication and the Bibliotheca Alexandria, Egypt 2007

Intergenerational Partnerships On-line experiment to learn about sustainable development through ‘buddy-partnering’, IUCN Commission on Education and Communication, Earth Charter Youth Initiative, 2008
Annex 4. IUCN Presidents, Director Generals, General Assemblies

IUCN Presidents
Charles Bernard, Switzerland, 1948 -1954
Roger Heim, France, 1954 – 1958
Jean Baer, Switzerland, 1958 – 1963
Francois Bourliere, France, 1963 – 1966
Harold J. Coolidge, USA, 1966 – 1972
Donald Kuenen, Netherlands, 1972 – 1978
Mohamed Kassas, Egypt, 1978 – 1984
Monkombu Swaminathan, India, 1984 – 1990
Sridath Ramphal, Guyana, 1990 – 1994
Jay Hair, USA, 1994 – 1996
Yolanda Kakabadse, Ecuador, 1996 – 2004
Valli Moosa, South Africa, 2004 - 2008

IUCN Director Generals
Jean Paul Harroy, 1948 – 1955
M.C. Bloemers, 1959 – 1960
Gerald Watterson, 1962 – 1962
Hugh Elliott, 1963 – 1966
Joe Berwick, 1966 – 1970
Gerardo Budowski, 1970 – 1976
David Munro, 1977 – 1980
Lee Talbot, 1980 – 1982
Kenton Miller, 1983 – 1988
Martin Holdgate, 1988 – 1994
David McDowell, 1994 – 1999
Marita Koch-Weser, 1999 – 2001
Achim Steiner, 2001 – 2006
Julia Marton – Lefevre, 2006 –

IUCN GENERAL ASSEMBLIES
1  Fontainebleau, France – October 1948
2  Brussels, Belgium – October 1950
3  Caracas, Venezuela – September 1952
4  Copenhagen, Denmark – August/September 1954
5  Edinburgh, UK – June 1956
6  Athens/Delphi, Greece – September 1958
7  Warsaw/Cracow, Poland – June/July 1960
8  Nairobi, Kenya – September 1963
9  Lucerne, Switzerland – June/July 1966
10 New Delhi, India – November 1969
11 Banff, Canada – September 1972
12 Kinshasa, Zaire – September 1975
13 Geneva, Switzerland – April 1977 Extraordinary GA
14 Askhabad, USSR (Turkmenistan) – October 1978
15 Christchurch, New Zealand – October 1981
16 Madrid, Spain – November 1984
17 San Jose, Costa Rica – February 1988
18 Perth (Western)Australia – December 1990
19 Buenos Aires, Argentina – January 1994
20 in the framework of the 1st World Conservation Congress
23 in the framework of the 2nd WCC, Amman, Jordan – October 2000
24 in the framework of the 3rd WCC, Bangkok, Thailand
Annex 5. CEC Secretariat Staff

Alain Gilles, Secretary Education Commission in the fifties (no further data available)
Hans Goudswaard, Honorary Secretary Education Commission in the fifties and sixties (no further data available)

Jan Čeřovský, Education Officer, 1969 - 1973

Alfred Hofmann, Education Officer, 1973 - … (no further data available)
Naseeb Dajani, Education Officer, 1982 - 1984 (no further data available)
Salvano Briceño, Education Officer, 1984 (no further data available)

Joanna Boddens Hosang, Acting CEC Programme Coordinator, 1990 – 1992


Cecila Nizzola-Tabja, CEC Membership Liaison Officer, 1992 – present
Annex: A bird’s-eye view of CEC history

Ana Puyol, IUCN-SUR, Coordinator Environmental Education and Communication Programme - 1993-2000; Assistant to the CEC Chair 2001-2005

Corli Pretorius, Head, Global Communications, CEC Focal Point, 2004-2006

Elisabeth Crudgington (née Auchincloss), Learning & Leadership Officer, 2003 – present

Gillian Martin Mehers, Head, Learning & Leadership, CEC Focal Point, 2006 – present

Caroline Twigg (née Redrup), Learning & Leadership Officer, 2007-2008

Nicole Thonnard-Voillat, Learning & Leadership Officer, 2008 – present
Annex 6. CEC Chairs

William Vogt (USA, 1902 –1968), Chair Education Committee from 1948 –1952

Ira Gabrielson (USA, 1889 - 1977), Chair Education Committee from 1952 –1958

Max Nicholson (UK, 1904 - 2003), Chair Education Commission from 1958-1960

L.K.Shaposhnikov (USSR, 1915 - 1979), Chair Education Commission from 1960 -1978

Don Aldridge (UK, 1930 – 2008), Education Commission Chair 1978

Pierre Goeldin (Switzerland, 1937), Acting Chair Education Commission from 1978 -1979
Al Baez (USA, 1913 - 2007), Chair Education Commission 1979 - 1984

Gerald Lieberman (USA, 1950), Chair Education Commission from 1984 – 1986

M.A. Partha Sarathy (India, 1923), Chair Commission on Education and Training and Commission on Education and Communication from 1986 - 1994

Frits Hesselink (1945), Chair Commission on Education and Communication from 1994 - 2000

Denise Hamú (Brazil, 1959), Chair Commission on Education and Communication from 2000 - 2006

Keith Wheeler, (USA, 1952), Chair Commission on Education and Communication from 2006 – present
Annex 7. CEC Wall of Fame

The names listed here have been - to the knowledge of the authors - key leaders and thinkers in the CEC network during the past decades.

1948 – 1960
Jean Baer
Harold Coolidge
Frank Fraser-Darling
Ira Gabrielson
Alain Gille
Richard Gordon Miller
Hans Goudswaard
Henry Makowski
Edward Max Nicholson
Jacques de Smidt
William Vogt
Harry Wals

1960 – 1970
James Aldridge
Gerardo Budowski
Maria Buchinger
Jan Cerovsky
Jan-Piet Doets
Arturo Eichler
Lars-Eric Esping
Vladimir M. Galushin
Richard Gordon Miller
Hans Goudswaard
Marta Henderson
Anna van Hofsten
Jonathan Holliman
Edgar Kesteloot,
Fred Lauritzen
Michel Maldague
Philip H. Oswald
Mario Pavan
Tom Pritchard
Franco Pedrotti
L.K. Shaposhnikov
Tadeusz Sczcesny
Harry Wals

1970 – 1980
Hein van Bohemen
Jan Cerovsky
Wolfgang Erz
Pierre Goeldin
Hans Goudswaard
Ricardo Lutti
Robert Lutti
Enikő Szalay-Marzsó
Marin Toshkov
Fred van der Vege
David Withrington

1980 – 1990
Don Aldridge
Nancy Anderson
Boštjan Anko
Nathaniel Arap Chumo
Al Baez
John Baines
Abraham Blum
Mark Boulton
Salvano Briceño
Gerardo Budowski
Jan Cerovsky
Naseeb Dajani
Jaan Eilart
Wolfgang Erz
Lars-Eric Esping,
Matti Helminen,
Yolanda Kakabadse
Julia Marton Lefevre
Chris MaasGeesteranus
Rosalyn Osborn
Ján Pagáč
M.A.Partha Sarathy
John Smyth
Stephen Sterling
Kathy Stiles
Jiří Svoboda
Enikő Szalay-Marzsó
Peter Townsend
Josef Velek
1990 – 2000
Marta Andelman
Boštjan Anko
John Baines
Alicia Barcena
Peter Bos
Susana Calvo
Jan Cerovský
Juliana Chileshe
Maurilio Cipparone
Marco Encalada
Jia Feng
Wendy Goldstein
Edgar Gonzalez
Denise Hamu
Frits Hesselink
Branka Hlad
Anna Kalinowska
Mary Karanja
Monica Lieschke
Chris MaasGeesteranus
Gillian Martin Mehers
Marta Monroe
Ueli Nagel
Manfred Oepen
Sylvi Ofstad
Rosalyn Osborn
Joy Palmer
Badir Pande
M.A.Partha Sarathy
Jean Perras
Ana Puyol
Kartikeya Sarabhai
John Smyth
Stephen Sterling
Kathy Stiles
Wazha Tema
Daniella Tilbury

2000 – 2008
Andy Alm
Cecilia Amaluisa
Marta Andelman
Deborah Baranga
Moussa Batchily Ba
Peter Bos
Rafael Bosque
Gwen van Boven
María Sofía Brutton
Susana Calvo
Ricardo Carvalho
Haroldo Castro
Cheryl Charles
Carlos Crespo
Peter Croal
Arturo Curiel
Katalin Czippan
Marco Encalada
Patricia Fernández-Dávila
Valeria Fuentealba
Tommy Garnett
Hans van Ginkel
Andreas Glanznig
Wendy Goldstein
Denise Hamu
Frits Hesselink
Branka Hlad
Doug Hulyer
Anna Kalinowska
Sjeril Khandil
Gillian MartinMehers
José Miguel Molina
Marta Monroe
Michael Moss
Kobus Muller
Sylvi Ofstad
Suzana Padua
Guillermo Priotto
Ana Puyol
Beatriz Román Enriquez
David Solano
Monthip Tabucanon
Wazha Tema
Daniella Tilbury
Brad Smith
Rosa María Vidal
Keith Wheeler