

CARING FOR OUR FUTURE

The Australian Government Strategy for the United Nations Decade of Education for Sustainable Development, 2005–2014



ISBN 0 642 553 203

Published by the Australian Government Department of the Environment and Heritage

© Commonwealth of Australia 2007

Information contained in this publication may be copied or reproduced for study, research, information or educational purposes, subject to inclusion of an acknowledgment of the source.

Knowledge Management and Education Branch Department of the Environment and Heritage GPO Box 787 CANBERRA ACT 2601

Email: ciu@environment.gov.au

Designed and typeset by ZOO Printed in Australia by Goanna Print

Printed using vegetable based inks on paper derived from recycled fibre, incorporating post consumer waste and fibre from plantations, forest thinnings and sustainable forests. Elemental chlorine free.

COVER IMAGES

Purnululu National Park, Rod Hartvigsen

Children tree planting, Department of Foreign Affairs and Trade—Overseas Information Branch Humpback Whale, M. Simmons, Great Barrier Reef Marine Park Authority Kangaroo Paw, Arthur Mostead and the Department of the Environment and Heritage

QUOTATION REFERENCES

Bruntland, G (ed.) 1987, *Our Common Future*, World Commission on Environment and Development, Oxford University Press, Oxford.

Annan, K, 2001, "Sustainable Development: Humanity's biggest challenge in the new century", speech by the United Nations, Secretary-General, Kofi Annan, at the International Conference Centre, Dhaka, Bangladesh, 15 March 2001.

Annan, K, 2004, UN Secretary-General, Kofi Annan's video message to the International Consultation on Education for Sustainable Development, Göteborg, Sweden, 4-7 May 2004.

Neidjie, B, Davis, D & Fox, A 1985, Kakadu Man: Bill Neidjie, Mybrood, Queanbeyan.

FOREWORD



The United Nations Decade of Education for Sustainable Development 2005–2014, brings international recognition to the role of education as a critical tool in our efforts to achieve more environmentally, economically and socially sustainable development. Australia has a strong history of achievement in this area and welcomes the opportunities the Decade provides to build on this in the coming years.

Developed in consultation with all Australian Government portfolios, *Caring for Our Future* sets out the Government's 10-year vision, goal and strategy to foster sustainable development through education and learning.

Since 2000, the Australian Government's National Action Plan for Environmental Education has, in partnership with key stakeholders, committed \$2 million to the successful Australian Sustainable Schools Initiative, \$4 million to applied research and around \$250,000 each year in grants to education

projects conducted by a wide range of community organisations. The inaugural National Action Plan also established the National Environment Education Council, National Environmental Education Network and the Australian Research Institute in Education for Sustainability.

In 2007, we will be developing a new National Action Plan for Education for Sustainable Development. The plan will promote 'future' thinking, lifelong learning and capacity-building for individual and organisational change. It will deliver the approaches outlined in *Caring for Our Future* to better equip all Australians to take informed action towards sustainable development.

The past 10 years has seen a fourfold increase in Australian Government spending on the environment, a commitment that has been the catalyst for a revolution in how we manage our land and water resources

The next 10 years will build on this achievement, strengthening the foundations of this investment for individuals, organisations and communities.

As the world steps up the climate change battle, it has never been more important to ensure we have the knowledge, values and skills needed for a sustainable future.

SENATOR IAN CAMPBELL

Australian Government Minister for the Environment and Heritage

Leg. Copel

CARING FOR OUR FUTURE

"Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs."

World Commission on Environment and Development (the Brundtland Commission), 1987

"Our biggest challenge in this new century is to take an idea that seems abstract—sustainable development—and turn it ... into a daily reality for all the world's people."

Kofi Annan, United Nations Secretary-General, 2001

"Development must be sustainable not only ecologically, but socially and economically, too ... Governments, corporations, and individuals need to understand the links between these different kinds of sustainability."

Kofi Annan, United Nations Secretary-General, 2004

PURPOSE

This strategy outlines the Australian Government's approach to the United Nations Decade of Education for Sustainable Development (DESD). It sets out a Vision, Goal and Strategies to foster sustainable development through education and learning over the years 2005–2014.

BACKGROUND

At its 57th session in December 2002, the United Nations General Assembly proclaimed the years from 2005 to 2014 the Decade of Education for Sustainable Development. Governments around the world have been invited to strengthen their contribution to sustainability through a focus on education and learning.

The need to act comes in response to growing international concern about the social, economic and environmental challenges facing the world and the need for improved quality of life, ecological protection, social justice and economic equity.

Education for sustainable development recognises the relationship between issues such as poverty, health, education, security, human rights, economic development, and environmental concerns such as climate change, natural resource management and water and energy consumption.

Australia has a role to play in meeting these challenges, both domestically to serve its own interests, and internationally as a member of the global community.

The International Implementation Scheme for the Decade, developed by UNESCO, emphasises improving the basic standard of education, reorienting existing education policies and programmes, developing public understanding and awareness, and providing training, with a particular emphasis on responding to the culture and national needs of individual countries in relation to sustainable development. The International Implementation Scheme is closely aligned with other international initiatives such as the Millennium Development Goals and Education for All.

AUSTRALIAN CONTEXT

Australia is unique in many ways. Our rich indigenous heritage stretches back many thousands of years. Our current quality of life, while not without its challenges, has much to offer both current and future generations.

Environmentally, Australia is one of 17 mega-diverse countries with many of its species found nowhere else in the world. Australia has 16 World Heritage areas, one of which, the Great Barrier Reef Marine Park, is the largest of all of the 812 properties on the World Heritage List.

Australia's democratic institutions, social cohesion and economic prosperity are on a par with all but the most prosperous countries in the world, and above the level of many.

In Australia, the commitment to strengthen and provide greater integration of the environmental, social and economic pillars underpinning sustainable development is supported by Australian Government initiatives such as:

 the National Strategy for Ecologically Sustainable Development (1992);

Salt Lake at Curtain Springs, SA Allan Fox and the Department of the Environment and Heritage



- the enactment of the Environment Protection and Biodiversity Conservation Act 1999;
- the \$8.3 billion Backing Australia's Ability
 package to enhance Australia's innovation
 capability and build sustainable
 competitive advantage;
- the declaration of An Environmentally Sustainable Australia and Promoting and Maintaining Good Health as whole-of-government national research priorities;
- the teaching resources produced to complement the report Sustainable Development—
 A cornerstone of public health in promoting ecologically sustainable development and health in public health education in Australia (2002);
- the initiatives and short and long term policy considerations emanating from the Intergenerational Report of the Treasury;
- the Sustainable Regions Programme, the major initiative under the Stronger Regions, A Stronger Australia statement;
- national environmental programmes such as the \$3 billion Natural Heritage Trust, \$1.4 billion
 National Action Plan for Salinity and Water
 Quality, and \$2 billion Australian Government
 Water Fund:
- the inclusion of sustainable development and sustainability as key themes of the 2003 Tourism Whitepaper A Medium to Long Term Strategy for Tourism and the 2004 Energy Whitepaper Securing Australia's Energy Future;
- the establishment of the Sustainable Environment Committee of Cabinet; and
- the establishment of the Business Roundtable for Sustainable Development.

In addition to these broader measures, Australia has been quick to recognise the role of education and learning in achieving sustainable development. It is one of the few countries to have already developed and implemented a national policy on environmental education, or "education for sustainability" and "education for sustainable development" (ESD) as

it is increasingly known. The National Action Plan, Environmental Education for a Sustainable Future, was released in July 2000. All of the major structural initiatives of the plan are now in place, providing a firm foundation for further action.

THE CHALLENGE AHEAD

To address unsustainable practices and promote sustainable development, new ways of living and working across all sectors of the Australian community are required. At the broadest level this will require informed and involved citizens who are able to engage with complex issues and understand the need to balance competing interests.

The size of the change needed necessitates the adoption of a comprehensive approach encompassing coordinated action and all of the factors required to involve, motivate and equip individuals and organisations to contribute to the goal of sustainable development. A range of measures used to influence behaviour and practices, including financial and other incentives, regulation, removal of barriers and appropriate policy settings and goals, need to be applied. Education and lifelong learning are key elements of the required approach.

PRINCIPLES OF ESD

The ability to embrace change and adapt to new circumstances is critical to securing Australia's future. Education for sustainable development aims to equip individuals, organisations and communities to deal effectively with the complex and inter-related social, economic and environmental challenges they encounter in their personal and working lives, in a way that protects the interests of future generations.

Best practice education for sustainable development incorporates several key components including:

- futures thinking;
- the importance of good process (including transparency and identifying foreseeable costs and benefits);

- building capacity for individual and organisational change;
- critical thinking and reflection;
- innovation:
- mentoring and facilitation;
- genuine participation in decision making;
- the formation of partnerships for change; and
- lifelong learning.

Australia's approach to the Decade will seek to utilise these concepts to achieve its vision and goal.

VISION

At the end of the Decade, the Australian community will have the understanding, knowledge, skills and capacity to contribute to sustainable development and will embrace the intrinsic value of sustainability as a national aspiration.

Our ultimate vision is a sustainable Australia.

GOAL

To mainstream sustainability across the community through education and lifelong learning.

Willandra Lakes region, courtesy Michael Amendolia



STRATEGIES

The focus of Australian Government activity during the Decade will be on practical actions aligned with national priorities and on achieving real change in support of sustainable development.

A programme of specific activities and targets will be developed in support of the strategy as part of the process of developing a new National Action Plan for Education for Sustainable Development (formerly *Environmental Education for a Sustainable Future*) and in creating partnerships between government and non-government organisations.

The approach will complement, reinforce and strengthen existing measures of the Australian Government to balance competing short and long term social, economic and environmental interests and enhance public understanding and support for these.

1. Communicating the Concepts

1.1 Build national awareness and understanding of the principles and goals of education for sustainable development.

Initiatives aimed at communicating in simple terms what sustainable development and education for sustainable development mean, including communication campaigns, public forums and learning and development initiatives, will be developed.

Greater community understanding of the concepts and principles involved in sustainable development, including an appreciation of our indigenous heritage in caring for the land, is a first step to gaining acceptance of the value of sustainable development as a national aspiration.

1.2 Show national leadership through the promotion of education for sustainable development.

The Australian Government will continue to promote the importance of education for sustainable development through existing mechanisms such as the National Environmental Education Council, the Business Roundtable for Sustainable Development,

the National Environmental Education Network, and the Australian Research Institute in Education for Sustainability. ESD will be embedded in formal schooling through the National Environmental Education Statement for Australian Schools, the Australian Sustainable Schools Initiative, the National Goals for Schooling and National Statements of Learning, as well as collaboration with the further and higher education sector.

In addition, new approaches will be jointly developed with other levels of government and non-government bodies in a range of sectors across industry, business and the community. Initiatives will include formal and non-formal education and embrace the principle of lifelong learning.

1.3 Develop education for sustainable development training and professional development initiatives for specific sectors.

Targeted training and professional development initiatives will be developed to assist in equipping educators and key decision-makers in government, industry and the community with the necessary knowledge, skills and values to facilitate sustainable development within their spheres of influence.

All stakeholders should have an understanding of how to progress the aims and objectives of sustainable development in specific contexts.

1.4 Share knowledge and experiences.

Sharing knowledge on successful approaches to education for sustainable development and their underlying principles will assist in motivating and catalysing action across the community. Carefully targeted case studies will be developed and promoted to provide meaningful guidance to others involved in programme design.

In communicating the concepts of education for sustainable development it is important to highlight what has worked and not worked, as well as the achievements of Australia's existing initiatives in this area. The promotion of best practice will help to avoid duplication, identify gaps and provide greater overall coordination.

"Our story is in the land ... It is written in those sacred places."

The late Bill Neidjie, Senior Traditional Owner, Kakadu National Park



Pleistocene footprint, Willandra Lakes region, courtesy Michael Amendolia

2. Basing our approach on sound research

2.1 Develop and implement a national ESD research programme aligned with national priorities.

Effective ESD initiatives need to incorporate, inter alia, an understanding of the barriers and opportunities that exist in different sectors, and the most appropriate delivery mechanisms for the particular target audiences. Sound research is fundamental to ensuring that the resources available are directed to the areas of greatest need and to areas where initiatives will have the greatest impact.

Broad areas of research needs and priorities include: how best to communicate the concepts, identification of needs in different sectors, practical demonstration or "how to" studies, monitoring and evaluation guidelines and performance indicators to measure ongoing progress, and, given sustainable

development is a global problem, comparative studies between countries. In particular, there is a need to examine how best to clarify, in simple terms, what sustainable development and education for sustainable development mean in different contexts, particularly for key decision-makers in government, industry and the community, and for educators.

3. Ensuring momentum

3.1 Develop a new short to medium term National Action Plan outlining specific initiatives that will be progressed in the next three to five year period.

The development of a new National Action Plan for Education for Sustainable Development will be a central aspect of the Australian Government's contribution to sustainability in the initial period of the Decade. The new National Action Plan will operationalise this DESD strategy by identifying

specific short and medium term actions consistent with the achievement of the strategy's longer term vision and goal. Broad community and government consultation will be integral to the process.

The new plan will build on what the current National Action Plan has achieved and encompass the aims and objectives of the DESD, Australia's own particular sustainable development needs and the broader dimensions of education for sustainable development, as it has evolved out of environmental education.

3.2 Consolidate gains under earlier initiatives and target new areas.

The Australian Government is already well positioned to respond to the environmental dimensions of the Decade with a range of initiatives in place under the banner of the National Action Plan, Environmental Education for a Sustainable Future. Since its inception in 2000, initiatives such as the National Environmental Education Council, the National Environmental Education Network and the Australian Research Institute in Education for Sustainability have provided a focal point for assessing and advancing the aims of environmental education in Australia. The Plan has also given impetus to initiatives such as the National Environmental Education Statement for Australian Schools and Australian Sustainable Schools Initiative which are beginning to deliver demonstrable and tangible social, economic and environmental outcomes.

Achievements to date have been greatest in the schools sector. Given that efforts in schools are crucial to providing longer term societal change, initiatives in this area will continue to be pursued and be aligned with the Australian Government's broader education agenda, including values education and quality teaching.

With the knowledge gained however, there is an opportunity to extend and build on the successes to date. All sectors of the Australian community have an important contribution to make to sustainability. New initiatives targeting other sectors, including industry, further and higher education and community education, will be developed based on quality research.

4. Promoting a whole-of-government approach

4.1 Promote a whole-of-government approach to education for sustainable development at the Australian, State/Territory and Local Government levels.

Sustainable development provides a range of challenges for governments in pursuing competing policy goals and balancing the interests of present and future generations. Active engagement within and between government agencies, and the resulting learning, can play a key role in assisting government agencies at all levels to understand the impact of their legislation, policies, programmes and operations on sustainable development. It can also embed a culture of sustainability across government operations. A coordinated, holistic approach would improve the effectiveness and efficiency of policy and programme delivery, reduce duplication of expenditure and improve sustainability outcomes.

A research project looking at sustainability in Australian Government agencies is currently under way. The project complements the Greening of Government programme and involves participation from a number of portfolios. Using an action research model, the project is investigating the concepts of leadership, organisational learning and change for sustainability within government agencies, as well as the dynamics, characteristics, systems and structures that promote cooperation between

"Ecologically Sustainable Development implementation is largely about good practice policy making ... and is about all short and long terms costs and benefits—economic, social and environmental."

Productivity Commission Inquiry into the Implementation of Ecologically Sustainable Development by Commonwealth Government Departments and Agencies, 1999.

organisations and strengthen the relationships that support change. The learnings from the project will be reviewed with a view to facilitating a stronger approach to sustainable development across government at all levels, including the development of common principles and guidelines for policy making in support of sustainability.

Various policies and processes are already in place at the Australian Government level to facilitate integrated whole-of-government decision making. These include the concept of joined-up government, the establishment of sub-committees of Cabinet and inter-departmental taskforces which look at issues impacting on several portfolios, as well as the requirement for new Australian Government regulation to be subjected to Regulation Impact Statements which examine the full range of costs and benefits involved. Under section 516A of the Environment Protection and Biodiversity Conservation Act 1999, all Australian Government agencies are required to report annually on the application of the principles of ecologically sustainable development in their activities.

There is also a range of liaison arrangements that exist between the Australian Government and State/Territory Governments and Local Government bodies, including the Council of Australian Governments (COAG) and Commonwealth, State and Territory Ministerial bodies.

Within the Australian Government, the synergies between different areas of responsibility are already evident and will be built upon. Existing examples include the common interest that the Transport and Regional Services, Health, and Environment and Heritage portfolios have in fuel efficient, non-polluting transport systems; the Agriculture Fisheries and Forestry portfolio and the Environment and Heritage portfolio in effective natural resource management; and the relevance to all portfolios of the Education, Science and Training portfolio's focus on education which equips young people to cope with the challenges of a complex world.

All of these policies, processes and synergies provide opportunities to engage with sustainable development in a coordinated way across government.

5. Building partnerships

5.1 Foster the development of partnerships to identify and support new opportunities and initiatives.

A continued focus on partnerships will be central to initiatives utilising education to promote sustainable development.

Partnerships and high degrees of stakeholder involvement are a key feature of successful sustainable development implementation models. Partnerships provide both formal and informal opportunities for learning and should be fostered within and between government, non-government, business, industry and other organisations. Effective partnerships value diversity and the new perspectives and opportunities they provide. This in turn can lead to reflection, development of understanding, questioning modes of operation, innovation and subsequently change in line with sustainable development.

New initiatives will be developed which build on the strong commitment to working within and across government, and in partnership between governments, industry and communities, for improved social, economic and environmental outcomes. Existing initiatives which reflect this commitment include: the Sustainable Regions Programme, offering a planned, integrated approach to regions facing economic, social and environmental change; the integrated regional approach to natural resource management entailed in the Natural Heritage Trust and the National Action Plan for Salinity and Water Quality; the Basinwide strategic approach to water over-allocation in the Murray–Darling Basin agreed at COAG; the Greening of Government programme; and the National Water Initiative.

Partnerships at national, state and territory government level which have produced innovative education programmes—such as the Australian Sustainable Schools Initiative, which takes sustainability issues beyond the curriculum to involve a whole of school and community approach—serve as models for developing future projects in a range of sectors.

Given the global nature of sustainable development, and Australia's capacity to assist the efforts of other countries, international collaboration will also continue to be an important element of the Australian Government's approach in this area. A particular emphasis will be given to collaboration with countries in the Asia Pacific region.

6. Monitoring and Evaluation

6.1 Develop a system for monitoring and evaluating ESD activities, including progress against the goal of this strategy, to measure progress at the national level.

Research will be carried out into the most appropriate mechanisms to monitor and evaluate the success of initiatives and the development of key indicators for the DESD. To ensure broader learning and encourage coordination of activities, the results of these processes, and the outcome of case studies, will be disseminated to relevant stakeholders. Where appropriate, benchmarking studies, supported by longitudinal studies, of the sustainability knowledge, attitudes and behaviours of various sectors of the community will be developed to establish the success of ESD activities over the longer term.

Ongoing monitoring and evaluation of initiatives is essential to ensuring progress in a complex and emerging discipline such as ESD. The *International Implementation Scheme* for the Decade highlights the key role of national governments in the development of a comprehensive approach to monitoring and evaluation.

OUR COMMON TASK

The United Nations Decade of Education for Sustainable Development provides an opportunity to build upon existing activities at all levels of government in Australia and across all sectors, and to further expand the use of education and learning as tools for change in support of more sustainable lifestyles.

Ultimately, the success of this strategy rests on the ability and willingness of people across all walks of life to make informed decisions at work and in their homes and to take responsibility for their impact on the quality of life of other people, locally and globally.

The challenge ahead will be to find new and innovative ways to engage all Australians in the common task of "Caring for our Future".



Ron West monitoring estuaries, Merran Williams and the Department of the Environment and Heritage, Atherton tablelands, Wet Tropics Management Authority—OLD,

Tallebudgera beach school dune care demonstration, Rix Ryan Photography and the Department of the Environment and Heritage

FURTHER READING

Australian Government 2002, *Intergenerational Report 2002–03*,

Commonwealth of Australia, Canberra, viewed 22 January 2007,

http://www.dfat.gov.au/budget/2002-03/bp5/html/01_BP5Prelim.html>.

Department of Industry, Tourism and Resources 2003, *Tourism White Paper: A Medium to Long Term Strategy for Tourism*, Department of Industry, Tourism and Resources, Canberra, viewed 5 January 2007, http://www.industry.gov.au/content/itrinternet/cmscontent.cfm?objectID=F5DDA83B-65BF-4956-B33BB65E9D7D897D>.

Department of Education, Science and Training 2002, *An Environmentally Sustainable Australia*,

Department of Education, Science and Training, Canberra, viewed 5 January 2007,

.

Department of Education, Science and Training 2002, *Promoting and Maintaining Good Health*,

Department of Education, Science and Training, Canberra, viewed 5 January 2007

http://www.dest.gov.au/sectors/research_sector/policies_issues_reviews/key_issues/national_research_priorities/priority_goals/promoting_and_maintaining_good_health.htm>.

Department of Education, Science and Training 2004, *Backing Australia's Ability: Building Our Future through Science and Innovation*, Department of Education, Science and Training, Canberra, viewed 5 January 2007, http://backingaus.innovation.gov.au/info_booklet/booklet.pdf.

Department of the Environment and Heritage 2006, Educating for a Sustainable Future:

A National Environmental Education Statement for Australian Schools, Department of the Environment and Heritage, Canberra, viewed 19 January 2007,

http://www.environment.gov.au/education/publications/publs/sustainable-future.pdf.

Department of the Environment and Water Resources 2007, Environment Protection and Biodiversity

Conservation Act 1999, Department of the Environment and Water Resources, Canberra, viewed 6 February 2007,

http://www.environment.gov.au/epbc/index.html>.

Department of the Environment and Water Resources 2007, Sustainability Education,
Department of the Environment and Water Resources, Canberra, viewed 6 February 2007,
http://www.environment.gov.au/education/index.html>.

Department of the Environment and Water Resources & UrbisJHD 2007, *Development of a National Action Plan for Education for Sustainable Development*, UrbisJHD, Sydney, viewed 6 February 2007, http://www.urbisjhd.com/index.cfm?contentid=419>.



Department of Transport and Regional Services 2001, *Stronger Regions, A Stronger Australia*, Department of Transport and Regional Services, Canberra, viewed 5 January 2007, http://www.dotars.gov.au/regional/publications/pdf/regional_statement.pdf.

Department of the Prime Minister and Cabinet 2004, Securing Australia's Energy Future, prepared by the Energy Task Force, Department of the Prime Minister and Cabinet, Canberra, viewed 5 January 2007, http://www.pmc.gov.au/publications/energy_future/index.htm.

Environment Australia 2000, Environmental Education for a Sustainable Future: National Action Plan, Environment Australia, Canberra, viewed 5 January 2007, http://www.deh.gov.au/education/publications/nap/index.html.

National Water Commission 2006, *Australian Government Water Fund*, National Water Commission, Canberra, viewed 5 January 2007, http://www.nwc.gov.au/agwf/index.cfm>.

Productivity Commission 1999, *Inquiry into the Implementation of Ecologically Sustainable Development by Commonwealth Departments and Agencies*, Productivity Commission, Canberra, viewed 5 January 2007, http://www.pc.gov.au/inquiry/esd/finalreport/index.html>.

UNESCO 2002, Education for Sustainability: Lessons Learnt from a Decade of

Commitment from Rio to Johannesburg, UNESCO, Paris, viewed 5 January 2007,

http://portal.unesco.org/en/ev.php-URL_ID=5202&URL_DO=DO_TOPIC&URL_SECTION=201.html>.

UNESCO 2002, United Nations Decade of Education for Sustainable

Development, 2005–2014, UNESCO, Paris, viewed 5 January 2007,

http://portal.unesco.org/education/en/ev.php-URL_ID=23279&URL_DO=DO_TOPIC&URL_SECTION=201.html>.

UNESCO 2002, United Nations Decade of Education for Sustainable Development:

International Implementation Scheme, UNESCO, Paris, viewed 5 January 2007,

http://portal.unesco.org/education/en/ev.php-URL_ID=23280&URL_DO=DO_TOPIC&URL_SECTION=201.html>.

United Nations 2002, *World Summit on Sustainable Development*, Johannesburg, South Africa, 26 August – 4 September 2002, United Nations, New York, viewed 5 January 2007, http://www.un.org/events/wssd.

United Nations 2005, *Millennium Development Goals*, United Nations, New York, viewed 5 January 2007, http://www.un.org/millenniumgoals>.

