

AREAS OF EXPERTISE

- Strategic Planning
- Biodiversity Conservation
- Multi-Award-winning science writer & communicator
- Tourism/Ecotourism planning, management and operations
- Environmental Problem Analysis
- Ecological Studies
- Resource Studies
- Flora & Fauna
- Land Management Planning
- Project Management
- Tourism and land management with Aboriginal communities in central, northern and western Australian regions

EDUCATION

- **Bachelor of Science**, Macquarie University, Biology
- **Master of Environmental Studies**, Macquarie University, Geography Catchment Conservation of Wild Rivers

PROFESSIONAL HISTORY

- EcOz – Managing Director, Principal Environmental Scientist, 1990 – present
- Director, SmartUse Environmental Certification
- Inspector & Authorised Person, *Environment Protection Act 1986 (WA) (CI) (CKI)*
- Discovery Ecotours, Director, 1987 - 2000
- Independent consultant and science writer 1981-1990.
- Board Member Northern Territory Research and Innovation Board, current.

AWARDS:

Eureka Science Book Prize, 1997
Where Worlds Collide: The Wallace Line

REPRESENTATIVE EXPERIENCE

Manager of Degree Celsius JV between her business BIOCARBON, and regional NRM body Terrain. Degree Celsius is a regional carbon pooling initiative which pools and brokers bio-carbon from Far North Queensland's NRM activities.

General Manager EcOz Environmental Services with extensive experience in Northern, Central, Western and South-eastern Australia, including arid, semi-arid, coastal and tropical environments. International experience in ecotourism and biodiversity conservation.

Environmental consultant, since 1981, researching and reporting on resource inventory, natural area management, ecological, ecotourism, environmental planning and landuse capability studies, environmental impact assessment and recreational planning. Responsible for strategic planning, business planning, quality control, legislation, systems, financial management, project supervision and development, research, operations and client liaison.

Ecotourism consultant specialising in environmental policy, research on sustainable tourism management, integration of wildlife experiences, ecological research and traditional culture.

Managing Director, Discovery Ecotours from 1987-2000.

Author of popular science and non-fiction books including

The Discovery of the Hobbit: The Scientific Breakthrough that Changed the Face of Human History – Mike Moorwood & Penny van Oosterzee – 2007 by Random House.

Dragon Bones: The Story of Peking Man – A story of the search for the roots of humanity set against the Chinese civil war. Allen & Unwin 1999.

Where worlds collide: The Wallace Line - The first definitive book on the biogeography and natural and cultural history of the Wallace Line concept, updating the original theories by Sir Alfred Russell Wallace. *Commissioned by: Reed Books 1997. Eureka '97; Whitley '97*

A Field Guide to Central Australia: A definitive guide to the natural and cultural values of central Australia, complementing The Centre: The natural history of Australia's Arid regions. Commissioned by: Reed Books, 1995

The Centre: The Natural History of Australia's Desert Regions Reed Books **Eureka '91**,

Exploring Nature in the Deserts. The Young Naturalist Series. Australian Museum / Reed Books, Sydney. **Whitley 1991**

Governor WWF, Northern Australia, current.

Board Member Northern Territory Research and Innovation Board. 2004-2007.

Honorary Fellow. Key Centre of Wildlife Research, Charles Darwin University. Current

Honorary Associate, Department of Biological Sciences, Macquarie University. Current

Associate Centre International Forestry Research (CIFOR). Current

BioDiversity Advisory Committee (BDAC) Member; National BDAC committee; adviser to Federal Minister for Environment; 1996-2000.

Whitley Award for Best Historical Zoology, 1997 *Where Worlds Collide: The Wallace Line*

Inaugural Eureka Science Book Prize (Sep 91) *The Centre*

Whitley Awards in Australian Zoological Literature 1991

Royal Australian Planning Institute Award - Australian Desert Wildlife Park design and concept

Occasional Special Award of Merit 1995

Australian Institute of Landscape Architects Planning Award of Merit Australian Desert Wildlife Park design and concept 1995

Australian Institute of Management 1995 *Northern Territory Manager of the Year. Finalist with Special Commendation*

Brolga Award for Environmental Tourism 1992 & 1993 & 1998

Travel & Leisure Mark of Innovation Award International Finalist 1992

Australian Tourism Award for Excellence *Environmental Tourism* 1993

Banksia Environmental Awards, Finalist, EcoTourism Category 1996

PROFESSIONAL AFFILIATIONS

Australian Society of Authors

Ecological Society of Australia - formerly Overseas Correspondent for the Bulletin

Society for Conservation Biology

LANGUAGES

Bahasa Indonesia - Intermediate

Basic Dutch

Environmental & Management Projects:

EIS Telstra OFC Jabiru-Rikurdji. Client: Telstra Corporation, 2007

Rehabilitation Uranium mines, southern Kakadu NP. Client: Parks Australia North, 2006

EIS Bonaparte Gas Pipeline. Client: Australian Pipeline Trust, 2007

Clearances for many telecommunications facilities, Northern Territory & South Australia. Client: Telstra Corporation Ltd 2000-2006, ongoing.

North Queensland Tropical Birding Trails Feasibility Study - by EcOz, Charles Darwin Uni, CRC Sustainable Tourism, for Townsville Enterprise Ltd./FNQTB Committee 2005-06.

Property Management Plan Proposal Yugul Mangi Women Rangers, Ngukurr NT, Indigenous Coordination Council 2005.

Environmental Impact Assessment Murudjurl Safari Camp, Kakadu – Research, field assessment, report etc – Murudjurl 2005 – Project Director

Operational EMP Darwin Fuel Terminals – Peer review, project management - Vopak Terminals Ltd 2005 – Project Director

Construction EMP Darwin Biodiesel Plant – Peer review, project management - Natural Fuel 2005-6 – Project Director

Construction EMP – Pt Ceylon Aquaculture Estates – Project work, project management, peer review – Suntay Aquaculture PL 2005 – Project Director

Environmental Impact Study (EIS) Trans Territory Pipeline Gas Project, Woodside & Alcan 2002-2005 – Project Director

Environmental Impact Study (EIS) Blacktip Gas Project, Woodside Energy Ltd 2002-2005 – Project Director

Darwin Biodiesel Plant Public Environment Report (PER) Natural Fuel Ltd. 2004-5 – Project Director

ESMP Environmental Sustainability Management Plan for Mt Bunday Training Area, Phase 1 Environmental Review Defence/Parsons Brinckerhoff 2003 – Project Director

A concept plan for the establishment of a boardwalk near Banjo Swamp, Milikapiti, Melville Island, Tiwi Island Landcare Group, 2003 – Project Director

Wangamaty (Lower Daly River) Management Plan, Wangamaty LandCare Group Pty Ltd 2003

Environmental Constraints Assessment Pipeline in Northern Territory for offshore gas. Woodside Energy Ltd 2002 – Project Director

Asia Pacific Space Centre, Christmas Island Indian Ocean Develop and establish standards for Health, Safety, Dangerous Goods, Environment – Project Director. Dept Transport & Regional Services current.

Preparation of nominations of Wetland Sites to the Register of the National Estate. Northern Territory and Western Australia. A National Estates Grants Program project "Australian Wetlands Conservation Project". WWF 1997. for World Wide Fund for Nature Australia

Post-Exercise Monitoring Exercise Leopard Range Mt Bunday Training Area Northern Territory, Australia, prepared by Ecoz Australia, September 1996, for Department of Defence, Darwin Logistic Battalion

Vestey's Beach Coastal Walk - Research natural history & geology for Ecosystems (for Transport and Works), 1996.

Vertebrate Pests in Australia. Preece N. & van Oosterzee P. Comprehensive research report on contemporary vertebrate pest management and control in Australia. For Bureau of Resource Sciences.

Research the Stuart Highway: A comprehensive research project for the Heritage Trail Concept on the natural history and traditional culture of the Stuart Highway from Darwin to Kulgera; integration with modern history; 1996. *Client: NT Dept Transport & Works*

Natural heritage of the Victoria River Region. Report to Greening Australia & the Environment Centre NT. Funded by Australian Heritage Commission. (1994).

Uluru (Ayers Rock-Mt Olga) National Park: Review of Vegetation Mapping. Report to Australian National Parks & Wildlife (1992).

Report on Vegetation and Mammal Survey of Watarrka National Park for the Bilby Macrotis lagotis Reintroduction Program. Report to Conservation Commission NT (1991).

Investigation Report, the Yallah Bush, internal report to N.S.W. N.P.W.S. (1982)

Planning & Analysis:

Agro-Forestry Multi-species Plantation Feasibility Study for Peron Islands Enterprise Aboriginal Corporation, 2002-2003.

Indigenous Protected Area Management Plan for Lake Gregory, northern Great Sandy Desert – headed a team to prepare plan of management for Walmajarri Traditional Owners of Lake Gregory and Billiluna Pastoral Leases. Lake Gregory is an area of international significance.

Northern Australia Forum, Katherine. Invited session convenor and rapporteur on contract. *Dept of Territories, 2000.*

Mimbi Caves Conservation and Tourism Plan – headed team to develop plan for aboriginal Gooniyandi traditional owners for Mimbi Caves, an area of national significance.

Earth Alive National Tourism Summit – instigated and managed a ground-breaking summit of tourism industry leaders to incorporate biodiversity conservation within an Agenda 21 framework as a core and corporate concern of the industry at national, state and regional levels.

National Wilderness Inventory Data Verification, Northern Territory North and South – analysis and verification of wilderness boundaries in the Northern Territory and discussion of issues surrounding the concept of Wilderness. Environment Australia, Wilderness and Wild Rivers Section, 1999.

Two Way Track – Tourism and Biodiversity Conservation. Plenary speaker at the international Biotechnology, Biobusiness and Biodiversity conference, Perth Nov. 1998.

Indigenous Tourism in Australia - Critical review of reports, strategies, policies & research relating to Indigenous Tourism in Australia. Centre for Indigenous Natural & Cultural Resource Management, 1998.

Territory Wildlife Park: Concept and Master Plan for redevelopment of the park - concept, themes, layout, content; with Hassell Landscape Architects, and Jon Coe & Associates. Parks & Wildlife Commission NT, 1998.

Business Market Potential CRC for the Sustainable Development of Tropical Savannas. A study for the CRC in conjunction with Desliens Business Consultants, 1997.

Environmental Baseline and Tourism Indicators, Christmas Island, Indian Ocean, Report to Australian Nature Conservation Agency, Darwin 1996.

The future of tourism and value of scientific work at Kapalga Research Station, Kakadu National Park. Australian Nature Conservation Agency. 27pp + app. December 1994.

Australian Desert Wildlife Park and Botanic Gardens: Concept development: Research, analysis and documentation of major themes and messages, tourism potential and development, and overview of the project. Northern Territory Government 1994

Coolibah Swamp Draft Plan of Management. Greening Australia NT, Alice Springs 1993.

Science Communication:

Northern Territory Drive Strategy: Provide information folios for natural history for highway inns for the Stuart Highway; 1996. Client: NT Tourist Commission

Darwin: The Wild Side. van Oosterzee P. & Preece N., Book on Natural History of the Darwin region; commissioned by Conservation Commission NT. Due for publication 1998.

The Natural Heritage Values of the Victoria River District. The development of an objective, regional approach to the assessment of natural National Estate Values of the Victoria River District. Client: Environment Centre of N.T.

Travellers' Guides for the Northern Territory: project involved concept initiation and development, design, research, text and production management of these innovative guides:

- Alice Springs to Uluru (Ayers Rock)
- Darwin to Kakadu and Pine Creek
- series of 5 Strip Maps from Adelaide to Darwin. Client: Tourist Commissions NT & SA

ABC Radio National's Science Show. Writer and presenter of a range of interesting scripts including *Fossil Rivers, Lizards, Rabbits, Archaeology in the Arid Zone, Wild Camel Research, Extinctions in Australia's Arid Zone,* and *Australian Palaeontology's new discoveries 1991.* Client: ABC Science Unit

ABC Radio National's Earthworm. Writer and presenter of comprehensive reports including *Endangered Species in the Arid Zone, Pastoralism, Feral Horses, Mining in National Parks, the Bicentennial Ecological Conference, the Tree Weed Athel Pine,* and *Australian Ants.* Client: ABC Science Unit

Science and Environment: weekly broadcast for the ABC National Supplement Unit and for ABC Regional Radio, Alice Springs. Client: ABC Regional Radio

Central Australia's Natural world: Researched and co-directed two documentaries for Channel 9, Perth, Client: Channel 9, Perth.

Tourism & ecotourism

Heritage Guidelines for Tour Operators. Develop guidelines for the tourism industry for best practice at Heritage sites (Aboriginal, Natural and Historic). Australian Heritage Commission, current.

Established and operated Discovery Ecotours since 1987, winning multiple awards for tourism. Developed Ecotourism strategy for Eastern Indonesia for DARTI and for Indonesian Government.

Environment and Tourism: Two Way Track. World-wide critical analysis of the two-way dependence of environment and tourism. *Pacific Conservation Biology (in press).*

Indigenous Tourism. Presentation to the Wise Use of Wetlands: Indigenous Use Workshop. Batchelor, N.T. NTU Oct. 1998.

Tourism Incentives for Conservation of Biodiversity, Northern Australia. Client: CSIRO 1996.

Other Qualifications

Pitjantjatjara Cross-Cultural Course, 1987

PADI Open Water Diver

St John's Advanced First Aid.

Two Way Track: Biodiversity and Ecotourism. Client CSIRO and Commonwealth Dept of Environment, Sports and Territories.

PUBLICATIONS

- Also see popular books at Introduction of this CV, not repeated in this list.
- Moore, S., van Oosterzee, P. and Lennon, J. (2001). *Successful Tourism at Heritage Places: a guide for tourism operators heritage managers and communities*. Australian Heritage Commission and the CRC for Sustainable Tourism.
- van Oosterzee (2000). Ecotourism and biodiversity conservation – two way track. *Pacific Conservation Biology* 6:2 89-93
- Pitcher, M., van Oosterzee, P. and Palmer, L (1999). *Choice and Control: The Development of Indigenous Tourism in Australia*. CINCRM and CRC Sustainable Tourism.
- van Oosterzee, P (1999). Indigenous Participation in Tourism in Whitehead, P., Storrs M., McKaige M., Kennett R. and Douglas M. (eds) *Wise Use of Wetlands in Northern Australia: Indigenous Use*, Proceedings of a Workshop held at Batchelor college, Batchelor, Northern Territory, 29-30 September and 1 October 1998. Centre for Tropical Wetlands Management & Centre for Indigenous Natural and Cultural Resource Management, Northern Territory University, Darwin.
- van Oosterzee, P. and Preece, N. (1998). Ecotourism in communicating ecology in Wills, Ray and Hobbs, Richard (eds). *Ecology for Everyone: Communicating ecology to scientists, the public and the politicians*. Surrey Beatty and Sons.
- P van Oosterzee (1998) *Biogeographic relationship between Australia and Asia* in ARAZPA/ ASZK Conference Proceedings Taronga Zoo, Sydney, March 22-27.
- P van Oosterzee (1997) *In the Midst of the Orient Echoes of Australia*. Keynote Paper delivered to Unlocking Museums, National Conference of Museums Australia Inc. Sept. 1997
- van Oosterzee P & Preece ND (1996) *Ecotourism in World Heritage Tropical Forests*. Keynote address to International Conference on World Heritage Tropical Forests; Science for Better Management and Understanding, Cairns, Sept 1996.
- van Oosterzee P (1996) How the requirements of tourism can be incorporated into bioregional planning for the conservation of biodiversity. In: *Approaches to Bioregional Planning*. (Editor R. Breckwoldt, Proceedings National Conference 30 Oct-1 Nov 1995, Dept Environment Sport and Territories, Canberra.
- van Oosterzee P (1996) *Ecotourism in Communicating Ecology*. Keynote address to the Ecological Society of Australia symposium, Townsville.
- van Oosterzee P (1996) Top End and Kimberley Tourism Case Study in Young M.D., Gunningham N, Elix J, Lambert J, Howard B, Grabosky P and McCrone E (1996) *Reimbursing the Future: An evaluation of motivational, voluntary, price-based, property-right, and regulatory incentives for the conservation of biodiversity*. Biodiversity Series, Paper No. 9. Biodiversity Unit.
- Preece N., van Oosterzee, P. & James, D. (1995) *TWO WAY TRACK Biodiversity Conservation and Ecotourism*. Biodiversity Series, Paper No. 5, Biodiversity Unit, Dept Environment, Sport & Territories. 88pp.
- van Oosterzee P (1995) *Uncertainty, Systems and Sustaining an Industry*. Paper presented at Fenner Environment Conference: Risk

- and Uncertainty in Environmental Management. Australian Academy of Science.
- van Oosterzee P (1994) Ecotourism and Biodiversity - Strategy for Integration. *Proc. The First Conference on Eastern Indo-Australian Vertebrates*.
 - Land Systems EBC in association with Ecoz/Discovery Ecotours and 9 others (1994). *Desert Wildlife and Botanic Gardens - Alice Springs, Masterplan*.
 - van Oosterzee, P (1993) *Central Australian Parks Tour Operators Manual*, Conservation Comm. Northern Territory.
 - *Aboriginal Heritage; Wildlife Events; Wildlife Viewing - Fact Sheets* (1993). Australian Tourist Commission.
 - Preece ND & van Oosterzee P (1992) *Operating an Ecotourism enterprise in remote Australia*. Invited paper presented to Directions for Tourism Conference, Alice Springs, Apr 1992.
 - van Oosterzee, P (1992) *Silence of the Malas*. Wildlife Australia Magazine. March 1992.
 - van Oosterzee P. & Preece N. (1991) *Tourism Funding Research - The Desert Discovery Experience* Proc. Inaugural International Ecotourism Congress, Brisbane, Aust Sep 91
 - Preece N. & van Oosterzee P. (1991) *Ecotourism: Contributing to an Intelligent Country*. Proc. Inaugural International Ecotourism Congress, Bris, Australia Sep 91
 - van Oosterzee P. & Morrison M. (1990) Only Lizards Need Apply. *GEO*, **12** (3), 80-93.
 - Carmody M., van Oosterzee P. & Ledger R. (1988) Troubled Heartlands. *Habitat Australia* **16**(1):13-16.
 - Sea of Stone. *Panorama* March 1988.
 - van Oosterzee P. (1987) *The Alice Springs and Environs Wildlife Guide*. NTNPA.
 - Rabbits : The Desert Makers. *Australian Geographic*. No 7. July-Sept. 1987.
 - Fossil Rivers. *Australian Geographic*. No 5. Jan-Mar 1987.
 - The Aboriginal Industry. *Simply Living* Mag. Vol. 2., No 14.
 - van Oosterzee P. (1984) The Recreation Opportunity Spectrum: Its Use and Misuse. *Australian Geographer* **16**(2):97-104
 - van Oosterzee P. (1984) The Clyde River : Is this Wild River in Danger? *National Parks Journal*. **28**(6):12-14
 - van Oosterzee P. (1983) Flooding the Budawangs. *National Parks Journal*. **27**(5):10-11.
 - van Oosterzee P. (1982) More About Deep Ecology. *Habitat Australia*. **10**(6):11-12.