

Contents

1. The role of targets in conservation <i>Vernon Heywood</i>	7
1.1. Introduction	7
1.2. History of targets in conservation	8
1.3. Recent global targets	14
1.4. Criteria for acceptable targets	18
1.5. Effectiveness of targets	19
1.6. Discussion of specific targets	20
1.7. Conclusions	25
2. Seminar outcomes	27
2.1. Introduction	27
2.2. Misconceptions	28
2.3. Constraints	34
2.4. Action Areas	40
3. Keynote papers	55
3.1. The Changing context for contemporary science and scientists in the UK, <i>Robin Grove-White</i>	55
3.2. A global environmental overview: biodiversity at the crossroads of science, politics, and development, <i>Josep A. Garí</i>	63
4. Sectoral views	73
4.1. The Conservation Policy Agenda, <i>David Brackett</i>	73
4.2. Response to the Conservation Policy Agenda, <i>Chris Howe</i>	79
4.3. Scientists' viewpoint: ecological and economic aspects of wetland wastewater treatment in the Mississippi delta, a case study of ecosystem management for sustainability, <i>J. W. Day, Jr.</i>	82
4.4. Response to the scientists' viewpoint, <i>Vernon Heywood</i>	94
4.5. Scientific advice, research needs and conservation of biodiversity: a UK Government perspective, <i>Andrew Stott</i>	95
4.6. Response to UK Government perspective, <i>Roger Crofts</i>	104
4.7. Biodiversity: a private sector perspective, <i>David Richards</i>	106
4.8. A response to the private sector perspective from a conservation NGO perspective, <i>Colin Bibby</i>	110
4.9. The agricultural sector perspective, <i>Colin Spedding</i>	113
4.10. Responding to the agricultural sector perspective, <i>Arlin Rickard</i>	120
5. New initiatives	125
5.1. Practitioners' approach to policy implementation, <i>Simon Lyster</i>	125
5.2. An agrobiodiversity perspective, <i>John Beringer</i>	130

5.3. What new approaches are possible? <i>Peter Crane</i>	135
5.4. The Ecosystem Approach and the scientists' perspective, <i>Edward Maltby</i>	142
6. The way forward <i>Vernon Heywood and Adrian Phillips</i>	151
6.1. Changing paradigms in conservation	151
6.2. The role of global change	154
6.3. A protected area perspective	155
7. Emerging messages <i>Charles Perrings, Edward Maltby, Vernon Heywood, Roger Crofts and Conor Linstead</i>	159
7.1. Biodiversity loss matters to people because it affects their well-being	159
7.2. Biodiversity conservation is important in managed local systems	160
7.3. Biodiversity conservation and globalisation of international trade	163
7.4. Biodiversity conservation and the need for an integrated approach	166
7.5. Putting people into the framework	168
7.6. The way ahead	170
7.7. Using targets	171
8. References	172

Participant list

Session 1

Prof. Harold Mooney, Stanford University. Email: hmooney@jasper.stanford.edu
Prof. Robin Grove-White, University of Lancaster. Email: grovewhi@lancaster.ac.uk
Dr Josep Garí, University of Oxford. Email: jgarí@nimbus.geog.ox.ac.uk

Session 2

Mr David Brackett, IUCN. Email: ssc-chair@hq.iucn.org
Dr John Day, Louisiana State University. Email: johnday@lsu.edu
Prof. John Proops, Keele University. Email: j.l.r.proops@envs.keele.ac.uk
Dr Andrew Stott, DETR. Email: andrew_stott@detr.gsi.gov.uk
Mr David Richards, Rio Tinto plc. Email: david.richards@riotinto.com
Prof. Sir Colin Spedding, Centre for Agricultural Strategy.
Dr Chris Howe, WWF New Zealand. Email: chris.howe@wwf.org.nz
Prof. Vernon Heywood, The University of Reading. Email: v.h.heywood@reading.ac.uk
Prof. Charles Perrings, Arizona State University. Email: Charles.Perrings@asu.edu
Prof. Roger Crofts, Scottish National Heritage. Email: roger@dodin.idpse.co.uk
Mr Arlin Rickard, Westcountry Rivers Trust. Email: arlin@wrt.org.uk
Sir Martin Holdgate, former Director-General IUCN. Fax: (01768) 371039.

Session 3

Dr Simon Lyster, The Wildlife Trusts. Email: slyster@dgoffice.cix.co.uk
Sir John Beringer, University of Bristol. Email: j.beringer@bristol.ac.uk
Prof. Sir Peter Crane, Royal Botanic Gardens, Kew, Richmond. Email: p.crane@rbgkew.org.uk
Prof. Edward Maltby, University of Liverpool. Email: e.maltby@liverpool.ac.uk

Other attendees/contributors

†Dr Colin Bibby, BirdLife International.
Prof. Valerie Brown, University of Reading. Email: v.k.brown@reading.ac.uk
Dr Kevin Bishop, Swedish University of Agricultural Sciences. Email: kevin.bishop@ma.slu.se
Dr Roger Safford, University of London. Email: roger.safford@birdlife.org.uk
Dr Jeremy Kerr, Canada Centre for Remote Sensing. Email: jeremy.kerr@ccrs.nrcan.gc.ca
Dr Johannes Vogel, The Natural History Museum London. Email: j.vogel@nhm.ac.uk
Dr Pam Berry, University of Oxford. Email: pam.berry@geog.ox.ac.uk
Dr Paul Bright, University of London. Email: p.bright@rhul.ac.uk
Ms Gemma Smith, UNEP-WCMC. Email: gemma.smith@unep-wcmc.org
Mr James Martin Jones, WWF-UK. Email: jmjones@wwf.org.uk
Dr Steve Carter, University of London. Email: s.p.carter@rhul.ac.uk
Prof. Frank Bisby, The University of Reading. Email: f.a.bisby@reading.ac.uk
Mr Alistair Gammell, RSPB. Email: alistair.gammell@rspb.org.uk