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Nota di contenuto	Cover; Contents; Author biographies; Introduction; 1 It's the numbers, stupid!; Endnote; References; 2 The environmental implications of population growth; Population growth in Australia; Population size, agricultural intensification and environmental impacts; The education-environment paradox; References; 3 Whither wildlife in an overpopulated world?; Introduction; Australia's human population; People and wildlife in Australia - pre-1788; People and wildlife in Australia - 1788 to the present; Direct effects of people on wildlife; Indirect effects of people on wildlife; Back to the future ConclusionsAcknowledgements; Further reading; Endnotes; References; 4 The outlook for population growth in Australia; Sources of NOM; The permanent program; Temporary migrants; Working holiday makers; Temporary migrants on 457 visas; The momentum towards higher migration; References; 5 What population growth will do to Australia's society and economy; So what are we in for over the next 80 years or so?; Food and water and energy; Security; Infrastructure and services; Economic rocks ahead; House prices; Politicians pretending not to see;

Endnotes; References

6 Ageing paranoia, its fictional basis and all too real costs
The importance of our population choice; Nations fear ageing more than overpopulation; Ageing is an inevitable but self-limiting feature of the demographic transition; The '3Ps': GDP = Population x Participation x Productivity; Demand and supply of labour; The real world experiment; How will we afford the pensions?; Health care is a growth industry; Depopulation dividends; The ageing crisis we are choosing; Just another Millennium Bug?; References; 7 The propaganda campaign against peaking fossil fuel production

Energy and civilisation
Future rates of fossil fuel production; Net energy production; Threats to the fossil fuel industries and their responses; Inaccurate energy forecasts by the IEA; Climate change and fossil fuel peaks; The Australian Government's failure to address peak oil; Australia's significant and increasing fuel insecurity; References; 8 The coming radical change in mining practice; Mining is not as viable as it used to be - why?; Decreasing grade; Increase in required energy versus peak energy production; Peak total energy; The Big Picture; The writing on the wall for us all

References
9 Coal: nails in the global coffin; Endnote; References; 10 Save the soil to save the planet; Introduction; Current situation; Soils for Life focus on soil, water and vegetation; Healthy soils; Water; Vegetation; Soils for Life program; Soil advocacy; Conclusion; References; 11 Food, land and water: lessons from the Murray-Darling Basin; 12 Balancing water use for food and the environment: looking to the North based on lessons from the South; Setting the scene; Understanding the causes of environmental damage arising from agriculture

Is there a case for major expansion of irrigation in northern Australia?

Sommario/riassunto

Sustainable Futures explores the links between population growth, diminishing resources and environmental challenges, and the implications for Australia's future. Written by leaders in their field, and based on presentations from the 2013 Fenner Conference on 'Population, Resources and Climate Change', this book is a timely insight into the intertwined challenges that we currently face, and what can be done to ensure a sustainable and viable future. The book identifies the major areas of concern for Australia's future, including environmental, social and economic implications of population growth
