

1. Record Nr.	UNINA9910734846703321
Autore	New Tim R
Titolo	The Other Lepidoptera: Moth Conservation in Australia [[electronic resource] /] / by Tim R. New
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-32103-0
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (233 pages)
Disciplina	333.9516
Soggetti	Conservation biology Ecology Invertebrates Biodiversity Biotic communities Bioclimatology Conservation Biology Invertebrate Zoology Ecosystems Climate Change Ecology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Introducing moth variety and diversity -- Chapter 2: Moth ecology and conservation importance -- Chapter 3: Moth declines and the need for conservation -- Chapter 4: Causes for concern: habitat change as the major imposed threat to moths -- Chapter 5: Causes for concern: confounding threats to moths -- Chapter 6: Australia's moths and their habitats -- Chapter 7: A closer focus: threats to Australia's moths -- Chapter 8: Moth flagships in Australia: focus on single taxa -- Chapter 9: Conservation potential for Australia's moths: focus on wider diversity -- Chapter 10: Bringing potential to practice: a future for Australia's moths.
Sommario/riassunto	Conservation interest in moths, by far the predominant components of Lepidoptera, lags far behind that for butterflies, for which conservation practice provides many well-established lessons for extension to their

near relatives. The needs of moths are at least as great, but their greater richness and variety, and far poorer documentation of diversity and biology over much of the world contribute to this lack of attention. Australia's rich moth fauna, largely endemic and of global interest, illustrates many of the problems of developing wider interest and support for moth conservation. Numerous species (perhaps half the total fauna) are undescribed, and many are ecological specialists in restricted and vulnerable environments over small parts of the continent. Establishing their conservation status and needs whilst accepting that foundation knowledge is highly incomplete and much species-focused conservation is impracticable provides complex problems in setting priorities, based largely on wider diversity and effective advocacy. Most Australian vegetation systems, from grassland to forest and from sea-level to alpine zones, have been eroded in extent and quality since European settlement, resulting in massive habitat changes for native insects and to leave fragmented (and commonly degraded) remnants in which moths and others may persist. Recent surveys continue to increase recorded moth richness, reveal local faunal peculiarities, and indicate how assemblage changes may mirror wider environmental changes. This book is an overview of advances in documenting and interpreting moth diversity and ecology, to show how information from better-studied moth faunas can help in planning conservation of Australia's moths through measures such as understanding the moths themselves by increased surveys and study, the factors influencing their diversity and wellbeing, and how such threats may be countered through increased coordinated conservation interest, commitment and management.
