

1. Record Nr.	UNINA990009373250403321
Autore	Internatioanl symposium on Brain-pituitary-adrenal interrelationships :
Titolo	<1972 Brain-pituitary-adrenal interrelationships : international symposium on brain-pituitary-adrenal interrelationships, Cincinnati, Ohio, June 14-16, 1972 / editors A. Brodish and E. S. Redgate
Pubbl/distr/stampa	Basel [etc.] : S. Karger, 1973
ISBN	3805514573
Descrizione fisica	XII, 340 p. ; 25 cm
Locazione	DMVSF
Collocazione	IV C 78 IV C 157
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910253929103321
Titolo	Energy and Matter Fluxes of a Spruce Forest Ecosystem / / edited by Thomas Foken
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-49389-2
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XV, 532 p. 189 illus., 84 illus. in color.)
Collana	Ecological Studies, Analysis and Synthesis, , 2196-971X ; ; 229
Disciplina	574.5264
Soggetti	Biotic communities Biogeography Physical geography Forestry Ecosystems Biogeosciences Earth System Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	History of the Waldstein-Weidenbrunnen FLUXNET site and scientific aims of the research -- Description of the measuring site -- Climate and trace gas concentrations -- Long-term carbon and water vapour fluxes -- Sap flow measurements.-Fluxes in the ground -- Coherent structures and flux coupling -- Trace gas concentrations and fluxes near the ground -- Trace gas fluxes -- Isotope fluxes -- Development of flux data quality tools -- Interaction Forest-Clearing -- Forest climate in vertical and horizontal scales -- Catchment evaporation and runoff -- One dimensional modelling of the energy and matter exchange -- Three dimensional modelling of the energy and matter exchange -- Comparison of meso-scale modeled fluxes and measurements -- What can we learn for a better understanding of the turbulent exchange processes at FLUXNET sites.
Sommario/riassunto	This book focuses on fluxes of energy, carbon dioxide and matter in and above a Central European spruce forest. The transition from a

forest affected by acid rain into a heterogeneous forest occurred as a result of wind throw, bark beetles and climate change. Scientific results obtained over the last 20 years at the FLUXNET site DE-Bay (Waldstein-Weidenbrunnen) are shown together with methods developed at the site, including the application of footprint models for data-quality analysis, the coupling between the trunk space and the atmosphere, the importance of the Damköhler number for trace gas studies, and the turbulent conditions at a forest edge. In addition to the many experimental studies, the book also applies model studies such as higher-order closure models, Large-Eddy Simulations, and runoff models for the catchment and compares them with the experimental data. Moreover, by highlighting processes in the atmosphere it offers insights into the functioning of the ecosystem as a whole. It is of interest to ecologists, micrometeorologists and ecosystem modelers.
