

1. Record Nr.	UNINA9910789227503321
Titolo	A national strategy for advancing climate modeling // Committee on a National Strategy for Advancing Climate Modeling, Board on Atmospheric Studies and Climate, Division on Earth and Life Studies
Pubbl/distr/stampa	Washington, District of Columbia : , : National Academies Press, , [2012] ©2012
ISBN	0-309-25980-0 0-309-25978-9
Descrizione fisica	1 online resource (294 p.)
Disciplina	551.6
Soggetti	Meteorology - Mathematical models Climatology - Mathematical models Meteorology - Research - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Prepublication copy.
Nota di bibliografia	Includes bibliographical references (pages 207-226).
Nota di contenuto	Introduction -- Lessons from reports on climate modeling -- Strategies for developing climate models: model hierarchy, resolution, and complexity -- Scientific frontiers -- Integrated climate observing system and earth system analysis -- Characterizing, quantifying, and communicating uncertainty -- Climate model development workforce -- Relationship of U.S. climate modeling to other international and national efforts -- Strategy for operational climate modeling and data distribution -- Computational infrastructure-challenges and opportunities -- Synergies between weather and climate modeling -- Interface with user and educational communities -- Strategies for optimizing U.S. institutional arrangements -- A national strategy for advancing climate modeling.