

1. Record Nr.	UNINA9910953954003321
Titolo	A new biology for the 21st century // National Research Council, Division on Earth and Life Studies, Board on Life Sciences, Committee on a New Biology for the 21st Century: Ensuring the United States Leads the Coming Biology Revolution
Pubbl/distr/stampa	Washington, D.C., : National Academies Press, c2009
ISBN	9786612454820 9780309147866 0309147867 9781282454828 128245482X 9780309144896 0309144892
Edizione	[1st ed.]
Descrizione fisica	1 online resource (113 p.)
Disciplina	570.72
Soggetti	Biology - Research - Methodology Biology - Research - United States - History Interdisciplinary research - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographic references (p. 91-94).
Nota di contenuto	Preface -- Acknowledgments -- Contents -- Summary -- Introduction: A Vision of the Future -- 1: The New Biology's Great Potential -- 2 How the New Biology Can Address Societal Challenges -- 3 Why Now? -- 4 Putting the New Biology to Work -- 5 Recommendations -- References -- Appendix A: Statement of Task -- Appendix B: Workshop Agenda.
Sommario/riassunto	"Now more than ever, biology has the potential to contribute practical solutions to many of the major challenges confronting the United States and the world. A New Biology for the 21st Century recommends that a "New Biology" approach--one that depends on greater integration within biology, and closer collaboration with physical, computational, and earth scientists, mathematicians and engineers--be used to find

solutions to four key societal needs: sustainable food production, ecosystem restoration, optimized biofuel production, and improvement in human health. The approach calls for a coordinated effort to leverage resources across the federal, private, and academic sectors to help meet challenges and improve the return on life science research in general."--Publisher's description.
