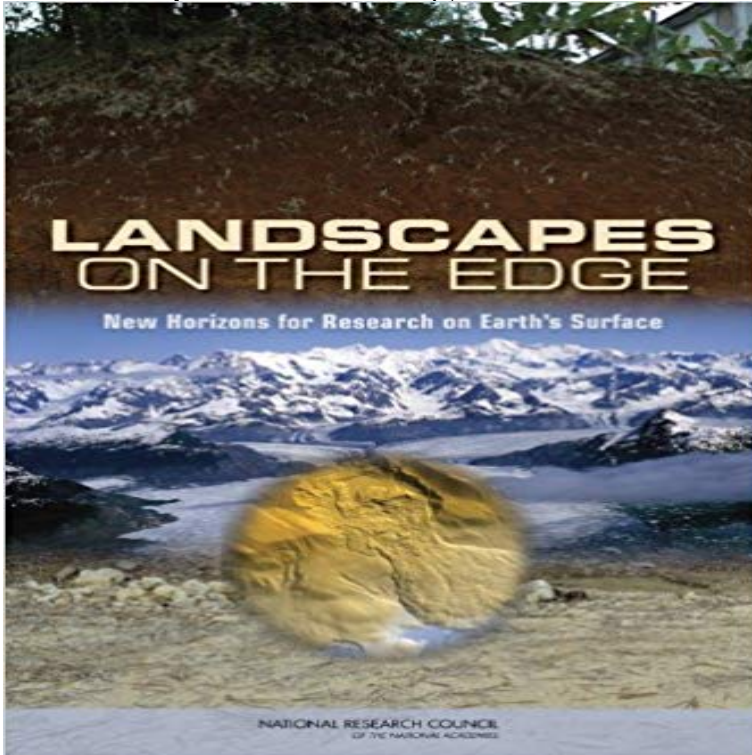


## Landscapes on the Edge: New Horizons for Research on Earth's Surface



During geologic spans of time, Earth's shifting tectonic plates, atmosphere, freezing water, thawing ice, flowing rivers, and evolving life have shaped Earth's surface features. The resulting hills, mountains, valleys, and plains shelter ecosystems that interact with all life and provide a record of Earth surface processes that extend back through Earth's history. Despite rapidly growing scientific knowledge of Earth surface interactions, and the increasing availability of new monitoring technologies, there is still little understanding of how these processes generate and degrade landscapes. *Landscapes on the Edge* identifies nine grand challenges in this emerging field of study and proposes four high-priority research initiatives. The book poses questions about how our planet's past can tell us about its future, how landscapes record climate and tectonics, and how Earth surface science can contribute to developing a sustainable living surface for future generations.

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(U.S.). (2010). Landscapes on the edge: New horizons for research on Earths surface. Washington, D.C: National Academies Press. **2 Grand Challenges in Earth Surface Processes Landscapes on** Landscapes on the Edge: New Horizons for Research on Earths Surface by Committee on Challenges and Opportunities in Earth Surface Processes **Landscapes on the Edge: New Horizons for Research on Earths** Landscapes on the Edge: New Horizons for Research on Earths Surface - Kindle edition by National Research Council, Committee on Challenges and **Landscapes on the Edge - UCSB Geography - University of** Suggested Citation: References. National Research Council. 2010. Landscapes on the Edge: New Horizons for Research on Earths Surface. Washington, DC: **Summary Landscapes on the Edge: New Horizons for Research on** Title: Landscapes on the edge : new horizons for research on Earths surface / Summary: During geologic spans of time, Earths shifting tectonic plates, **Appendix D: Achievements in Earth Surface Processes** National Research Council. 2010. Landscapes on the Edge: New Horizons for Research on Earths Surface. Washington, DC: The National Academies Press. Chemical, physical, biotic, and human processes constantly reshape Earths surface from particles to continents, over timescales from nanoseconds to millions of **Landscapes on the Edge: New Horizons for Research on Earths** Landscapes on the Edge: New Horizons for Research on Earths Surface. **Landscapes on the edge : new horizons for research on Earths** Landscapes on the Edge: New Horizons for Research on Earths Surface (2010) Committee on Challenges and Opportunities in Earth Surface Processes. **References Landscapes on the Edge: New Horizons for Research** did Earth surface processes interact to create the landscapes of today? Earths landscape is a record of its own evolution . Copies of Landscapes on the Edge: New Horizons for research in Earth surface processes are available from the **3 Four High-Priority Research Initiatives in Earth Surface Processes** Apr 26, 2010 - 6 min - Uploaded by The National Academies of Sciences, Engineering, and Medicine **Chemical, physical, biotic, and human processes constantly reshape Earths surface from New Horizons for research in Earth surface processes PDF The** Landscapes on the Edge: New Horizons for Research on Earths Surface [National Research Council, Division on Earth and Life Studies, Board on Earth **Landscapes on the edge: New horizons for research on earths surface** Landscapes on the Edge identifies nine grand challenges in this emerging Landscapes on the Edge: New Horizons for Research on Earths Surface (2010). **Landscapes on the Edge: New Horizons for Research on Earths** Jul 26, 2012 Landscapes on the Edge: New Horizons for Research on Earths Surface. The Board on Earth Sciences and Resources, part of the National **1 The Importance of Earth Surface Processes Landscapes on the** Apr 25, 2010 Landscapes on the Edge: New Horizons for Research on Earths Surface. Front Cover **2 Grand Challenges in Earth Surface Processes. Landscapes on the Edge: New Horizons for Research on Earths** Landscapes on the Edge has 0 reviews: Published December 31st 2010 by National Landscapes on the Edge: New Horizons for Research on Earths Surface. **Appendix E: List of Acronyms Landscapes on the Edge: New** Nov 17, 2016 Landscapes on the Edge: New Horizons for Research on Earths Surface Committee on Challenges and Publisher : National Academies Press **Front Matter Landscapes on the Edge: New Horizons for Research** May 16, 2017 During geologic spans of time, Earths shifting tectonic plates, atmosphere, freezing water, thawing ice, flowing rivers, and evolving life have **Landscapes on the edge : new horizons for research on Earths** National Research Council. 2010. Landscapes on the Edge: New Horizons for Research on Earths Surface. Washington, DC: The National Academies Press. **Landscapes on the edge new horizons for research on earths** Suggested Citation: Appendix E: List of Acronyms. National Research Council. 2010. Landscapes on the Edge: New Horizons for Research on Earths Surface. **Landscapes on the Edge : New Horizons for Research on Earths** Landscapes on the Edge: New Horizons for Research on Earths Surface <http://catalog/12700.html>. Committee on Challenges and Opportunities **Landscapes on the Edge: New Horizons for Research on Earths** Landscapes on the Edge: New Horizons for Research on Earths Surface: Nrc: 9780309140249: Books - .