

ProQuest ONE SUSTAINABILITY

Support your students to address the big challenges

Sustainability issues have become some of the most pressing and urgent facing us today, and related programs have grown markedly to meet worldwide demand for a workforce that understands their complexity and is equipped with the knowledge and skills to address them.

As sustainability becomes more central in society, it is also expanding within academic curricula. Courses now cover diverse areas like Environmental Economics, Climate Change Health Impacts, AI and Sustainability, and Green Chemistry. This trend drives growing demand for interdisciplinary materials that integrate environmental, social, and economic aspects.

Developed in collaboration with curriculum experts, faculty, students, and librarians, **ProQuest One Sustainability** meets this demand by bringing together a comprehensive collection of content on an interface specifically designed for the transdisciplinary study of sustainability.



Authoritative Multi-Format Content

The content needed to support transdisciplinary research, teaching, and learning.

Includes thousands of peer-reviewed journals, books, case studies, articles, NGO and government reports, dissertations, and other forms of gray literature.



A User Experience Built for Sustainability

ProQuest One Sustainability is designed to support the use cases and tasks of those studying, teaching, and researching transdisciplinary topics such as green technologies, environmental justice, biodiversity, and sustainable transportation.

Structured around the commonly studied and researched areas, frameworks, and concepts in sustainability, such as the three pillars of sustainability (environmental, economic, and social) and the UN's Sustainable Development Goals.



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ProQuest
Part of **Clarivate**

Authoritative Multi-Format Content

SCHOLARLY JOURNALS

The latest research from over **1,500 scholarly journals** in ongoing full-text, including Nature Sustainability.

SELECTED ARTICLES

Thousands of additional **sustainability-related articles** from publications across all disciplines including politics, business, and current affairs show sustainability issues from all angles.

BOOKS

An expertly curated collection of **7,500 ebooks** from publishers such as Taylor & Francis, Springer, and Emerald.



ProQuest ONE SUSTAINABILITY



ESSENTIAL A&I DATABASES

Including AGRICOLA, Aquatic Science & Fisheries Abstracts, and Meteorological and Geostrophysical Abstracts.



DISSERTATIONS

Unique content from **37k dissertations** to help fuel innovation and provide new insights.

CASE STUDIES

40k case studies show real-world examples to illustrate theory, help with lesson planning, and promote classroom discussion. Includes CABI Cases; a growing collection of peer-reviewed, educational case studies.

A User Experience Built for Sustainability

Easy access to the most important journals in sustainability straight from the home page.

Featured and Trending Topics give students inspiration and ideas for projects and areas to study.

Content is tagged to the **3 Pillars of Sustainability** for more logical and intuitive discovery and to allow users to refine searches by pillar.

The screenshot displays the ProQuest One Sustainability homepage. At the top, there's a navigation bar with 'Basic Search', 'Advanced Search', 'Publications', 'Browse', and 'Change databases'. Below this is a search bar with a dropdown menu for 'All', 'Scholarly Journals', 'Books', 'Case Studies', 'Review Articles', and 'More'. The search bar contains the text 'Enter search terms...' and a search icon. Below the search bar are filters for 'Full text', 'Peer reviewed', and 'Exclude Wire Feeds'. The main content area is divided into three sections: 'Scholarly Journals' featuring 'Nature Sustainability', 'Sustainability Science, Dordrecht', and 'Environment and Behavior, Thousand Oaks'; 'Featured Topics' including 'Sustainable Forest Management', 'Renewable Energy', and 'Water Supply Sustainability'; and 'Sustainability Pillars' represented by a Venn diagram with 'ENVIRONMENTAL', 'ECONOMIC', and 'SOCIAL' pillars. Below these sections is a 'Trending Topics in Sustainability' section with buttons for 'Renewable Energy', 'Sustainable Solid Waste Management', 'Climate Change', 'Sustainable Forest Management', 'Tragedy of the Commons', 'Circular Economy', 'Offshore Wind Energy', 'Global Food Security and Plant Genomics', 'Sustainable Tourism', 'Electric Vehicles', and 'View all topics'. The 'Sustainable Development Goals' section shows six goal cards: 'SDG 1: No Poverty', 'SDG 2: End Hunger', 'SDG 3: Good Health and Well Being', 'SDG 4: Quality Education', 'SDG 5: Gender Equality', and 'SDG 6: Clean Water and Sanitation'. The 'Sustainability Competencies' section features six competency cards: 'Futures Thinking', 'Implementation Competency', 'Integrated Problem-Solving', 'Interpersonal Competency', 'Strategic Thinking Competency', and 'Systems Thinking'.

Each **UN Sustainable Development Goal (SDG)** has its own Topic Page allowing users to explore research findings, dissertations, books and the latest news on each goal, target, and sub-target.

Topic Pages for key competencies in sustainability education help students understand the skills, knowledge, and expertise needed to address sustainability challenges.

Includes the new ProQuest Research Assistant beta

Built in collaboration with librarians, students, and faculty, **ProQuest Research Assistant** harnesses AI to solve real problems and streamline workflows.



Providing rich document-level insights and helping users create better search queries:

- **Key takeaways** of the document to quickly determine relevance
- **Explanations** of important concepts in the document
- **Guidance** on next steps, including suggestions for future research topics
- **Helps users** turn generic searches into more precise queries

Generates synonyms and related terms to help users easily craft a structured Boolean search, adding relevant terms with a click.



Insights are customised to the document being viewed, including a **key takeaway** to quickly determine relevance.

Users are guided to useful next steps such as exploring the **important concepts** discussed in the document...

...or choosing from **suggested research topics** based on the document.

Here is the **key takeaway** for this document.

Density lowers the per-person cost of public transport, which reduces car use and can lead to substantial emissions savings through policies like 'demolish and densify'. Additional topics discussed in the text are: the broken-window fallacy, embodied carbon, and the impact of urban planning on emissions. These topics are significant for researchers as they highlight the complexities of economic arguments related to environmental policies and the importance of considering both operational and embodied emissions in urban

Here are important **concepts** discussed in this document and why they are important.

1. **Green Alliance:** A pressure group in Britain advocating for environmental policies, particularly in relation to urban density and public transport. Its research supports the idea that increasing density can significantly reduce emissions over time, highlighting its influence on environmental policy discussions.
2. **Frédéric Bastiat:** A 19th-century economist known for his parable of the broken window, which critiques the fallacy of focusing only on visible economic activity. His ideas are referenced to illustrate the importance of

Here are **research topics** based on this document.

1. Impact of urban density on emissions: Understanding how urban density affects transportation emissions is crucial for developing sustainable city planning strategies.
2. Embodied carbon in construction: Investigating the concept of embodied carbon can lead to more informed decisions in building practices and materials selection.
3. NIMBYism and its environmental impact: Examining the effects of NIMBY attitudes on housing and urban development can inform

Supports Sustainability Teaching and Research

Topic Pages provide a short overview alongside links to related subjects and curated resources like articles, case studies, and books. They help users:

- **Quickly understand** a topic
- **Examine** it from different perspectives and discipline viewpoints
- **Research** it more deeply
- **Explore** it in its wider context and the relationships between different topics

Carbon Capture and Sequestration

On this page: [Scholarly Journals](#) [Top Publications](#) [News](#) [Books](#) [Case Studies](#) [Reports](#) [Dissertations](#) [Subjects](#) [Authors Writing On This Topic](#) [Results Timeline](#)

Carbon capture and storage (CCS) sometimes called carbon capture and sequestration is the long-term isolation of carbon dioxide from the atmosphere through physical, chemical, biological, or engineered processes. The purpose is to reduce anthropogenic CO₂ emissions, primarily from fossil fuel usage. CCS can be a cost-effective partial solution to climate change, accounting for 10–15% of the needed abatement to limit global warming to less than 2 °C above pre-industrial levels. CCS should be considered as part of a portfolio of solutions which include efficiency, conservation, renewable energy, nuclear power, and other options. In the broadest sense, CCS includes a range of approaches including soil...
Show more

Le-Jean Hardin and Jamie Payne derivative work. Jari Anttonen (Ed.). Carbon sequestration, CC BY-SA. 3.0

Search this topic...

Recommended searches: [Climate change](#) [Emissions](#) [Geological storage](#) [Global warming](#) [Greenhouse gases](#) [Power plants](#)

SCHOLARLY JOURNAL ARTICLES

- Comprehensive technology and economic evaluation based on the promotion of large-scale carbon capture and storage demonstration projects. Shen, Minghai; Hu, Zhihao; Kong, Fulin; Tong, Lige; Yin, Shaowu; et al. *Reviews in Environmental Science and Biotechnology*. Dordrecht Vol. 22, Iss. 3, (Sep 2023): 823-895.
- The economics of clean coal power generation with carbon capture and storage technology in China. Xiu, Yan; Wang, Kai; Pei, Jiamin. *Clean Technologies and Environmental Policy*. Berlin Vol. 25, Iss. 7, (Sep 2023): 2393-2411.

TOP PUBLICATIONS FOR THIS TOPIC

- Energy. 430 articles found
- The Institute of Electrical and Electronics Engineers, Inc. (IEEE) Conference Proceedings. 288 articles found
- Applied energy. 279 articles found

NEWS & MAGAZINES

- Post-combustion capture and other Carbon Capture and Sequestration (CCS) technologies: A review. Ibigami, Otayinka Abiodun; Oluwatimilehin, Daniel Onilearo; Akinyeye, Richard Odunayo. *Environmental Quality Management*. Hoboken Vol. 34, Iss. 1, (Fall 2024).

BOOKS

- Carbon capture and storage / Stephen A. Rackley. Rackley, Stephen A. *Carbon capture and storage* 677 pages. 2017.

CASE STUDIES

- Coupling coordination analysis of industrial mining land, landscape pattern and carbon storage in a mining city: a case study of Ordos, China. Dong, Junjie; Guo, Ziqi; Zhao, Yindi; Hu, Mengfan; Li, Jiaxing. *Geomatics, Natural Hazards & Risk*. Abingdon Vol. 14, Iss. 1, (Dec 2023).
- Technical note: Assessment of float pH data quality control methods -

REPORTS

- Green Mobility Magazine - IbeX Publishing: EU Approves €3 Billion Swedish Scheme to Support Biogenic Carbon Capture and Storage. IbeXus, Botolomus. *Green Mobility Magazine [BLOG]*. London, (Jul 4, 2024).
- Land Uses; Special Uses; Carbon Capture and Storage Exemption. Agriculture Department Documents and Publications; Washington, (Nov 3, 2023).

Many sustainability challenges are transdisciplinary and require a comprehensive approach from multiple perspectives. **ProQuest One Sustainability** is structured around the three interconnected pillars of sustainability: environmental, social, and economic. Content is tagged to one or more of these pillars, enabling users to explore global problems and solutions holistically and across disciplines.

ProQuest One Sustainability

"climate migration" AND "Sea level rise"

Cyclone Aila Managed retreat Climate Refugees Climate security Coastal hazards Climate change

394 results

Sorted by: Relevance

Limit to:

- Exclude Wire Feeds
- Full text
- Peer reviewed

Sustainability Pillar

- Environmental (154)
- Social (89)
- Economic (39)
- More >

Select 1-20

1 Scenario Analysis of Shorelines, Coastal Erosion, and Land Use/Land Cover Changes and Their Implication for Climate Migration in East and West Africa. Oye Ideki; Ajoku, Osinachi. *Journal of Marine Science and Engineering; Basel* Vol. 12, Iss. 7, (2024): 1081. ...Implications on Climate Migration This section focuses on shoreline and sea... characteristics, wave dynamics, near-shore circulation, and sea level rise... tidal processes. Sea level rise has recently emerged as a threat to shoreline... Abstract/Details Full text Full text - PDF (9 MB)

2 Modes of climate mobility under sea-level rise. Seeteram, Nadia A; Ash, Kevin; Sanders, Brett F; Schubert, Jochen E; Mach, Katharine J. *Environmental Research Letters; Bristol* Vol. 18, Iss. 11, (Nov 2023): 114015. ...to sea-level rise (SLR) and flooding will make some...



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