
Newsletter del CIRSEC, Centro Interdipartimentale per lo
Studio degli Effetti del Cambiamento Climatico dell'Università di Pisa

E' attivo il sito: <http://cirsec.unipi.it/>

Per l'area riservata, che contiene, ad esempio, i verbali delle riunioni del Consiglio e altri documenti a circolazione limitata, le chiavi di accesso sono fornite scrivendo a: cirsec@unipi.it

“Il contrasto ai cambiamenti climatici rappresenta la sfida cruciale del presente e del futuro.”
Sergio MATTARELLA, Presidente della Repubblica, Viterbo, 26.2.2019.

- Museo di Storia Naturale dell'Università di Pisa: mostra fotografica “*Una Montagna di Vita – Ecosistemi d'alta quota e cambiamenti climatici*”. La mostra sarà visitabile fino al 30 aprile 2019. La raccolta fotografica nasce nell'ambito di NextData, un progetto coordinato dal Consiglio Nazionale delle Ricerche e dedicato allo studio dell'ambiente montano in Italia. <http://www.msn.unipi.it>
- March 20, 2019. European Parliament, Room 2Q2, Brussels. Climate change and forest fires in Europe - <https://www.eventbrite.com/e/climate-change-and-forest-fires-in-europe-tickets-55506488401>
- EMBL Conference, Heidelberg, Germany, 3-4 Jun 2019 – “*Biological Solutions for the Global CO₂ Challenge*”. The topics will cover the entire chain of innovation, from the laboratory to the field implementation. Approaches that make optimal use of the evolutionarily optimized biological systems, like algae and plants, as well as novel synthetic biology solutions for CO₂ fixation and conversion to value added chemicals will be discussed. The role of fundamental molecular biology in catalyzing innovation will be one of the main focus areas for discussion.
https://www.embl.de/training/events/2019/COS19-01/index.html?utm_source=natureclimatechangealert&utm_medium=referral&utm_campaign=COS19&sap-outbound-id=C25444FC21EC1AAA3B5FD0007C5382C8809AB398
- 2nd World Congress on Global Warming & Climate Change. December 06-07, 2019 Kuala Lumpur, Malaysia - <https://www.scientificfederation.com/global-warming-2019/index.php>
- https://www.nytimes.com/2019/02/20/climate/climate-national-security-threat.html?emc=edit_clim_20190220&nl=climate-fwd&nid=8877609420190220&te=1 Coral Davenport reports that the White House is planning to establish a commission that will advise President Trump on “*how a changing climate could affect the security of the United States.*” Is that a change of heart from a president who has denied the science of climate change?
- Wallace Broecker, 87, Dies; Sounded Early Warning on Climate Change. His research into the oceans, the atmosphere and the planet's ice gave him a deep understanding of global warming - a term he helped establish in the popular imagination. New York Times, Feb. 19, 2019 - https://www.nytimes.com/2019/02/19/obituaries/wallace-broecker-dead.html?emc=edit_clim_20190220&nl=climate-fwd&nid=8877609420190220&te=1
- Benjamin D. Santer et al. Celebrating the anniversary of three key events in climate change science. Nature Climate Change 9, 180-182 (2019) - Climate science celebrates three 40th anniversaries in 2019: the release of the Charney report, the publication of a key paper on anthropogenic signal detection, and the start of satellite temperature measurements. This confluence of scientific understanding and data led to the identification of human fingerprints in atmospheric temperature. https://www.nature.com/articles/s41558-019-0424-x?WT.ec_id=NCLIMATE-201903&sap-outbound-id=AE0186FD0293800077BF45B2D8B481DAE5A47AF3

- Ken E. Giller & Frank Ewert. Australian wheat beats the heat. *Nature Climate Change*, 9, 189-190 (2019) - Collaborative research utilizing field trials and whole farm crop simulation enables adaptation of Australian wheat crop practices. Novel varieties sown earlier enable a longer growing season, which facilitates wheat yield increases despite an increasingly challenging climate. https://www.nature.com/articles/s41558-019-0427-7?WT.ec_id=NCLIMATE-201903&sap-outbound-id=AE0186FD0293800077BF45B2D8B481DAE5A47AF3
- Kendra Pierre-Louis. As Climate Warms, Plants Will Absorb Less CO₂, Study Finds. *New York Times*, Jan. 23, 2019. https://www.nytimes.com/2019/01/23/climate/plants-co2-climate-change.html?action=click&contentCollection=science&contentPlacement=1&emc=edit_clim_20190130&module=stream_unit&nl=climate-fwd&nid=887760941%3Dclimate-fwd&pgtype=collection®ion=stream&rref=collection%2Ftimestopic%2FCarbon+Dioxide&te=1&version=latest
- Dominic Matte et al. Robustness and Scalability of Regional Climate Projections Over Europe. *Front. Environ. Sci.*, 29 January 2019 | <https://doi.org/10.3389/fenvs.2018.00163>
<http://www.arpat.toscana.it/notizie/notizie-brevi/2019/limpatto-del-cambiamento-del-clima-delluso-del-suolo-e-delluso-dellacqua-sulle-risorse-idriche-europee> - In questo studio JRC, è stato analizzato il periodo di riscaldamento di 2 °C di cinque proiezioni sui cambiamenti climatici.
- H. M. Tuihedur Rahman, Gordon M. Hickey. What Does Autonomous Adaptation to Climate Change Have to Teach Public Policy and Planning About Avoiding the Risks of Maladaptation in Bangladesh? *Front. Environ. Sci.*, 22 January 2019
https://www.frontiersin.org/articles/10.3389/fenvs.2019.00002/full?utm_source=FAAE&utm_medium=EMLF&utm_campaign=MRK_903542_25_Enviro_20190207_arts_A
- Kai Schultz and Bhadra Sharma. Rising Temperatures Could Melt Most Himalayan Glaciers by 2100. Rising temperatures in the Himalayas, home to most of the world's tallest mountains, will melt at least one-third of the region's glaciers by the end of the century even if the world's most ambitious climate change targets are met. *New York Times* Feb. 4, 2019 - https://www.nytimes.com/2019/02/04/world/asia/himalayas-glaciers-warming.html?emc=edit_clim_20190206&nl=climate-fwd&nid=8877609420190206&te=1
- Jürgen Marxsen Ed. *Climate Change and Microbial Ecology: Current Research and Future Trends* | Book - ISBN: 978-1-910190-31-9 <https://www.caister.com/climate> - In this book, a broad range of renowned scientists reviews the most important hot-topics in the area of climate change and microbial ecology, thus providing a timely and authoritative overview of this increasingly important area. Individual chapters cover the various ecosystems on Earth as well as the different groups of microorganisms with respect to different cycles of matter. In addition, special chapters cover applied aspects, such as land-use and geoengineering.

Comunicazione di servizio

Pubblicazioni dei docenti afferenti a CIRSEC:

è opportuno che gli autori dei contributi scientifici relativi ai temi di riferimento del Centro riportino, oltre all'affiliazione al proprio Dipartimento, anche quello del Centro stesso, allo scopo di favorirne la conoscenza nella comunità scientifica.

La formula consigliata è:

CIRSEC, Center for Climatic Change Impact, University of Pisa, Via del Borghetto 80, Pisa 56124, Italy

Giacomo Lorenzini

Direttore CIRSEC-Unipi

cirsec@unipi.it

Questo testo è scaricabile da: <http://cirsec.unipi.it/newsletter/>