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

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### Save the date

#### GIORNATA DI STUDIO

### LE ATTIVITÀ' DELL'UNIVERSITÀ' DI PISA SUL TEMA DEGLI EFFETTI DEL CAMBIAMENTO CLIMATICO

6 dicembre 2019, ore 9-17

Pisa, Auditorium Centro Congressi Le Benedettine  
Piazza San Paolo a Ripa d'Arno, 16

Scadenza per l'invio dei testi (in inglese): 15 settembre 2019

Una salita sul Ghiacciaio dell'Adamello per firmare una dichiarazione, la “*Carta dell'Adamello*”, che impegna le Università, il Club Alpino Italiano, il Comitato Glaciologico Italiano e le altre istituzioni aderenti all'iniziativa a combattere il riscaldamento globale formando studenti, promuovendo ricerche finalizzate allo sviluppo sostenibile del nostro pianeta e sensibilizzando i cittadini - <https://www.unibs.it/eventi/cfc-climbing-climate>

M. Siegert et al. The Antarctic Peninsula Under a 1.5 °C Global Warming Scenario. *Front. Environ. Sci.*, 28 June 2019 <https://doi.org/10.3389/fenvs.2019.00102> ...Warming of the Antarctic Peninsula in the latter half of the twentieth century was greater than any other terrestrial environment in the Southern Hemisphere, and clear cryospheric and biological consequences have been observed.

The planet has room for about 2.5 billion acres of forest, and all those trees could suck up an additional 200 gigatons of carbon. While that wouldn't solve climate change, it would be a huge help. The Right Tree in the Right Place: A healthy community forest begins with careful planning. With a little research and a simple layout, you can produce a landscape that will cool your home in summer and tame the winter winds. Your well-planned yard will contain trees that grow well in the soil and moisture of your neighborhood. Your trees will be properly placed to avoid collisions with power lines and buildings, and the aesthetics will increase your property value. *Best Tree Finder: Tree Wizard*

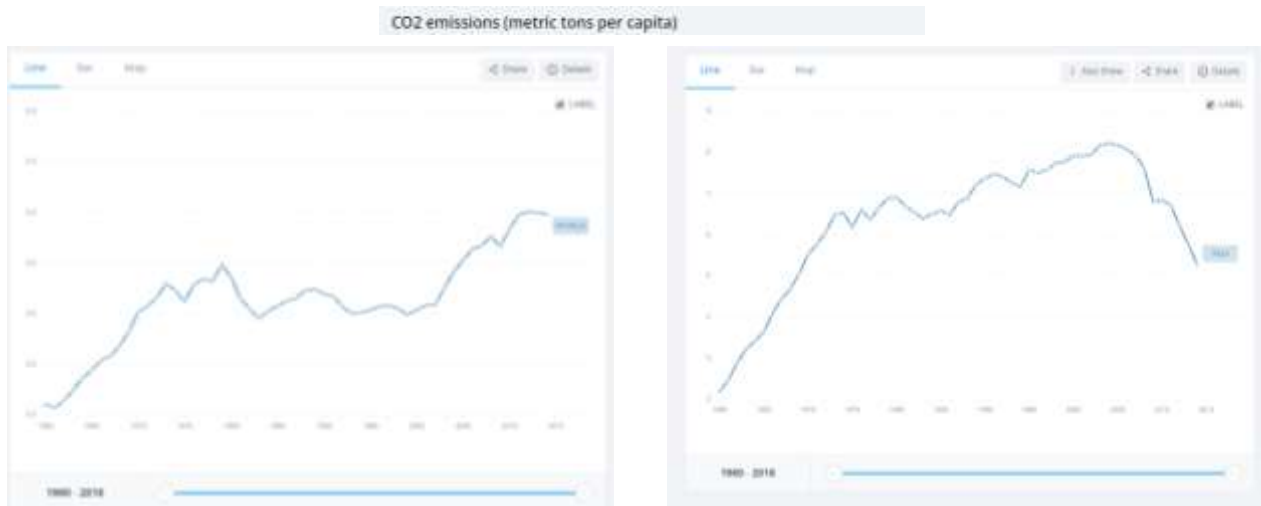
<https://www.arborday.org/shopping/trees/treewizard/GetZip.cfm>

Climate change: How important is the rainforest in limiting global warming? Billions of leaves in the Amazon rainforest take in carbon dioxide. So does deforestation cause a rise in global temperatures? <https://www.bbc.com/news/av/science-environment-48917148/climate-change-how-important-is-the-rainforest-in-limiting-global-warming>

<https://www.ipcc.ch/sr15/chapter/summary-for-policy-makers/> - This Report responds to the invitation for IPCC ‘... to provide a Special Report in 2018 on the impacts of global warming

of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways' contained in the Decision of the 21st Conference of Parties of the United Nations Framework Convention on Climate Change to adopt the Paris Agreement. Human activities are estimated to have caused approximately 1.0 °C of global warming above pre-industrial levels, with a likely range of 0.8 °C to 1.2 °C. Global warming is likely to reach 1.5 °C between 2030 and 2052 if it continues to increase at the current rate (*high confidence*). Warming from anthropogenic emissions from the pre-industrial period to the present will persist for centuries to millennia and will continue to cause further long-term changes in the climate system, such as sea level rise, with associated impacts (*high confidence*), but these emissions alone are unlikely to cause global warming of 1.5 °C (*medium confidence*). Climate-related risks for natural and human systems are higher for global warming of 1.5 °C than at present, but lower than at 2 °C (*high confidence*). These risks depend on the magnitude and rate of warming, geographic location, levels of development and vulnerability, and on the choices and implementation of adaptation and mitigation options (*high confidence*).

<https://data.worldbank.org/indicator/EN.ATM.CO2E.PC?end=2018&start=1960>



### 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:***

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*L'elenco dei lavori già pubblicati è riportato a: <https://cirsec.unipi.it/publicazioni/>*

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