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Research Tips and Tools & Paper Writing Resources

Stanford Researchers

The following are links to number of Stanford-affiliated professors whose interests intersect with the topics of this course. Each of their pages has a link to their publications or Curriculum Vitae (CV) which will list their research publications. Or you can enter their names in the search tools on the next page.

Anthropology

Prof. William H. Durham - research focuses on biological anthropology, ecological and evolutionary anthropology, cultural evolution, conservation and community development, resource management, environmental issues; Central and South America. A MacArthur Prize recipient, Dr. Durham is Bing Professor in Human Biology and the Stanford Director of the Center on Ecotourism and Sustainable Development (CESD). His main interests are ecology and evolution, the interactions of genetic and cultural change in human populations, and the challenges to conservation and community development in the Third World.

Biology

Prof. Gretchen Daily - The ecological (and evolutionary) dynamics of biodiversity change in natural and human-modified ecosystems. The quantification and mapping of ecosystem services, in biophysical, economic, and cultural terms. Feasible pathways for and novel approaches to ecological restoration, from biophysical, economic, and cultural perspectives. Field research based mostly in the Neotropics and Hawai‘i; ecosystem services projects in a range of sites internationally

Prof. Rodolfo Dirzo - My current work on conservation biology emphasizes the need of complementing the traditional interests of the conservation of taxa with the increasingly needed conservation of ecological processes. Most of my tropical work is carried out in Mexico and Central Amazonia.

Prof. Peter Vitousek - Nutrient cycling in tropical and temperate forests. Regulation of cycling of nitrogen, phosphorus, and several other nutrients by using chemical analysis of soil, water, and gas samples from field sites. Biological invasion by exotic species, and sources of elements during long-term soil and ecosystem development in the Hawaiian Islands.

Earth Sciences

Prof. Eric Lambin - My research is in the area of human-environment interactions in land systems. I develop integrated approaches to study land use change by linking remote sensing, GIS and socio-economic data. I aim at better monitoring and modeling causes and impacts of changes in tropical forests, dryland degradation, and land use conflicts around natural reserves. I currently focus on land use transitions – i.e., the shift from deforestation (or land degradation) to reforestation (or land sparing for nature) – and geographic displacement of land use change.
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Prof. Mauricio Fontes - Visiting professor from Universidade Federal de Vicosa, Brazil. Check out his recent article in conjunction with the Economics and Geography department: *Land suitability, water balance and agricultural technology as a Geographic-Technological Index to support regional planning and economic studies*

**Search Tips and Tools**

This page concerns finding academic articles using search engines and the catalogs offered through Stanford. But don't forget that many of the web resources also had links to published articles related to their work. One way to keep finding articles is to use the bibliography of a paper of interest to find another one and repeat.

**Public search engines**

The Andes-Amazon Bibliographic Search Engine - a virtual library of documents related to the world's most diverse bioregion. At present the search engine provides access to over 2,000 bibliographic references of books, articles, theses, reports and other documents. This search engine doesn't usually provide you access to the full article, but you can use the bibliographic information to find it elsewhere.

[Google scholar] - does a solid job of finding public access articles. Try the advanced search mode for more refined searches.

**Stanford library catalogs**

Stanford has an incredible (and somewhat overwhelming) list of catalogs that we as students have access to. You can get to them through the stanford library page > catalogs & search tools > databases & articles. You can try any of the databases that seem plausible. Stanford suggests starting with these. I'd recommend ISI Web of Knowledge which covers high-impact journals in science and social science.

I'd also recommend looking over a this short list of [advanced search syntax].

**Keeping track of your articles**

Another great thing about Web of Knowledge is its direct link to [EndNote Web], which is a very handy way to keep track of all those articles you've painstakingly found. Once you've found an article you think might be helpful, you can click the "save to EndNote web" button and you'll always be able to get back to it. It will also be able format all your citations for you.

When you're downloading PDFs of the articles it's also a good practice to rename them something meaningful (instead of "sd-9809kjm") and keep them organized in a folder.
**Paper Writing Resources**

Once Fall quarter starts up, you can schedule a writing tutor appointment at the [Hume Writing Center](#).

For ideas about organization, you can always check out the final papers from 2007.

Don't forget about [EndNote Web](#), which can format your bibliography for you.