

What's been going on this year?

Room Changes:

Construction was completed last winter and the newly renovated CGCEO held its Open house in March 2007.

Roster Changes:

Faculty

Jennifer Olson has an appointment with Telecommunication, Information Sciences and Media

David Campbell will spend more time in the CLIP/Center starting 2008

John Dymond, Peilei Fan, Dong-Yun Kim, Daniel Kramer, Gerald Urquhart, & Sharon Zhong joined the Center as adjuncts

Staff

Kathleen Mills, formerly of ESPP, has taken on the sponsored project and financial administration for the Center following *Dresden Kalin's* move to CGA.

Jean Lyle Lepard became the permanent office manager

Rita Martin is to join us to assist research projects and Center's administrative activities.

Jenni van Ravensway joined the Center this summer as a researcher

Shapoor Rowshan has left the Center and to the College of Education

Shuqing Zhao has taken a research position at USGS/EDC

Students

The Center welcomed *Nathan Brouwer* (Biodiversity Lab), *Tim Carothers* (Remote sensing), *Mark DeVisser* (GIS/Health Lab), Undergrad *Lindsay Campbell* *Siam Lawawirowong* (Remote Sensing)

See you soon: PhD Candidate *Ling Yao* will take Spring Semester 2008 off.

Visiting Scholars

Arriving this year were: *Changbin Li, Chang Liu, Chunfa Wu, Feng Zhang,* and *Yuan Zhang.*

Departures: Graduates *Meghan Burns, Jianjun Ge, Yasuyo Makido, Naren Kodandapani and Nate Torbick*; Scholars *Zhangquan Shen, Yankun Sun, Zhengmin Wen*

Facilities:

1) The labs have been purchasing Apple Mac computers and setting them up to dual boot Mac OS X and Windows. This gives added security and stability for many

applications if run on Mac OSX. In the past year the Center has acquired 12 Mac computers which can be found in the various lab workspaces.

2) The addition of two servers has increased our network disk space from approximately 8 TB to 12 TB. One of the servers is running Windows 2003 and serves Virtual Machines designed for specific applications such as a web development server and a Windows domain backup server. The other server is Linux-based and contains 3.2 TB of disk storage which is available across platforms for Center-related project data storage

Financials:

- **Center's budget was approved for three years (07/08, 08/09, 09/10)**
 - **\$135k** (MAES: \$45k, VPRGS: \$45k, SSC: \$45k)
 - Overhead/Release Dollars Estimates (needed): **\$20k**
- Total Overhead/IDC/F&A: **\$313,419.25** for calendar year to date on projects
- CGCEO's portion = **\$9,493.22**
- Released dollars = **\$80,413**

New Research:

We are pleased to announce that several projects involving Center faculty were funded in the past year.

- "Dynamic Interactions among People, Livestock and Savanna Ecosystems under Climate Change" (NSF), led by **David Campbell, Jennifer Olson, Jiaguo Qi, Jeff Andresen**, Rob Glew, and **Nathan Moore**
- "A Dynamic Ecological simulation Model of Tsetse transmitted Trypanosomosis in Kenya" (NIH). Project led by **Joseph Messina, Jennifer Olson, Sue Grady, Nathan Moore**, Ned Walker, and John Kaneene.
- "Reducing Parasite Transmission across a Varied Landscape" (NSF). Ned Walker, PI, **Joseph Messina** co-PI.
- "Environmental Problems of Central Asia and their Economic, Social and Security Impacts" (NATO). **Jiaguo Qi** received funding to host this meeting in Tashkent, Uzbekistan, with on site administrative assistance from *Dresden Kalin*.

Annual Funding renewed:

- "Michigan Health Care and the Certificate of Need Research Program" (MDCH) Reviewing Hospital Standards. Joseph Messina, Richard Groop, Ashton Shortridge

Other Proposals Submitted this year:

- **NASA LCLUC**: "Identifying, Modeling and Assessing Drivers and Consequences of Land Use/Land Cover Change in China" **Jiaguo Qi, Runsheng Yin, Joseph Messina, Nathan Moore**
- **NASA LCLUC**: "Integrated Modeling of the Land-Climate System in the Russian Boreal Forest: Stochastic Landscapes and Climate Change" **Robert Walker, Jiaguo Qi, Nathan Moore**
- **NASA Carbon**: "Developing DAGAN: Decision Support System for Agricultural Greenhouse Gas Mitigation Analyses" **Jiaguo Qi**
- **National Geographic Society Educational Foundation**: "Determining the Geographical Origins of Birds on the Biologically Rich Osa Peninsula" **Catherine Lindell**

- **Lindbergh Foundation:** "Characterizing the Altitudinal Migration of Costa Rican Birds with Stable Isotope Analysis" *Catherine Lindell*, Peggy Ostrum
- **USDA Forest Service:** "Identification, Mapping and Monitoring Non-point Source Pollutant Transportation to Lake Tahoe Using Remote Sensing" *Jiaguo Qi, Sharon Zhong*, R Jan Stevenson

Publications:

- Incomplete counts (total > **35**) from our *core faculty* only. All peer reviewed journal publications (congratulations to all!)

Workshops and Meetings:

- The Center organized a NATO Advanced Research Workshop: Environmental Problems of Central Asia and Their Economic, Social and Security Impacts, 01 - 05 October, 2007, Tashkent, Uzbekistan. (*Jiaguo Qi*, Kyle Everad, and Dresden Kalin). A webpage was developed by Cameron et al: http://globalchange.msu.edu/nato/nato2007_index.html
- *Jiaguo Qi, Joe Messina*, Antoinette WinklerPrins, Dresden Kalin led a NEESPI and NASA's LCLUC Drylands Science Team meeting this September in Urumqi, China. A web site was also developed by Cameron et al. at http://globalchange.msu.edu/neespi_lcluc_2007.html

Activities:

- **Seminar Series:** During Spring Semester 2007, the Center for Global Change and Earth Observations teamed up with other research groups in the Manly Miles Building to host a series of Mid-week seminars. Many of our faculty and research members collaborate on projects and publications, and we enjoy a great sense of collegiality. These seminars are a chance to share our work with each other and promote further collaboration and creativity.
- **Grandparents University.** The Center for Global Change joined with departments and colleges across campus last June to host a classroom session for participants aged 8 to 12 and their grandparents. *Jiaguo Qi, Jean Lyle Leopard* and *Lindsay Campbell* hosted Global Games 101, which was developed by *Jean Leopard* and *Meghan Burns* with input from the core faculty. **GPU 2008 is a go**, so let Jean know if you're interested in participating!

Coming Up:

Research proposals (NASA, NSF, USDA)

Happy Holidays!