



Program leader

Zhibin Zhang (China)

Program committee members include

John Buckeridge (Australia), Nils Stenseth (Norway), Yury Dgebuadze (Russia), Alain Roques (France), Hari Sharma (India), David Wake (USA) and many others

Goals

- Promote understanding of BCGC and improve management of the earth
- Promote international collaboration
- Promote influence and leadership of IUBS and ISZS through the BCGC program



Background

Global change is now one of the most discussed topics in the world. Understanding the impact of global change is extremely important for the sustainable development of human society.

Therefore, in 2008, the International Society of Zoological Sciences (ISZS) initiated an international research program, Biological Consequences of Global Change (BCGC). It was first supported by the Chinese Academy of Sciences (CAS). In 2009, BCGC was adopted by the International Union of Biological Sciences (IUBS) as a new international research program. In 2012, the program was evaluated highly at IUBS and was considered as the core of IUBS scientific programs. Currently, there are over 20 scientists from Australia, Chile, China, France, India, Norway, Russia, Israel, Germany, South Africa and the United States involved.



The focus of the BCGC program is to organize a diverse group of international experts, with expertise in many scientific disciplines, and develop an understanding of the consequences of global change and human activity on evolutionary mechanisms, biological structures, endangered species and biological disasters.

The BCGC program provides a platform for scientists around the world to collaborate on topics, such as the impact of global change on biodiversity, ecological infectious diseases, agricultural pests, invasive species and many other topics of interest. The program is expanding its research networks to include more scientists and scientific disciplines from various places around the globe.



Action plan for 2013–2015

- Program network expansion
 - Attract more scientists and partners
 - Promote program influence and increase research capabilities
- Website and database construction
 - Build an open access database
 - Promote data sharing among scientists
- International symposia or workshops
 - Organize 2 international symposia or workshops
 - Discuss range shifts of species under global warming
 - Examine biodiversity change due to human disturbance
- Publications
 - Publish 2 special issues of BCGC in *Integrative Zoology*
- International training courses
 - Organize 2 international training classes under the theme of BCGC



Photos by ICLR, R. Gavil, G. Paz, G. Rilov and S. Shafir

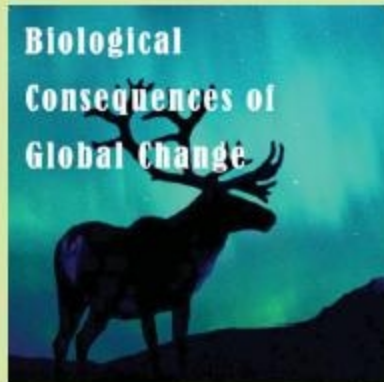
Questions to address

- Impact of global change on biological disasters like disease and pest outbreaks
- Impact of global change and its relation to alien species invasion
- Impact of global change on abundance and range shifts of endangered species
- Impact of global change on community structure and biodiversity of various ecosystems
- Nonlinearity and interactions of global change in affecting biological populations

Get involved

To find out more information about how to get your research team involved

- Visit www.globalzoology.org
- Or email iszsz2@ioz.ac.cn



An IUBS/ISZS International Research Program

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