

# GLOBE Program Office: Science & Education and Climate Research Activities



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GLOBE Program Office

Europe / Eurasia Regional Meeting  
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# THE GLOBE PROGRAM

Connecting the next generation of scientists

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## THE GLOBE SCIENCE NETWORK

► Regions



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## A WARMING WORLD



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## LATEST STARS



## ANNUAL MEETING



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# Upcoming Work to Support GLOBE Science & Education

- Development of web pages for individual teachers
- Architectural infrastructure to support scientist-teacher-student interactions
- Robust Network of Scientists – International
- Frequent world-wide events for student participation
- *Share your needs with the GLOBE Program Office via your [www.globe.gov](http://www.globe.gov) Redesign representative*



# Student Climate Research Campaign

*Engaging Youth to Understand Climate*

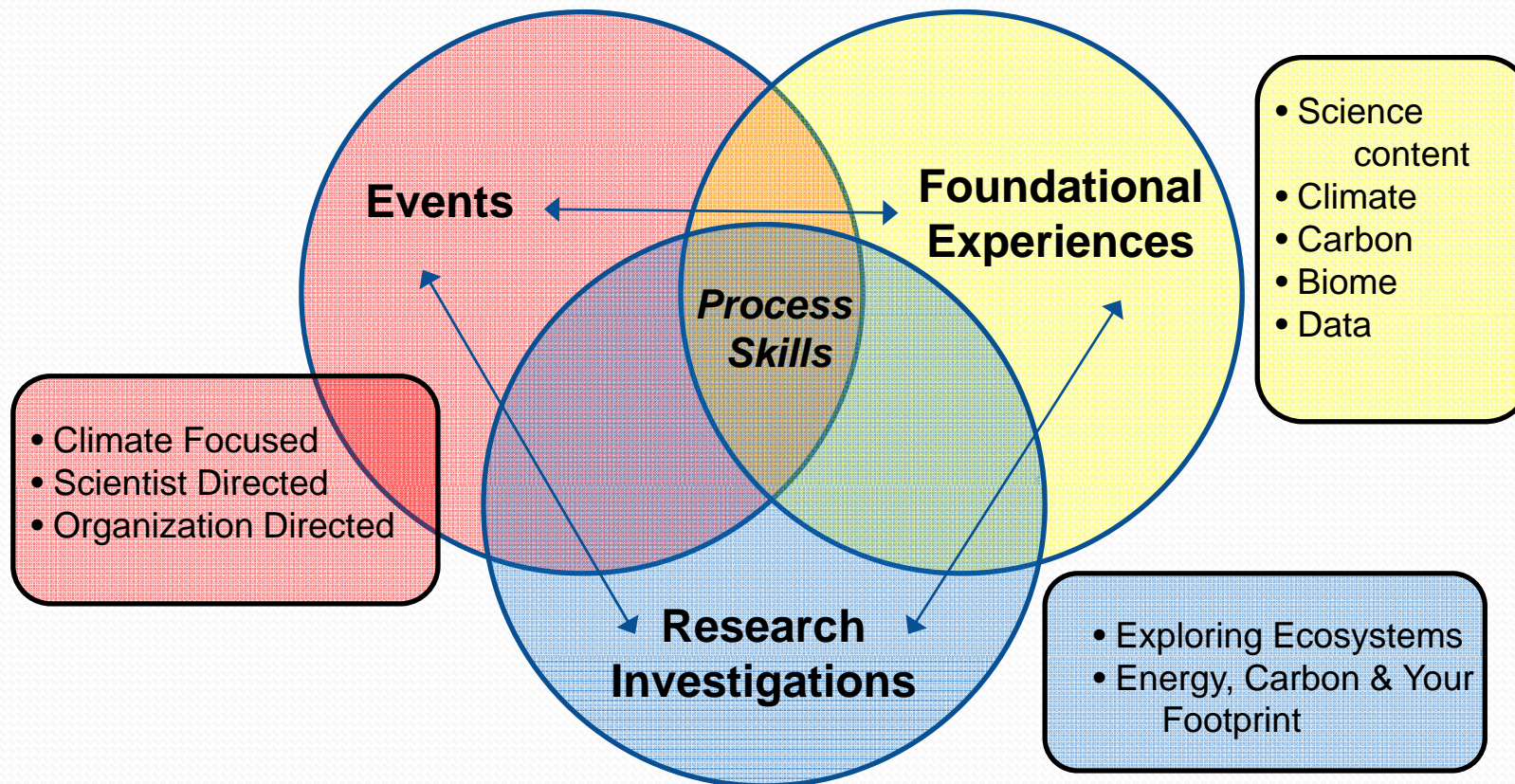
- Vision
  - **involve** students of all ages in climate studies,
  - **empower** students, teachers and community members to take action on climate-related environmental issues and
  - **inspire** students to explore career options in science
- Goals
  1. **Increase students' understanding of climate**, specifically the difference between weather and climate.
  2. Increase students' understanding of and ability to **conduct scientific research focused on climate**.
  3. Improve the sustainability of the GLOBE community through **increasing collaborations** among students, teachers, and scientists focused on understanding the interactions in the Earth System





# Student Climate Research Campaign

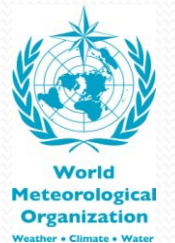
*Engaging Youth to Understand Climate*



# Student Climate Research Campaign

*Engaging Youth to Understand Climate*

- Campaign: September 2011- June 2013
  - **Events:** Climate-focused
  - **Foundations:** Learning activities on understanding climate
  - **Research:** Student-led climate research
- Planning Phase: 2009-2010
  - Framework: Climate Literacy Principles
  - Create International Scientist Network
  - Professional Development: identify, locate, create , train
  - Develop partnerships with International Science Organizations
  - Create technical infrastructure



# Share Your Work

- **Events:**

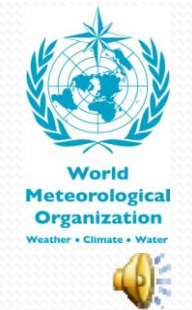
- Climate-focused

- **Foundations:** Learning activities & PD

1. Temperature
2. Precipitation
3. Non-atmospheric influences
4. Radiation
5. Feedback Processes
6. Time Scales

- **Research:** Student-led climate research

1. Exploring Ecosystems (& Biodiversity)
2. Carbon, Energy & Your Footprint
- (3. Air Pollution, Human Health & Climate)
- (4. Climate and Large-Scale Extreme Weather)





# An Invitation

*What are your needs related to climate understanding and student climate research?*

- Teacher Professional Development
- Partner support
- GLOBE Learning Communities
  - GLOBE Schools Network (K-16) 
  - GLOBE Parent Council 
  - GLOBE Alumni 
  - *GLOBE International Scientist Network*
- Other?

Thank You!  
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