GLOBE Climate Research and Related Events

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GLOBE Program Office

North America Regional Meeting
Philadelphia, PA
17 March 2010

Student Climate Research Campaign

Engaging Youth to Understand Climate

- Planning Phase: 2009-2010
  - Create *International Scientist Network*
  - Annual Meeting Professional Development on climate
  - Develop partnerships with International Science Organizations
  - Creating technical infrastructure
- Campaign: September 2011- June 2013
  - Events: Data Blitz's
  - Student-led climate research
  - International student-scientist collaboration

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

UNITED STATES DEPARTMENT OF STATE

World Meteorological Organization
Weather • Climate • Water

World Water Day – 22 March

- U.N sponsored day dedicated to global education about sustaining healthy ecosystems and human health
- Collect water pH
- Create “snapshots” of water quality data
- Results featured at Live Earth

Be Part of Something Big: World Water Day 2010

Photos on this page from the UN booklet: Water for Life Decade

GLOBE encourages everyone to participate in **World Water Day**, the annual U.N sponsored day dedicated to global education about sustaining healthy ecosystems and human health. World Water Day addresses the increasing water quality challenges of our planet. It will occur this year on **22 March 2010**.

The GLOBE World Water Day event is focused on collecting "snapshots" of water quality data on World Water Day, or during the week of the 22-26 of March, focusing primarily on pH. A secondary goal of this learning activity is to encourage teachers and students to use this data as a foundation for investigations and student research. Data collected will be showcased at Live Earth, a global event that will occur on 18 April 2010 to raise awareness about the critical state of the world's water. An outgrowth of the Live Earth Concerts for a Climate in Crisis on 07.07.07 that used the medium of pop music to raise global awareness about climate change, Live Earth 2010 presents a unique opportunity for GLOBE students.

On 18 April, Live Earth will host 6km runs for water in communities across the world, 23 of which will host educational display areas that will received extensive media coverage to be broadcast in the days and weeks following the race. GLOBE has been invited to host an educational display at each of the 23 major cities. We would like as many GLOBE students as possible take part in WWD as a lead-up to Live Earth.

Demonstrating our shared sense of purpose in ensuring that students become aware of the looming water crisis on a global scale is an example of the GLOBE community at its best. We strongly encourage you to become involved

Participation in the GLOBE World Water Day event will empower GLOBE students to transform their newly acquired awareness of the growing water crisis into positive, direct actions that will benefit both people and water worldwide. Data collection and inquiry are central to this event; but beyond data collection, we also encourage you to find other ways to celebrate World Water Day, including:

- Exploration of local freshwater resources and watersheds;
- Discussion of the challenges to water quality and availability on local and global scales;
- Participation in stream clean-ups, watershed restorations or public outreach; and
- Collaboration with other groups like our partners at Live Earth to multiply the efforts and impacts.

Live Earth – 18 April

GLOBE is a Live Earth Education Partner

GLOBE Schools Participating in:

- Cape Town, South Africa
- Buenos Aries, Argentina
- Stockholm, Sweden
- U.S.
  - Atlanta
  - Washington D.C.
  - Houston

www.liveearth.org

The GLOBE Program's Live Earth Event

The GLOBE Program is now a primary educational partner of Live Earth engaged in helping to raise the profile of water quality on a global scale. Live Earth events, to be held worldwide on 18 April 2010, as well as corresponding school-based events, are a great opportunity for the GLOBE Community to focus attention on water quality and the role of science and education in better understanding our water resources. In the past, over 3 billion people have been part of Live Earth celebrations. This year join GLOBE, Live Earth, and the world in what is likely to be an unprecedented global event.

The GLOBE Program and Live Earth collaboration focuses on two primary efforts.

- We invite GLOBE teachers to add awareness building activities, water-centered inquiries, and hydrology data collection, focused on the pH protocol, to their plans in the weeks between World Water Day (22 March) and Live Earth (18 April). Links to GLOBE's *Water Walk* and *Got Water*? activities, as well as relevant hydrology protocols, are linked below.
- We encourage our community to participate in LIVE EARTH events in their area when possible, or to consider creating a " Friends of Live Earth" event in their community. These events focus on 6km walk/run to help raise awareness of water quality and availability issues worldwide. The Live Earth Education Partners webpage has links to project partners and resources that make it easy to make a difference

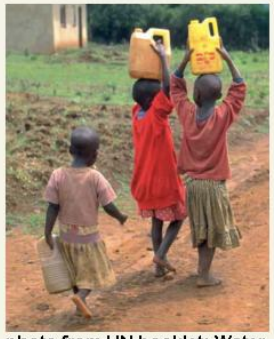

photo from UN booklet: Water for Life Decade

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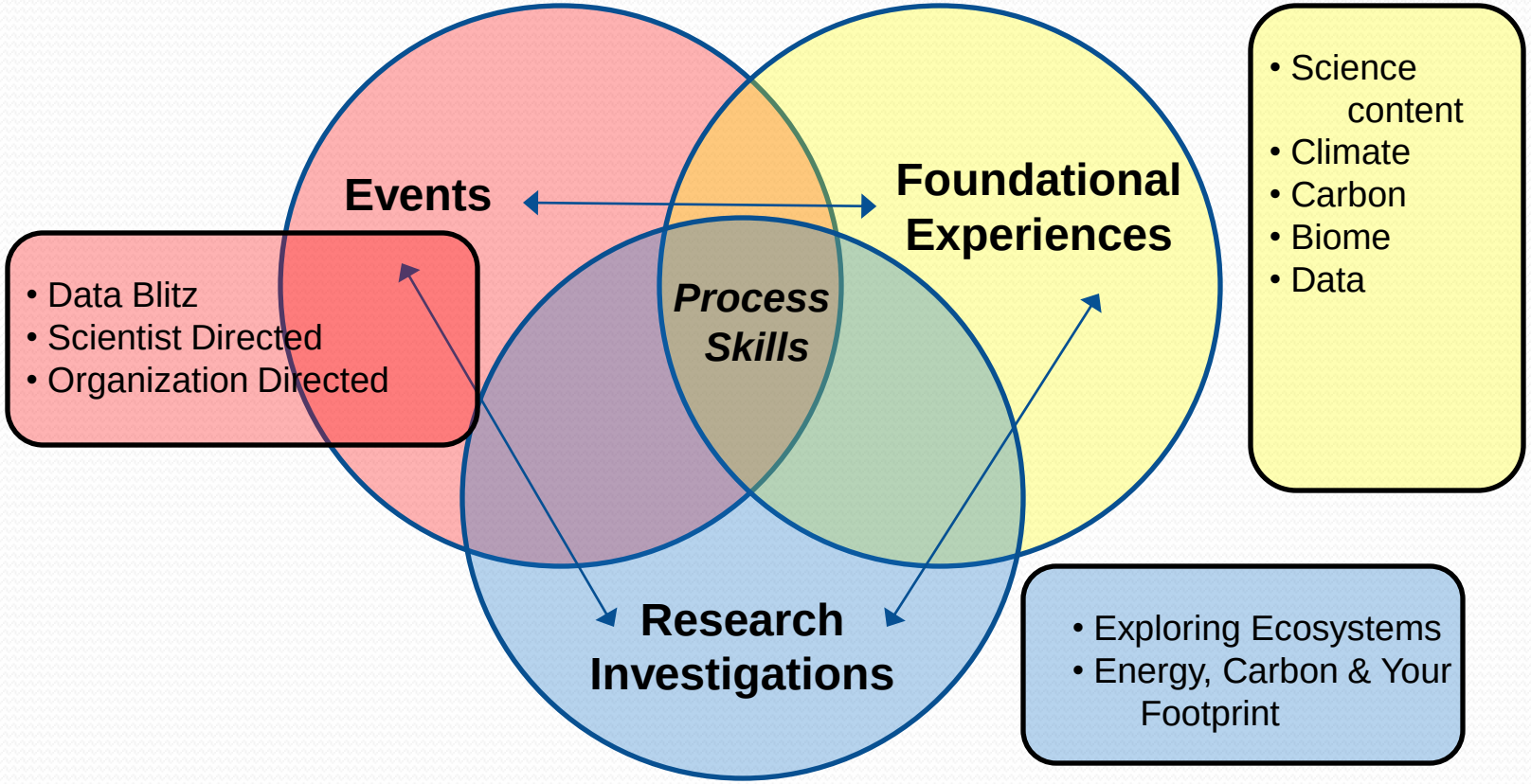

An Invitation

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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