

# OMSI EARTH FROM SPACE

In June 2010, The Oregon Museum of Science and Industry launched a new program called ***Earth from Space: Exploring Satellite Data to Better Understand Global Systems***. OMSI will work collaboratively with NASA staff, universities, and rural partners to create programming related to the Earth Science Division of NASA's Science Mission Directorate with particular emphasis on Earth Observing Systems (EOS). The project will focus on personally relevant, NASA-identified issues—such as climate change, weather and climate, and monitoring environmental hazards—to improve understanding of the Earth as an integrated system.



*Earth from Space* will consist of:

- ◆ Public programs to showcase how NASA datasets help us use STEM to understand Earth systems
  - Programming for OMSI's *Science on a Sphere* (SOS)
  - Rural outreach with *Magic Planet* to extend the reach of SOS programs
- ◆ Hands-on demonstrations and exhibit updates to interpret how satellites are used to collect data
  - Updates to OMSI's permanent version of the NASA-funded exhibit *A View from Space* to further connect its content to SOS
  - Tabletop "micro" versions of *A View from Space* that will provide similar context to the *Magic Planet*-based programs and tour with the units to rural libraries and schools
- ◆ Internships with students from Oregon universities converting "data to demos"
- ◆ Linking to NASA Resources (OMSI/rural library)
  - Promote awareness of MY NASA DATA, a NASA citizen science program
  - NASA professional development for teachers through the Aerospace Education Services Project (AESP)

For more information, please contact Nate Lesiuk at 503-239-7817 or [nlesiuk@omsi.edu](mailto:nlesiuk@omsi.edu)

## OPPORTUNITIES FOR YOUR STUDENTS

OMSI is seeking college interns to develop and present compelling demonstrations using spherical display systems (*Science on a Sphere*, *Magic Planet*) that make NASA datasets and research processes accessible to the public.

The demonstrations should frame NASA data to tell interesting stories in a visually engaging setting that demonstrate how NASA satellite data is collected.

At OMSI's main museum location, this programming will be displayed on a *Science on a Sphere* system, while *Magic Planet* spherical display systems will be used to provide programs at rural libraries, schools, and other outreach venues.

Interns will work together in groups of two or three.

Internships will begin March 1, 2011 and will be offered quarterly through May 31, 2013



### **KNOWLEDGE/SKILLS:**

- Excellent written and oral communication skills.
- Extremely organized, detail oriented, and a team player.
- Ability to stay focused and manage time effectively.
- Excellent work ethic and ability to work independently.
- Experience and proficiency in Microsoft Office.
- Knowledge of Adobe Creative Suite and HTML a plus.



### **EDUCATION AND WORK EXPERIENCE:**

The Earth from Space Intern must be a student at an Oregon university and should be working toward or have completed a Bachelor's degree, with coursework or experience in the sciences, education, marketing, communications or related fields.

### **INTERN BENEFITS:**

- Admission for the intern to the museum, OMNIMAX and Planetarium shows, and submarine tours.
- An OMSI Family Membership upon completion of project.
- The opportunity to meet many new people and learn more about NASA.
- Stipends available to eligible participants.

### **CONTACT:**

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