

## **Earth Science Week 2015**

*Theme: Visualizing Earth Systems*

**Welcome Speeches.....**

**Workshop Rules:**

### **Part 1: Introduction**

- About Geo-Environmental Resource Association (GERAS)
- About American Geosciences Institute (AGI)
- About Earth Science Week
- Introduce theme “Visualizing Earth Systems”
- Introduce Earth Systems

Atmosphere

Geosphere

Biosphere

Hydrosphere

Cryosphere

### **Part 2: Geospatial Technology as a core tool for visualization**

- What is Geospatial Technology?
- Global Positioning System
- Geographic Information System
- Remote Sensing
- Google Earth Software
- Satellite
- Computer

#### **Questions and Answers**

### **Part 3: Visualizing Earth Systems**

#### **Importance of Visualizing Earth Systems**

##### **3.1: Visualizing the Atmosphere**

3.1a: Example of Atmosphere Visualization Project

3.1b: Questions and Answers

##### **3.2: Visualizing the Hydrosphere**

3.2a: Example of Hydrosphere Visualization Project

3.2b: Questions and Answers

##### **3.3: Visualizing the Biosphere**

3.3a: Example of a Biosphere Visualization Project

3.3b: Questions and Answers

##### **3.4: Visualizing the Geosphere**

3.4a: Example of a Geosphere Visualization Project

3.4b: Questions and Answers

### **Part 4: Practical**

4.1: Navigating Google Earth

4.2: Demonstration of GPS Use

4.3: Observation of Visualization Photos

4.4: Inventory on Android Phone and GPS Software

### **Part 5: Career Choices in Geosciences**

Assignment

Closing Remarks

END