

Earth System Project (ESP)

by

R. SHANKAR

Formerly: Chair, International Geoscience Education Organisation AND

Chair, Examination Board and Co-ordination Committee for the International Earth Science Olympiad

Professor, Department of Marine Geology, Mangalore University

Foreign Secretary, Geological Society of India

Member, IUGS Commission on Geoscience Education, Training and Technology Transfer

Email: rshankargeo@gmail.com

IN THIS TALK

Introduction

The What and Why of ESP

How is it done?

PowerPoint presentation

Evaluation – By? How?

Awards

Introduction

- IESO is not only a competition....
- Also co-operation activities
- Thus, IESO is unique.
- NO other science olympiad has this!
- Co-operative activities: NTFI and ESP

Earth System Project (ESP)

What?

- Researching a **given topic** by using and analysing data collected from the Internet
- To showcase the current state of 21st century science in general, and earth science in particular

Why?

- 1.To promote international co-operation!
- 2.To forge bridges of friendship among you!
- 3.To develop scientific skills like:
 - data collection
 - data analysis
 - reasoning
 - system thinking
 - communication and collaboration
 - presentation: oral and written

• How?

- A research **topic** is given.
- Research this topic on the Internet →
- Collect relevant data from Internet
- Analyse the data you collected
- Evaluate the phenomenon in terms of
 - processes involved,
 - Earth systems interactions
 - its impact on biosphere (including humans)
 - any remedial measures, depending on the phenomenon

PowerPoint presentation

- Bullets or Points (Hence, PowerPoint!)
- Less text, more figures & photos. No Tables!
- Big enough font size;
- Dark background and light colour letters
- No. of slides depends on time available

WHAT TO INCLUDE?

- What is the research topic?
- An account of the
 - processes involved
 - Earth systems interactions

Evaluation

- By?
- An International Jury

- How?
- Jury Listens to and interacts with Team
- Jury evaluates the presentation using a rubric
 - Available at:
<http://www.ieso-info.org/wp-content/uploads/2012/11/STATUTES>

Awards

- Gold Research Project Team Award
- Silver Research Project Team Award
- Bronze Research Project Team Award
- TO BE FINE-TUNED FOR THIS YEAR.....

ALL the best!

Make friends!! and

Enjoy the team work 😊 😊