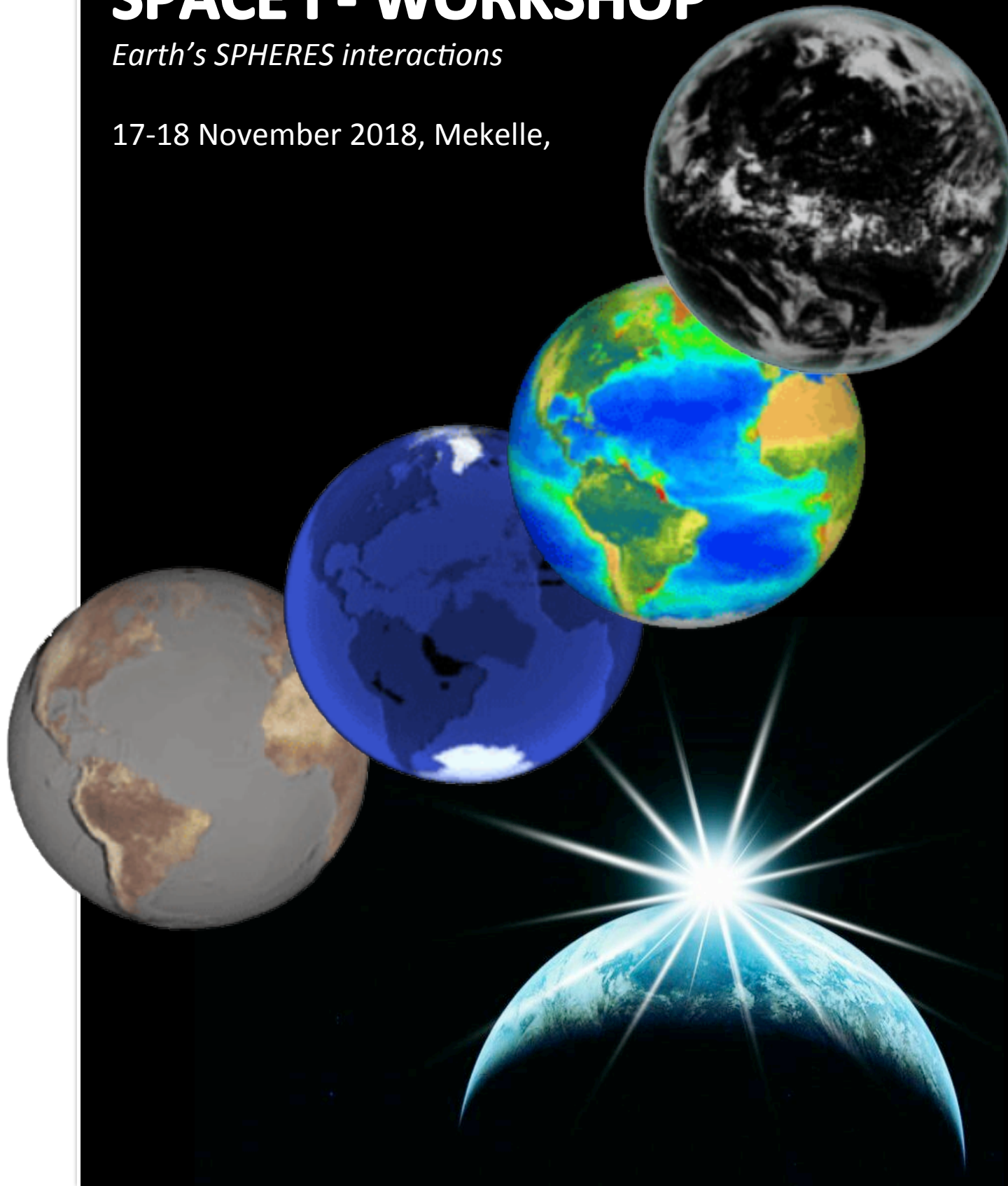


SPACE – *Speaking Planet to Teachers Community in Ethiopia*

SPACE I - WORKSHOP

Earth's SPHERES interactions

17-18 November 2018, Mekelle,



SPACE I WORKSHOP - SPHERES interactions

17-18 November 2018, Mekelle

Dear SPACE Teachers and Trainers,

SPACE I -- *Earth's SPHERES interactions* is the first workshop organized by Europlanet 2020 Research Infrastructure (RI) in the framework *SPACE – Speaking Planet to Teachers Community in Ethiopian*, which aims to bring new life into your classes.

SPACE workshops will be a great way to develop your skills as well as an opportunity to meet scientists and other teachers to share ideas and experiences on teaching Planetary Sciences.

We look forward to seeing you at one of our free of charge workshops soon!

The Organizing Committee:

Dr. Barbara Cavalazzi

Dr. Karen Olsson-Francis

Ms. Anita Haward

Dr. Kelali A. Tekle

Dr. Solomon Hishe

WELCOME

SPACE I WORKSHOP - SPHERES interactions

17-18 November 2018, Mekelle

Africa is facing major challenges in ensuring basic necessities and proper education for its growing population. Only through sustainable development can one hope to address these challenges. Space science and technology has, and continues, to contribute to sustainable development and offers many benefits to mankind. The benefits from space infrastructure are becoming more evident in the management of long-term and significant challenges faced by modern society.

Since 2013, a scientific research project for the study of natural environments has brought UNIBO and Europlanet 2020 RI to Ethiopia. At the same time it was decided to take up this opportunity to spread awareness regarding our planet, particularly the the environment and territory in which you live. Hence, the idea of using the local school system (especially in rural areas) for the construction of an educational program, which will develop awareness regarding the local environment, was developed. The program will be run in harmony with the needs of the local communities.

AIM

Therefore, it was decided to 1) direct the SPACE teaching to teachers (to reduce communication problems due to the high number of ethnic languages) through refresher programs and introducing, where possible, innovative methodologies; 2) pursue methodically and regularly training for the teachers; 3) operate in full respect of local tradition and culture; 4) support teachers to maintain their careers and encourage students to complete their studies in order to choose their future.

At SPACE WORKSHOP, you will

Participate in 5 ready-to-use planetary science activities

Learn how to develop activities to stimulate exploration and strengthen critical thinking skills

Explore great science activities for children

Gain a better understanding of the science concepts behind the fun activities, making students excited to learn

Reinforce scientific concepts in a frontier research field

Share ideas with other teachers and trainers, and learn from each other's experiences

The goal of **SPACE Workshops** is to show educators how to use proven teaching strategies to make space science more exciting, more engaging, more interactive, and more meaningful in their classroom.

SPACE I WORKSHOP - SPHERES interactions

17-18 November 2018, Mekelle

DAY 1

08:00 – 09:00 am | Registration

09:00 – 09:10 am | Program announcement

09:10 – 09:20 am | Welcome by the Organisers

09:20 – 09:30 am | Welcome by Director of ICS

09:30 – 10:00 am coffee break

10:00 – 11:30 am | Geosphere

11:30 – 13:00 am | Biosphere

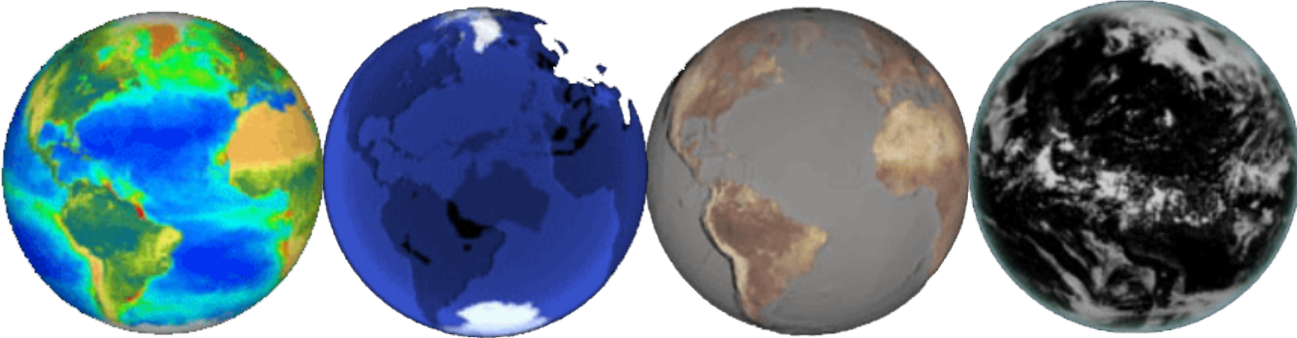
13:00 – 14:30 lunch (and group photo)

14:30 – 16:00 pm | Hydrosphere

16:00 – 18:00 pm | General Discussion

**Social event
19.10 – 21.00 (2h)**

PROGRAM -- day 1



SPACE I WORKSHOP - SPHERES interactions
17-18 November 2018, Mekelle

DAY 2

08:30 – 10:00 am | Atmosphere

10:00– 10:30 coffee break

10:30 – 11:15 am | Cosmosphere

11:15 – 12:00 am | Introduction to Astrobiology

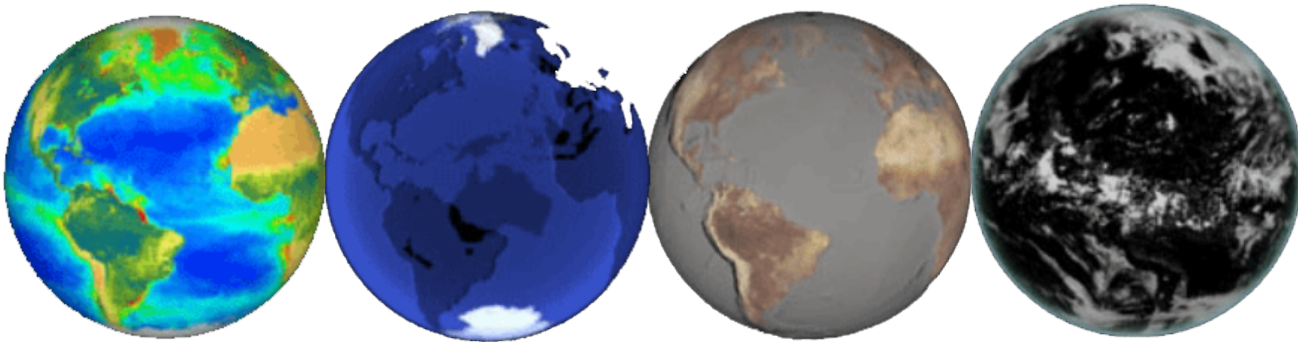
12:00 – 13:00 am | General Discussion

Delivery of the certificate of attendance

13.00 Lunch

PROGRAM -- day 2

- Teachers will be issued with a certificate of attendance at the end of the **SPACE I Workshop**.
- **SPACE I Workshop** practice materials will be available.



SPACE I WORKSHOP - SPHERES interactions

17-18 November 2018, Mekelle

When

17-18 November 2018

Where

Endayesus main campus

Institute of Paleo-environment and Heritage conservation

Mini-conference Room

Who is for?

- All science teachers, who want to widen their teaching methods and ideas
- All teachers that want to develop and understanding of on planetary science and relative careers

Fee

The workshop is free of charge but it requires registration due to limited availability of places.

In order to register, please contact Dr. Kelali Adhana Tekle atkelali@gmail.com, +251932988515

The number of participants is limited to 40, so book early to save your place.

Language

The language of the workshop is English.

WHEN -- WHERE -- WHO

SPACE I WORKSHOP - SPHERES interactions

17-18 November 2018, Mekelle

The Organising Committee:

Dr. Barbara Cavalazzi, Europlanet 2020 RI, University of Bologna

Dr. Karen Olsson-Francis, Europlanet 2020 RI, The Open University

Ms. Anita Heward, Europlanet 2020 RI

Dr. Kelali Adana Tekle, University of Mekelle

Dr. Solomon Hishe, University of Mekelle

ORGANIZERS

Workshop Trainers:

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Dr. Tsehaye Gebrelibanos, University of Mekelle

Mr. Henok Shiferaw, University of Mekelle

Dr. Karen Olsson-Francis, The Open University

Dr. Hagos Weldegebriel, University of Mekelle

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Prof. Nigel Mason, Scientific Coordinator, Europlanet 2020 RI

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Dr. Amanuel Zenebe, Director of Institute of Climate and Society, Mekelle University

Ms. Amanuel Abraha, Administrative office, University of Mekelle

Prof. Paola Salomoni, Vice Rector for Digital Technologies, University of Bologna

Dr. Nelda Parisini, Area Rapporti Imprese, Terza Missione e Comunicazione, University of Bologna

The Astrobiology and Geomicrobiology Lab., BiGeA Dept., University of Bologna

SPACE I WORKSHOP - SPHERES interactions

17-18 November 2018, Mekelle

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SPACE I WORKSHOP - SPHERES interactions
17-18 November 2018, Mekelle

SPONSORS



**The Open
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17-18 November 2018, Mekelle

Links:

EuroPlanet RI H2020

<http://www.europlanet-2020-ri.eu/>

<http://www.europlanet-society.org/outreach/>

SPACE

<https://site.unibo.it/almagoals/en/progetti/space-speaking-planet-to-teachers-community-in-ethiopia>

University of Bologna

<https://www.unibo.it/en>

University of Mekelle

<http://www.mu.edu.et/>

The Open University

<http://www.openuniversity.edu/>

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