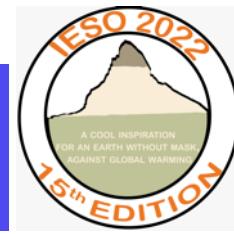


IESO 2022



15th EDITION

ITALY-AOSTA HOST COUNTRY

5th NEWSLETTER

IESO 2022 will take place online, in Italy, from 25 to 31 August

IESO2022 is just a few days away!

IESO Italian staff is working to ensure that everything works at its best.

We ask for your cooperation and understanding.

About the program:

- ⇒ The Opening Ceremony will be held on August, 25th at 12.00 Rome time, link: [Opening Ceremony](#) It will also be possible to see the registration that will be published on the ieso2022.com website and youtube channel [ieso2022 - YouTube](#) in the following days;
- ⇒ In addition to the interventions of the Chair and the authorities, we would like to present the photos of the teams.
- ⇒ We invite you to send your official team photo to Info@ieso2022.com as soon as possible and in any case by the 24th, so that you can be "present".
- ⇒ We also invite you to send photos during the tests, or at significant moments.
- ⇒ We have also activated the facebook page, IESO2022, on which you can publish your posts.
- ⇒ The two scheduled *lectio magistralis* can be followed directly or in streaming. Students and mentors are invited to participate as useful topics will be proposed to face the subsequent tests; those who cannot follow them will find the link to you tube on the homepage of the website, the link to the live stream will also be shared via email to all users and posted on the moodle portal.
- ⇒ The Astronomy *lectio magistralis* will take place live from the Saint Barthélemy Observatory from 3.30 pm Rome time.
- ⇒ The Global warming *lectio magistralis* will take place live from the Mount Blanc Skyway from 2.0 pm Rome time.
- ⇒ We have brought forward the timetable to allow more students to follow. Students will be able to interact with the speakers via chat.
- ⇒ We remind that it will be possible to choose the activities to participate until 22/08/2022 through the Moodle platform from which the students have received the credentials, after this date it will be necessary to contact us at info@ieso2022.com to be able to register. Registrations via email will be accepted only from the date indicated, not before, and only for reasons that prevented manual registration in advance.
- ⇒ We remind also that all mentors and observers can follow all the activities using the link on the homepage or on the you tube channel
- ⇒ We remind you that students who have participated in past editions cannot participate in the 2022 edition, after a cross analysis with past data we have found two violations of this rule.

The agenda and the activities illustrated in previous Newsletter are confirmed

IESO 2022 schedule

	25/08/2022	26/08/2022	27/08/2022	28/08/2022	29/08/2022	30/08/2022	31/08/2022
AM	12.00 am Rome Time Opening Ceremony	9:00 am Local time Data Mining Test 1-2	ESP preparation	ESP preparation	NTFI presentation	NTFI presentation Earth learning students' ideas presentation	12.00 am Rome Time Closing Ceremony
PM.	3.30 pm Lectio magistralis: Astronomy, from the regional observatory of Aosta Valley direct and streaming	2.00 pm Local time Data Mining Test 3-4	2.00 pm Rome time Lectio magistralis: Global warming, from the Skyway, Mont Blanc direct and streaming ESP preparation	ESP presentation	NTFI presentation Astronomic game	IESO Earth science and art, IESO pledge	

the Data Mining Test (DMT)

4 DMT are proposed, all have to be done.

The two first request 3 hours, at least, then students have 1 hour of pause, then two other tests are proposed, that request again three hours at least. For each question, the student needs to explore online data which links are provided. A series of questions will guide the student, step by step, through each investigation.

The student in the various tests will have to fill in his Moodle form, with single or multiple-choice answers, with data/numbers, abbreviations (for example SW for Southwest), and may have to send a screenshot.

He/she will have to do simple calculations (a calculator is useful).

The text of the Data Mining Tests will be sent to the mentor in charge of the team, 2/3 days before, for translation into their own language, if necessary.

The Countries that need to translate the test in their own language must send a request to info@IESO2022.com before August 23.

He will have to send the translated text to Info@ieso2022.com within the 25th, beginning of the IESO.

All the tests, in the different languages, will be published on the website immediately after.

Students will receive the test in their own language, when necessary, as well as in English and a Moodle form, to be filled with the answers, so that it can be sent to the students at the right moment. The Moodle form will contain only the Number of the question and the possible answers (letters, among which choose one or more answers as indicated) or a space to fill with numbers or short text or upload form.

The answers will be checked automatically by the Moodle system but one manual analysis will be done.

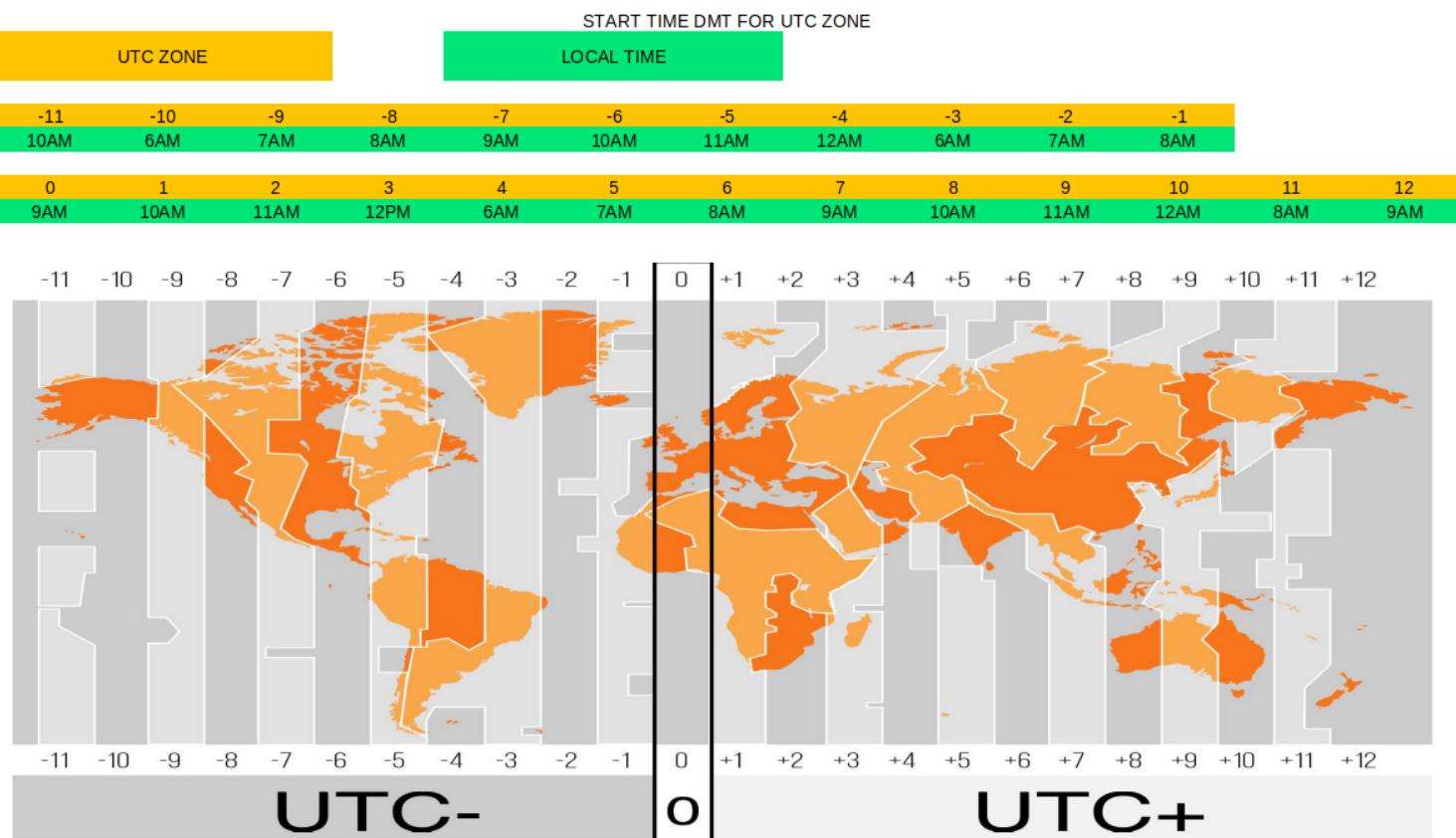
Each question will be valued 1 point, with few exceptions as written in the test.

No penalties in case of wrong answers, as decided by the Evaluation Board.



the Data Mining Test (DMT)

The awarding of medals respects the rules of IESO, 10% for gold medal, 20% for silver, 30% for bronze
 The outcome, ranking and medals will be communicated during the Closing Ceremony
 The start time of the test is presented here below.



We have used the UTC solar time.

Country	UTC	Country	UTC	Country	UTC	Country	UTC
Ghana	0	Belarus	+2	Pakistan	+5	Indonesia	+7 + 9
Spain	0	Czech Republic	+2	India	+5	Australia	+8 + 10
Portugal	0	Estonia	+2	Bangladesh	+6	Perù	-5
U.K.	0	Lithuania	+2	Thailand	+7	Mexico	-6
Andorra	0	Finland	+3	Malaysia	+7	Chile	-6 - 4
Italia	+1	Romania	+3	Macao	+8	Canada	-7 - 4
France	+1	Turkey	+3	Taiwan	+8	U.S.	-4 - 10
Macedonia	+1	UAE	+4	China	+8		
Germany	+1	Sri Lanka	+5	South Korea	+9		
Norway	+1	Kazakhstan	+5	Japan	+9		



International
GeoScience
Education
Organisation



World Environmental
Education Congress
Network Italia



the National Team Field Investigation (NTFI) *

Up to 2 teams from each nation can participate in the NTFI , creating its own field investigations for presentation during the IESO.

Each team will have to preliminarily prepare a presentation, or a film, to be sent to Nir Orion nir.orion@weizmann.ac.il and uploaded to Moodle National team field Award **before the start of the IESO, by August 24 th. A Format of the ppt will be provided.**

The field investigations will be presented for Jury evaluation during the IESO, on morning and afternoon 29th, and morning 30th. The presentations may be live on Zoom/ other platforms, or pre-recorded totally or partially, depending on the countries and students' abilities to have good Zoom access.

Students will have 15-20 minutes to present it.

The final evaluation considers: Originality, Scope, Independence, Logical sequence.

The team can obtain gold, silver, bronze medals based on Evaluation Board criteria.

The Earth Systems Project (ESP)

International groups of students will investigate one of the four topics on Earth System Phenomena, given by Moodle **form the 25th, after the Opening Ceremony.**

They can choose the subject on which they want to work with an international team.

The team will be organized from the IESO staff, according to the time zone, to allow the students to work together online on morning and afternoon 27th and morning 28th, searching for useful materials on the web and creating a presentation; a Format of the poster will be provided.

Then **they have about 12 minutes to make presentations to an international jury and 3 minutes to answer questions.**

The ESP will be evaluated by an International Jury during the IESO, on afternoon 28th.

The presentations should be live on Zoom/ other platforms; but they may be pre-recorded totally or partially, depending on the countries and students' access to good Internet connectivity

The final evaluation considers a wealth of scientific content, collaboration between team members, and effective communication.

The team can obtain gold, silver, bronze medals based on Evaluation Board criteria.

The Earth System pledge

The students will be asked to submit their Earth System pledges to their mentors for approval before being submitted to the IESO Jury, mentors must send the last ones to info@ieso2022.com **within 26th .**

Earth System Pledges will be posted on the website IESO2022.com and selected for public recognition during the closing ceremony: students, mentors and observers will vote for their favorite pledge

the Astronomic game

An astronomical game allows the student to participate in a real treasure hunt from his/her smartphone by interfacing with a bot through the Telegram messaging app, and by consulting a convenient online map. Students, individually or in teams, will be able to get involved.

It is requested to have:

- ⇒ a smartphone
- ⇒ a Telegram account
- ⇒ a data connection
- ⇒ a QR Code reader



IESO Art and Science

Students are requested to share some of their poems, paintings, sculptures, rap songs, earth science memes.

All the works already sent will be considered valid, mentors must send the remaining to info@ieso2022.com within August, 26th.

Artistic works need to be sent the country's mentor and then the mentor will submit them to be posted on the website IESO2022.com and selected for public recognition during the closing ceremony: students, mentors and observers will vote for their favorite pledge

Earth Learning students' Ideas. ELsI

Students are invited, individually or in team, to produce a reel, or a short YouTube video

- ⇒ https://www.earthlearningidea.com/home/Videos_general.html
- ⇒ explaining a practical hands-on activity or demonstrating a geological phenomenon, theory, https://www.earthlearningidea.com/home/Teaching_videos_workshops.html
- ⇒ a short tale, https://www.earthlearningidea.com/PDF/Geological_fairytales.pdf

ELsI need to be sent to the country's mentor and then the mentor will submit them **within August 26th** to be posted on the website IESO2022.com and selected for public recognition during the closing ceremony: students, mentors and observers will vote for their favorite ELsI

Susanna - IESO 2022 Chair
IESO 2022 team

