



SIOI - UNA ITALY

THE INTERNATIONAL YOUTH MARATHON OF
IDEAS ON OCEANS AND POLES
ROME, 2nd - 4th October 2019

HANDBOOK



Promoters



Special thanks to





Host and Promoters



SIOI

Società Italiana per
l'Organizzazione Internazionale



UNA Italy

The Italian Society for International Organization (**SIOI**) is an international non-profit organization that has been operating since 1944 under the supervision of the Ministry of Foreign Affairs. It is the Italian Association for the United Nations (**UNA Italy**) and a founding member of the World Federation of the United Nations Associations (**WFUNA**).

SIOI has its main office in Rome, in Palazzetto Venezia, in addition to branches in Milan and Turin. SIOI's institutional aims are diplomatic and educational. It promotes and supports training and research on international organization and relations, as well as international protection of human rights.



The Ministry of Education, Universities and Research is the Ministry of the Italian government for the national education system, the Italian universities and research agencies.

The Hack competition is linked to the **National Plan for Digital Education** conceived by the Italian Ministry of Education, University and Research (MIUR) and implemented by the General Directorate for the Digital Innovation (DG EFID).



UNITED STATES EMBASSY TO ITALY

The Embassy of the United States of America in Rome is the diplomatic mission of the United States of America to the Italian Republic.

The Embassy's chancery is situated in the Palazzo Margherita in Via Vittorio Veneto, one of the most charming boulevards of Rome.

The many agencies of the United States Government that constitute the Mission work as a team to advance American interests and promote relations between the American and Italian governments and people.

The diplomatic mission comprises several sections and offices, such as the public affairs section and its cultural office.

Lewis M. Eisenberg is the newly appointed U.S. Ambassador to the Italian Republic and the Republic of San Marino.



Host and Promoters



Ambasciata di Norvegia

The Royal Norwegian Embassy in Italy works to further strengthen the excellent bilateral relations between Norway and Italy. The main areas of these bilateral relations are political, economic, commercial and cultural cooperation.

The Embassy also provides services for Norwegian citizens in Italy, which include consular services and arranging weddings at the Embassy every week.

Margit F. Tveiten is the current Norwegian ambassador to the Italian Republic, Republic of Malta and Republic of San Marino.



The Ministry of Foreign Affairs and International Cooperation - Farnesina :

The Ministry of Foreign Affairs and International Cooperation is responsible for the State's functions, tasks and duties in matters of political, economic, social, and cultural relations between Italy and other countries.



European Commission Representation to Italy:

The Representation offices act as the European Commission's voice and survey public opinion in their host country. They provide information and knowledge on the European Union, the Commission, their political agenda and activity.



MSOI

MOVIMENTO STUDENTESCO PER L'ORGANIZZAZIONE
ASSOCIAZIONE ITALIANA PER LE NAZIONI UNITE YOUTH - UNYA ITALY

Created and operated by students, the Student Movement for International Organization (MSOI) represents the youth and university section of SIOI and is the Italian member of the World Forum of the United Nations Youth Associations (WFUNA YOUTH).

MSOI organizes conferences, seminars, debates, workshops and student exchanges. With branches across Italy, MSOI aims to extend possibilities to all young adults interested in international cooperation.



Host and Promoters



On September 3rd, 2018, SIOI was officially admitted by unanimous vote to the UArctic (University of the Arctic), in occasion of the meeting of the UArctic Council in Oulu (Finland). SIOI is the first Italian Institution to be admitted in the Network and the first of the Mediterranean area. UArctic is the prestigious network of universities, colleges, research institutes and other organizations involved in education and research in and of the Arctic region. It works through the sharing of programs, resources and expertise to promote education and knowledge of the High North.

ZeroHackathon 2019 on Oceans and Poles - **Green Generation: Young Changemakers for the Future of Europe** is co-funded by the **Erasmus +** Programme of the European Union.



Welcome Address by Franco Frattini, President of SIOI

Dear Hackathoners,

Welcome to #ZEROHackathon!

This year's event is action-oriented on oceans and polar connections.

It shows how we can cooperate to tackle the climate crisis before it is too late connecting young and brilliant minds to achieve the common goal: protect the environment and ensuring a future to our Earth.

The need to live in balance with the world we inhabit has never been more critical. The four challenges you will face in the Hackathon are the same ones that leaders from government, business and private

societies are called to face with plans to preserve the planet and address the global climate emergency.

In this three-day #ZEROHackathon, you will have the opportunity to express your views, hopes and concerns about your future. You are called here to create the future through your ideas which will forge the world of tomorrow. We need your thoughts and your brilliant solutions that will contribute to help and preserve our beautiful world.

Thus...Be connected in your diversity sharing your different skills and knowledge. The impact of your shared ideas will go beyond your imagination!

*Thank you all for being part of this inspiring effort!
Change your mind, climate will follow!*





Welcome Address by **Lorenzo Fioramonti,** Minister of Education, University and Research

Creativity, civic engagement and teamwork: #ZeroHackathon is an exciting youth marathon of ideas and an extraordinary opportunity to be part of a real change for our Planet.

Only by connecting talent and collaboration, teams of young hackathoners from all over the world will convey innovative, high-impact ideas which can create a different future for our Earth. Cooperation is the key to make an idea spread. To let a single voice to be heard and a revolution happen.



Think of Greta Thunberg for a moment. Only a few months ago, she was a lone campaigner, now her name has become a global call for a change. The loner is now anything but alone. Greta is now a model of determination, inspiration and positive action. Of what happens when we focus our efforts on issues we care about.

I believe our schools can play a significant role in the challenge of global warming. We can rely on a multitude of young and brilliant minds to achieve great results. An incredible network of students and teachers connected to activists and citizens, associations and institutions working at different levels to shepherd world leaders and decision-makers to the next level of sustainability. "Education, not devastation" has become our mantra inside and – literally – outside the Ministry building, and I want to continue to be close to our students in this global challenge. We can be passionate contributors to a better world.

So many thanks to all the young people who are committed to addressing global warming in all its dimensions - whether social, scientific or economic.

Thank you for being our awesome, inspiring protagonists of these times!

Firmato digitalmente
da FIORAMONTI LORENZO
C=IT O=MINISTERO ISTRUZIONE
UNIVERSITA' E RICERCA



The Special Guests of #ZEROHackathon2019

High Level Speakers



Franco Frattini
President - SIOI UNA Italy



Lorenzo Fioramonti
Minister of Education, University
and Research



Margit Tveiten,
Ambassador of Norway in Italy



Karen Bel
Environment, Science, Technology
and Health Counselor - USA Embassy



Domenico De Maio
Director - National Agency for
Youth



Paolo Glisenti
Italy's Commissioner General
of Section for Expo 2020
Dubai



Bård Borch Michalsen
Associate Professor - UiT The
Arctic University of Norway

The Jury of #ZEROHackathon2019

The Jury



Doaa Abdel-Mortaal
Counsellor - World Trade Organization
and Advisor at the Guarini Institute of
Public Affairs



Bård Borch Michalsen
Associate Professor - UiT The
Arctic University of Norway



Karen Bel
Environment, Science, Technology and
Health Counselor - USA Embassy



Marianne Krey-Jacobsen
First Secretary - Norwegian
Royal Embassy



Olivier La Rocca
Europartners Network
Brussels



Massimo Mapelli
Journalist Special Envoy -
La7 News



Francesco Basile
Scientific Advisor of the Minister
on Climate Change and
Sustainable Development - MIUR



Cristina Puccia
Head of External Relations
SIOI - UN Association of Italy



Luca Sisto
Director General -
Confitarma

• Special Featuring



Sara Cavelli
Director General
SIOI - UN Association of Italy



Simona Montesarchio
Director for Digital Innovation
Ministry of Education



Giuseppina De Marco
UN Youth Delegate of Italy



Giulia Parenti
UN Youth Delegate of Italy



Simone Mostratisi
UN Youth Delegate of Italy



Meet the Staff of **#ZEROHackathon2019**

The Board of #ZEROHackathon



Sara Cavelli
Director General
SIOI - UN Association of Italy



Corinne Graziano
Officer External Relations
SIOI - UN Association of Italy



Giada D'Urso
Officer External Relations
SIOI - UN Association of Italy



Adriano Ficarelli
Administrative Director
SIOI - UN Association of Italy



Eva Palombo
Head of Training Division
SIOI - UN Association of Italy



Cristina Puccia
Head of External Relations
SIOI - UN Association of Italy

The Committee of #ZEROHackathon



Angela Scicchitano
Youth Project Coordinator



Lorenzo Micheli
Scientific Coordinator



Emanuele Della Sala
Media and Communications
Coordinator



Ornella d'Amore:
Team Coordinator



Meet The Staff of #ZEROHackathon2019

Team



Danilo Barboni



Emanuela Palmieri



Federico Pomilia



Giulia Secci



Lavinia Giampiccolo



Loredana Crolla



Michelle Benitez Garnateo



Ludovica Ficarella



Gloria Gaspari



Fabio Maina



Dielatta Muccilli



Irena Shaleva



Federico Sacripante



Gabriele Casano



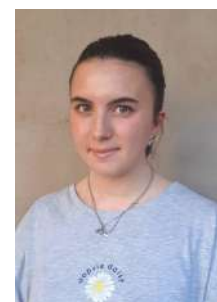
Camilla Giovanelli



Francesco Testa



Noemi Monaco



Cecilia Ciocchetti



Matilde Fachini



Francesca Escobar



Meet The Facilitators of #ZEROHackathon2019

Mentors



Francesca Palma



Aurelia D'Ambrosio



Alexander Virgili



Pasquale Simone Cristalli



Cesare Cuttica



Lorenzo Argirò



Lorenzo Cozzi



Cecilia Nota



Marcello Crecco



Pierluigi De Rogatis



Simone Romano

Content Creators



Alessandra Cataliotti
Graphic



Nihad Arslanagic
Web Master and Graphic



Emanuele Della Sala
Video Production



Challenges

#Challenge1:

Oceans and marine protected areas: Environment and Biodiversity

Only 6.35% of the oceans are protected by Marine Protected Areas (MPAs); furthermore, only 1.89% of these areas are exclusively “no take areas”: but, what is considered a MPA? They could be thought as areas that protect, process and promote biodiversity and restoration of ecosystems. In recent years, oceans have become simultaneously more threatened and increasingly important to the wellbeing of the planet. Concerning biodiversity, species extinction is happening at 100 times the natural rate, causing many scientists to believe the Earth is facing a sixth mass extinction, partially due to human interaction with the environment. In recent decades, populations of marine species have dropped by 14%. In the coming years, States must search for a collaborative solution to address current oceanic problems and create sustainable development goals to diminish the global ecological footprint on the environment.

Ask yourself:

- Have you ever thought that oceanic change could affect your life or your State?
- Do you think that your State is effectively implementing protections or initiatives regarding oceanic environmental diversity?
- What are some ways that you could adapt your routine to ensure environmental progress?

#Challenge2:

Marine management of pollution: Wastes and plastic

There are five large offshore plastic accumulation zones worldwide, the largest being the Great Pacific Garbage Patch (GPGP), visible even from space. Every year up to 2.41 million tons of plastic, 80,000 tons of which exist in the GPGP, enter in the ocean through rivers and are then transported by oceanic currents. There are four types of plastic that contribute to the GPGP; and, the bigger the plastic, the more dangerous it becomes for marine life due to its transformation over decades into micro-beads.

The implication of this plastic problem affects not only marine life, but also the economic stability and health of humans. When plastic and waste enter the marine food web, they impact the human food chain, and, as a result, affect the economy through clean-up projects and financial burden of fisheries. Some studies predict that within the next few decades there will be more plastic than fish in the ocean, creating a problem of biodiversity and sustainability.

Ask yourself:

- What can you do to reduce your plastic footprint?
- What are some steps your country still needs to take to implement a reduced waste policy?
- What are some initiatives States could implement now that will benefit future generations?



Challenges

#Challenge3: Protection of Arctic and Antarctic

Due to climate change, the Arctic is warming at a rate of almost twice the global average. The consequences of such include rising sea levels, eroding coasts, warming and acidification of the oceans, and melting permafrost, all of which are visible even at middle latitudes. These consequences also result in damaged ecosystems and the inadaptability of animal inhabitants in these regions, permanently affecting the food chain. Furthermore, these changes expand outward impacting human life and infrastructures.

Antarctica, as well, has been increasingly warming over the past 50 years. The largest area of concern is off the west coast of the Antarctic Peninsula, where the Antarctic Circumpolar Current is warming faster than any other part of the entire ocean. The Antarctic also faces the melting of perennial snow, which has redistributed penguin colonies and increased plant colonization. While there are many international measures in place to help combat these issues, a continual problem remains finding a way to ensure these measures are implemented. This will become more important as the world continues to become more globalized and interconnected.

Ask yourself:

- Do you think your country works to efficiently combat these growing problems?
- What are some goals you think could be implemented within the international community or your own country?
- Do you think this issue affects you personally, or will it only be a problem of future generations?

#Challenge4: The Exploitation of Arctic and Antarctic Resources: Geo-Strategic Implications, Security and Sustainable Development

In the last 50 years, the Arctic has transitioned from a space that was considered geopolitically stable to a place in which many countries have developed interest. Due to retreating ice and global warming, new global maritime routes that connect Asia, America, and Europe have become increasingly competitive, with countries attempting to enter into or further solidify their role in the Arctic economy.

While the Antarctic is more protected than the Arctic in terms of exploitation, there are still pressures of profiteering for mineral resources and oil. Along with economic exploitation of resources, the Antarctic faces consequences relating to sustainable development due to the tourist industry leaving sewage and pollution behind. The biggest challenge will be balancing these opportunities with security and sustainable development for both human and environmental benefit.

Ask yourself:

- If you could speak with a global leader, what would you suggest as the most pressing issue to fix?
- What are the instruments you could use for solving what you think is the biggest problem within these regions?



The Agenda/The Venues

OCTOBER 2ND, 2019

11.00 am

REGISTRATION OF PARTICIPANTS
SIOI 'S HEADQUARTERS
(Piazza San Marco, 51- Roma)

11.30 - 13.00 am

INTRODUCING THE HACKATHON METHOD AND THE CHALLENGES

Lorenzo Micheli, Scientific Coordinator Hackathon, Founder @WAYouth
Angela Scicchitano, Youth Project Coordinator of ZEROHackathon

13.15 pm

OPENING CEREMONY

SPEAKERS

Franco Frattini, President of SIOI
Lorenzo Fioramonti, Italian Minister of Education, University and Research
Margit Tveiten, Ambassador of Norway in Italy
Karen Bel, Environment, Science, Technology and Health Counselor, USA Embassy in Italy
Domenico De Maio, Director General, National Youth Agency (ANG)
Paolo Glisenti, Italy's Commissioner General of Section for Expo 2020 Dubai
Bård Borch Michaelsen, Professor, School of Business and Economics, UiT, The Arctic University of Norway

SPECIAL FEATURING : VIDEO MESSAGE FROM NEW YORK

Giulia Parenti & Simone Mostratisi, Italian Youth Delegates to the United Nations

14.30 – 18.30 pm

HACKING BEGINS

Lorenzo Micheli, Scientific Coordinator Hackathon, Founder @WAYouth
Angela Scicchitano, Youth Project Coordinator of ZEROHackathon

19.00 – 21.30 pm

WELCOME HAPPY HOUR AND NETWORKING!
Trinity College
Via del Collegio Romano 6

Youth Dialogue projects: Green Generation: Young Changemakers For The Future Of Europe



SIOI UNA Italy

The Agenda/The Venues

OCTOBER 3RD, 2019

SIOI

(Piazza di San Marco, 51)

9.00 am – 7.00 pm

HACKING CONTINUES...THROUGH NIGHT!

4 CHALLENGES FOR 20 TEAMS!

OCTOBER 4TH, 2019

9.00 am

Please note that entrance is permitted only between 8.30 and 9.30 am

10.00 – 12.00 pm

FINAL PITCHING

JURY

Dooa Abdel-Motaal, Counsellor, World Trade Organization and Advisor at the Guarini Institute of Public Affairs

Francesco Basile, Scientific Advisor of the Minister on Climate Change and Sustainable Development, Italian Ministry of Education, University and Research

Bård Borch Michaelsen, Professor, School of Business and Economics, UiT, The Arctic University of Norway

Karen Bel, Environment, Science, Technology and Health Counselor, USA Embassy in Italy

Marianne Krey-Jacobsen, First Secretary, Norwegian Embassy in Italy

Olivier La Rocca, Europartners Network Brussels

Massimo Mapelli, Journalist and Special Envoy, La7 News

Cristina Puccia, Head of External Relations Office of SIOI

Luca Sisto, Director General Confitarma

MODERATOR

Giuseppina De Marco, Italian Youth Delegate to the UN

12.00 – 13.00 pm

JUDGING

13.00 – 13.30 pm

#ZEROHACKATHON2019 AWARD CEREMONY

PRIZES TO THE BEST PROPOSALS

Sara Cavelli, Director General SIOI

Simona Montesarchio, Director for Digital Innovation Ministry of Education

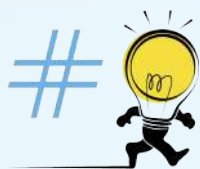
FINAL REMARKS AND PRESENTATION OF THE CLOSING EVENT VIDEO

Angela Scicchitano, Youth Project Coordinator of ZEROHackathon

Lorenzo Micheli, Scientific Coordinator Hackathon, Founder @WAYouth



Youth Dialogue projects: Green Generation: Young Changemakers For The Future Of Europe



#ZEROHackathon2019

is a Social Media Event

Dear Participants, welcome to #ZEROHackathon2019

Remember that social media will play an important role in the various stages of #ZEROHackathon! **Your social media activity** will be taken into account during the assessment phase!

Remember to follow the official #ZEROHackathon Facebook page as well as our accounts on other social media, which you can find below.

We encourage you to post, share and comment photos, stories and videos on Facebook, Instagram, Twitter and YouTube using the official Hashtags: **#SIOI #SIOI4GreenGeneration #ZeroHackathon #ZEROHackathon2019**.

Add **your challenge and your team** project name (e.g #Challenge1 #Arctic), tag your friends and your teammates and our official account!

Facebook: @Sioi, @Romunsioi

Twitter: @sioitweet, @ROMUNTtweet

Instagram: @sioi_unaitaly, @romunsioi

Youtube: SIOI Formazione, Romun SIOI

Web: www.sioi.org, www.romunsioi.org



Code of Conduct

ZEROHackathon will enforce the following rules at all times:

Name Badges: Participants must wear their name badges at all times; they are the only identification recognized by the ZEROHackathon staff and other officials. Badges must be kept visible at all times

Illegal Substances & Smoking: Any participant found in possession of alcohol or illegal drugs will be barred from the conference and immediately sent home

Sexual Harassment: Sexual harassment is prohibited. The conference defines sexual harassment as:

Unwanted sexual advances that may take the form of inappropriate sexual or suggestive comments, sounds or jokes; unsolicited touching or fondling; unwanted intercourse or assault; unwelcome requests for sexual favors and such conduct that has the purpose or effect of unreasonably interfering with an individual's academic or work performance or of creating an intimidating, hostile or offensive educational, social, living or working environment. Incidents of sexual harassment should be immediately reported to a faculty advisor or a conference staff member.

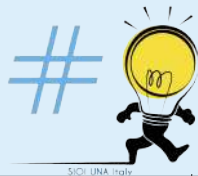
Authority: Participants must obey instructions from any advisor or conference staff member, both inside and outside of event sessions.

Laptop/Cell Phones: Using laptop and/or cellphones is strongly encouraged during working sessions for the sake of conference-related work. During breaks participants are encouraged to post photos and post about the event using the hashtag #ZeroHackathon. SIOI is not responsible for lost or stolen property.

Meeting Room Use: Participants must respect the meeting rooms and furniture at all times. Delegates found writing on tables or chairs will be immediately removed from the conference. Delegates may not bring food into the committee rooms.

Intellectual Property: Participants must respect Intellectual Property rules. Participants are requested always to check the licensing conditions for the material they choose to work with. In case of doubt, participants should remember that their work is not intended for commercial use. Participants are responsible for the work they present and the attributions they make. Therefore, they will be responsible in case of copyright infringement.

Dress Code: Business Casual.



Directions

From Termini Station to SIOI (Piazza Venezia):

Bus:

- 40 (Trasportina/Conciliazione) or H (Dei Capasso) at "Termini" stop (based in Piazza dei Cinquecento) for 3 stops, get off at Piazza Venezia stop. (Express)
- 85 (Arco di Travertino/MA) or 170 (Agricoltura) at Termini stop (based in Piazza dei Cinquecento) for 8 stops, get off at Piazza Venezia stop.
- Metro B (Laurentina) for 2 stops, get off at "Colosseo" stop, then walk (Colosseum, Forums)
- Metro A (Battistini) for 3 stops, get off at Spagna stop, then walk. (Piazza di Spagna, Via del Corso).

USEFUL NUMBERS:

SIOI: +39066920781

Emergency numbers:

112 is the emergency number in Italy. In addition to Italian, the calls are answered in English, French and German.

Thank you



Co-funded by the
Erasmus+ Programme
of the European Union



Ambasciata di Norvegia



UNITED STATES EMBASSY
TO ITALY



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Farnesina
Ministero degli Affari Esteri
e della Cooperazione Internazionale



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AGENZIA
NAZIONALE
PER I GIOVANI



UArctic