



Under the Patronage of



Rivers in Spring

WORLD WATER DAY IN MANTOVA, ITALY

22 MARCH 2021

8:45 am – 6:00 pm

PROGRAM

MORNING SESSION

For Schools and Community

08:30 am CET Link-up of first-session participants (ZOOM webinar)

08:45 am CET Live broadcast starts on GLOBE Italia's YouTube channel:

<https://youtube.com/globeitalia-it> (for the audience)

You may also find the link here: www.globeitalia.it (for the audience)

Opening remarks by **Sandro Sutti & Lorella Rigonat** (LABTER-CREA & GLOBE ITALIA)

Welcome address by the **Assessore Istruzione** (Education Department) **Mantova City Council, Prof. Serena Pedrazzoli**

Welcome address (English) **Dana Votapkova** and **Bara Semerakova** GLOBE Europe-Eurasia Region Coordination Office

Video opening the 21st edition of Rivers in Spring, World Water Day Choreographed musical video (Gazoldo degli Ippoliti Junior High School, Comprehensive School Ceresara)

9:00 – 9:55 am CET

Section 1

1 – BIODIVERSITY AND ENVIRONMENTAL PROTECTION

Natural Environment, Biodiversity

MC: Sandro Sutti

Joint Research Centre, European Commission, Ispra (VA): *Have you ever seen an alien?* (.ppt presentation)
Summary of the Citizen Science & Citizen engagement activities held by the European Alien Species Information Network (EASIN), and of the online course (MOOC). The MOOC is aimed to educate and involve students in the monitoring and management of alien species.
Eugenio Gervasini, Celia López Cañizares, Alessandra Mazzola, Rosella Speroni, Nelson Ribeiro, Ana Cristina Cardoso

Materna Montessori (Childcare-Kindergarten) in Mantova: *Natural Observers* (video)
The experience in Nature towards sustainability. Strategic Goal 15 in the UN's 2030 Agenda For Sustainable Development: Life on Land.
Coordinating teacher: Stefania Gibertoni

Primary School Piubega, Comprehensive School Ceresara: *Happily biodiverse* (e-book with games)
Biodiversity and ed ecosostenibility. The course involved pupils in classroom and outdoor activities, with the aim of understanding the importance of knowing and preserving human biodiversity and all species living for an improvement in the quality of life on the planet. Outdoor activity has provided direct observation and registration of plant and animal species present in the school garden, with the use of simple applications (Inaturalist, Plantet) to identify those whose name was known.
Students: Classes 4A and 4B
Teacher: Maria Grazia Coffetti

Bosco Fontana- Centro nazionale Carabinieri Biodiversità: (local armed forces, Biodiversity section):
The Park and the water (presentation/video)
The presentation will present the original key features of the "Foresta planiziale" (ancient forest) of the Pianura Padana, the environmental changes due to the regimentation of water and to the lowering of the aquifer, and their consequences on flora and fauna.
Other aspect that will be presented is the re-establishment of a wetland within the Bosco Fontana Reserve, and of artificial ponds, all aimed towards sustaining the population of the Frog of Latate. The presentation will conclude with considerations on the replicability of such interventions (as best practice) in other protected areas.
Mar. Ord. Gianfrancesco D'Ambrosio & Dott.ssa Laura Spada

Junior Secondary School Piubega, Comprehensive School Ceresara, Mantova: *Words of Water*
((multimedia)

E-book with stories, texts and much more in harmony with the value of water, created this year by the First, Second and Third classes. It was born from reflections, sensations, emotions, ideas generated by a path on biodiversity.

Biodiversity, a precious asset ... but it is in danger ... we must protect it ... what can we do?

We hope that we can have you as our allies as champions of biodiversity, because together we can !!!

You will also find an appendix with photos and links to videos and presentations of works produced:

- The sustainable city
- Climate change and environmental disasters on our planet
- Climate change and melting of glaciers
- "Water footprint"
- 1 music video with original choreography
- 1 video about a sustainable city

Students: All classes of the institute

Teachers: All the teacher of Piubega Junior High School (coordinated by Valentina Di Naro and Lucia Lubrano Lobianco)

IS "Manzoni" Senior High School in Suzzara, Mantova: UNESCO PO GRANDE Project, *Life in the "lower province" in the big river context.*

Presentation with a sociological, cultural, welcoming and inclusive focus.

Students: Class 2SU, human sciences and Green University course

Teacher: Giorgia Mignoni

Oglio Sud Regional Park: *River Stories. Oglio Stories. The peat bogs of Marcaria and Le Bine (videos)*

Two videos, testimonies by those who live, care for and narrate the Parks.

Lella Rossetti, Environmental Education referent

IS "Fermi" Senior Secondary GLOBE School in Mantova: *Microbial Fuel cells* (presentation .ppt)

Advanced technologies for sustainable development, presentation.

Students: Valeria Podosinnikova, Camilla Bernoldi, Mattia Gazzoni Class 4C BIO

Teacher: Carlo Sai

Mincio Regional Park : A difficult equilibrium

Video on the beauties and critical aspects of the Park

Junior High School Gazoldo degli Ippoliti, Comprehensive School Ceresara, Mantova: *Il TesORO BLU*
(multiple multimedia materials)

In the sign of water ... in the footsteps of Dante.

Each class faced, through a multidisciplinary perspective, a path of discovery aimed at promoting the protection of the BLUE treasure. The theme of water as a source of life and a resource to be protected is told through multiple artistic-expressive works (poems, stories, drawings, dances, models).

Students: all classes of the plexus (1A-1B-2A-2B-3A)

Teachers: all teachers of the complex

Chernivtsi City Ecology and Nature Center, Chernivtsi, Ukraine: *Rivers of Bukovina* (video)

Exploration and investigations on the rivers in Bukovina

Students: *Rakochyi Vityazslav, Hresko Mykhailo, Hresko Anastasia, Rakochyi Vsevolod*

GLOBE students – puppies Circle “Fundamentals of phenology” KZ (English)

Teacher: *Larisa Klus, methodologist, Associate Professor*

Chernivtsi City Ecology and Nature Center, Chernivtsi, Ukraine: *Research on the eutrophic phenomena in the water courses of Sloboda-Banilov, Ukraina* (video)

Video-monologue by *Vadislav Bjordov*, a “Young Nature Guards” student of the centre (English)

Chernivtsi City Ecology and Nature Center, Chernivtsi, Ukraine: *Ukraine students save water* (video)

“Clean up the World” in Ukrainian rivers.

Teacher: *Tetiana Cheban*

10:00 - 11:00 am CET

Section 2

2 - USES OF WATER

Water as a resource: uses, reasons and ways to preserve the most precious

MC: *Lorella Rigonat*

Maurizio Molinari, Head of the Milan office of the European Parliament Office in Italy.

"New directive on drinking water: a victory for European citizens" (communication)

Dr. Molinari intervenes at the invitation of the Europe Direct Lombardy Center

Institute for BioEconomy, IBE, National Research Council in Florence: *How much water does a rose cost?*

Technologies and suggestions to save water in agriculture (live presentation)

Dr. Francesca Ugolini Dr. Francesco Sabatini

Primary School Bozzolo, Comprehensive School Bozzolo, Mantova: *The blu Gold* (e-book with video)

E-book with video on the water cycle and behavioural rules to save water

First year classes

Teachers: *Giovanna Pinardi & Elisa Malvezzi*

Scuola Infanzia Ferrari (Childcare-Kindergarten), **Mantova:** *Blue Gold* (video)

Educational project on water as a resource to protect

Coordinating teacher: Barbara Brutti

Teachers: *Barbara Battistini & Paola Guido*

TEA Acque: *How water is produced (purified)* (video)

The process of bore water purification; the integrated basin plant in Mantova

Massimiliano Ghizzi, Tea Group President

IS “Fermi” Senior Secondary GLOBE School in Mantova: *Water Drop, H₂OME* (video)

Ideation and design of an App (H₂OME) to control and regulate the use of water

Video and report on an entrepreneurial project

Authors: 8 Students & the Environmental Biotechnology Course

Teachers: Cristian Soncini, coordinatore, Monica Baldini, Domenica De Carlo

Scuola Infanzia Vittorino da Feltre Mantova (Childcare-Kindergarten):

The water Cycle (video-animation)

An animated tale of the water cycle in stop-motion, related to Goal n. 6 Agenda 2030.

Teacher: Elisa Artioli

Scuola Infanzia Visentini (Childcare-Kindergarten), **Mantova:** *Let’s recycle water*

Simple activities for the collection and reuse of rainwater (video)

From the series “learn to live with whatever Nature gifts you”.

Coordinating Teacher: Claudia Carpi

Publiacqua & Water and Energy Right Foundation – WERF, Florence: *Virtual Tour of the Publiacqua drinking water plant* (a journey in the augmented reality plant, interactive)

Matteo Colombi, Director Publiacqua & President WERF, Vincenzo Striano, responsible for education WERF

Scuola Infanzia Calvi (Childcare – kindergarten), **Mantova:** *The Montessori kindergarten and water* (video)

Video-photos of Montessorian activities with water as an instrument of learning and a companion of life in every experiential (video)

Coordinating teacher: Paola Gaspano

Teacher: Annalisa di Pietro

ATS DELLA VAL PADANA, Company for the Protection of Health: *To know is not to know deeply: water is the best drink for your* (presentation in .ppt)

Having established that water is essential for health, advice is given on the correct use of water bottles to ensure the hygienic quality of tap water.

Then there are suggestions of correct behaviors, which make the difference between knowing and knowing.

The regional Life Skills Primary and Life Skills Training programs operate in this field, courses that see the training of teachers and interactive workshops and Active Citizenship for students.

We will therefore start with a series of questions aimed at verifying knowledge of the subject and the consequent, or not, "healthy" behavior. From here we will illustrate, with examples, the main life skills that the aforementioned Programs consolidate in order to be able to choose health and environmental protection behaviors, to become protagonists of an Active Citizenship

Doct. Valter Drusetta

IS “PERTINI” Senior High School in Alatri, Frosinone: *Comparing Tap and Bottled water* (video)

Double interview with the two types of water and a commercial to promote the use of tap water, followed by an animation

Teachers: Valentine Capuano & Manuela Fratazzi

To study, investigate and understand

MCs: Lorella Rigonat and Sandro Sutti

CNR-IREA, National Research Council in Milan: *Study of lakes through the eyes of satellite sensors: from the lakes of Mantua to all the lakes in the world* (video)

The power of global imagery in controlling the planet

Dr.ssa Monica Pinardi & Dr. Mariano Bresciani

ISIS "Magrini-Marchetti" Senior High GLOBE School in Gemona del Friuli, Udine (GLOBE School):

Sample Boat (video)

Designing a vessel to automate sampling in surface waters

Students: Robotics Team

Teacher: Roberto Evangelista (Globe Teacher)

IS "Fermi" Senior High GLOBE School in Mantova: *Progetto MINCIO* (video)

Flash presentation of the GLOBE & GREEN protocols

Students: Mattia Bianchi, Alessandro Cauchi, Elia Fusari, Ilaria Gnaccarini, Elia Marchini, Giulia Melara, Davide Miotti, Aranna Tonini, Classe 4C BIO

Teacher: Cristian Soncini

University of Zagreb, Faculty of Science, Department of Biology (future biology and chemistry teachers)

A protocol of environmental investigation, also using GLOBE protocols (video)

Dr. Sc. Mirela Sertić Perić, Assistant Professor

Elementary School Banija, Karlovac Croatia (GLOBE School): *Field activity* (video)

The favorite station for hydrological measurements, according to GLOBE Protocols

Participants: Junior Secondary Students (11-14 y/o), Teachers, Citizens

Teacher: Ankica Veseljić (GLOBE Teacher)

IS "Manzoni" Senior High School in Suzzara, Mantova: *Un Po di microplastiche* (video)

A "Po" (= bit, Po is also the name of the river) of Microplastics

First trials of the Microplastics Monitoring Protocol for Surface Waters, with sampling and analysis of the waters of river Po, in collaboration with Associate Professor Alessandra Sutti, Institute for Frontier Materials, Deakin University, Victoria, Australia, and Stuart Robottom, Environmental Engineer, Deakin University, Victoria, Australia, creators of the protocol.

Students: Giulia Auri, Pietro Baroni, Davide Bellucci, Giovanni Bolondi, Luca Margonari, Giulia Moretti, Stefan Popa, Eloisa Ruffi, Shezad Sameer, Torino Alessandro, Classe 4BS

Teacher: Marina Consolini

ITAS “Stanga” Senior High School in Cremona: *Seafood special & The Substance doesn’t Change (graphic product)*

2 cartoons on microplastics, irony as an instrument for initiating the discussion of a very serious problem

Student: Giorgio Gaino

Teacher: Maria Proto

Fondazione le Pescherie di Giulio Romano: *Mantova and the Rio, from the past to the future (video)*

High schools and the Foundation, together for the architectural restoration and environmental health restoration.

Ing. Paolo Corbellani, President & Rag. Amelia Bianchi, Councillor

ITET “Mantegna” Senior High School in Mantova: *RIO School Project (video)*

Water monitoring in the context of this project aimed towards the architectural recovery of the “Pescherie (indoor fish markets) di Giulio Romano” and towards the environmental bonification of Rio. A project of *Rivers in Town*, a school-work alternation project

Students: Classes 4AA e 5AA

Teacher: Cinzia Manicardi

ISS “E. Ferdinando” Senior High School in Mesagne, Brindisi: *Water saving in agriculture (video)*

Presentation of the techniques used to reduce water consumption and the reuse of waste water in agriculture, part of the Erasmus + Project entitled “Water is Life”

Students: Third Classes of Liceo Scientifico

Teachers: Rossella Nisi and Sabrina Calò

IS “Copernico-Carpeggiani” Senior High School in Ferrara: *Water saving (pdf presentation)*

The results of a study on the use of water and behavioural rules to minimise the use of a key resource

Students: Class 1A

Teacher: Federica Orsatti

FIAB, Federazione Italiana Ambiente e Bicicletta in Mantova: *By bike along the shores of the Lago inferiore (Mantova’s Lower Lake) (video)*

The complete lap of the Lower Lake allows us to see emergencies of different nature more or less known: landscape, environment, historic-cultural, architectonic, and engineering-wise.

Daniele Mattioli, President, Marina Pini & Massimo Codurri, Concillors

Gruppo Speleologico Mantovano, Mantuan Speleological Group: *Karst springs (video)*

The video presents the importance of karst springs as a fundamental resource for humankind.

Davide Bettoni

Alkémica Cooperativa Sociale Onlus (MASTeR) MN: *Under pressure (video)*

Simple but engaging experimental demonstration on pressure

Corrado Benatti, Vicepresident

0:10 - 1:20 pm CET

Section 4

4 - WATER MANAGEMENT, CLIMATE CHANGE, SCHOOL AND TERRITORY

A resource to manage

MC: Marco Faggioli

PMO-GATE Università di Ferrara: *Surface and multi-risk waters (presentation)*

In the spotlight, the delicate balance between the land, man and water.

Water management and the resulting natural risks.

Ing. Marco Faggioli (University of Ferrara - Progetto Interreg PMO-GATE e DOS - History and Communication of Science Laboratory)

Scuola Infanzia Strozzi (Childcare-Kindergarten) in Mantova: *The value of water in atmospheric phenomena (video)*

Presentation of the various water-focussed activities run by the three sections of this school during the year. This year's educational project has developed themes related to Goal 13 in the UN's Agenda 2030: climate action.

Coordinating teacher: Paola Guercio

Teachers: Federica Parolini & Silvia Dalle Donne

Ceresara Junior High School, Ceresara Comprehensive School, Mantova: *In Ceresara Class is not water!* (presentation in .ppt)

4 presentations: My territory, The water footprint and virtual water, Climate change and the Aral Sea, A sustainable city

Climate change, waste and misuse of fresh water (a case study: the Aral Sea), the sustainable city, the water footprint and virtual water, the local territory (Ceresara and its neighbors), the elements of the local landscape, with particular reference to waterways (canals, ditches, seriole).

Students: Classes 1A & 3A

Teacher: Monica Maggi & Valentina Bertoni

"Bertazzolo" Junior High School, Mantova 3 Comprehensive School: *No life without water (video)*

Exhibition of products and models that demonstrate the effect of climate change and their relationship with water availability. Experiments on the key features of water.

Students: Class 1A

Teacher: Cristina Vighi

Provincia di Mantova, Mantova Province: *Water...Let's treat it well!* (Synthesis of works - presentation)

Three presentations for the three school levels (Primary, Middle, Secondary)

Three presentations of increasing complexity on the uses of water, the infrastructure for the collection and distribution of water and on the critical aspects that arise from the many uses of water in contemporary society

Doct. Paola Marazzoli e Ing. Sandro Bellini, SOIL WATER SERVICE AND CIVIL PROTECTION - UNLOADING AUTHORIZATION OFFICE - VIA CHECKS

Ministry for Education DGOSVI: *The GARA Network Management of water resources and environmental bonification (web)*

Activities prepared by this network of schools related to the theme of water.

Prof.ssa Elena Gaudio, network coordinator, Ministry of Education DGOSVI

AIPO, Interregional Body for the River Po Management: *The hydrographic basin of River Po* (presentation)
Roles and competencies in the management of the hydrographic basin of River Po
Arch. Lorella Togliani

Un patto per gli alberi Rete di Associazioni: *A pact for the trees to improve the environment and defend water from pollution; an action against global warming* (e-book)

An e-book that shows the positive effects of forestation, both in urban and country context, especially for surface and aquifer waters in the territory of Mantova

Gilberto Venturini, Head of Slow Food Condotta di Mantova, frequent Slow Food guest of the Geo&Geo TV show

I.S.I.S. "B.E.M." Agricultural Section "Brignoli" Senior High GLOBE School in Gradisca d'Isonzo, Gorizia:

The Doberdò Lake, surface and underground waters at risk in a changing climate (video)

The students filmed this video two years ago, during a surface waters monitoring campaign in the karst lake of Doberdò. The presentation will also cover a hydrogeological model that represents the whole system of the karst lakes. The video and model illustrate the recent results of a scientific research project by the Acque Carsiche Isontine research team together with the University of Trieste, with the support of some of our students. The study focused on the dynamics of underground outflow of the Isonzo and Timavo rivers, as well as the changes in mechanisms of filling and emptying of the lake. The aim of the study is to get to know better and better preserve the hydro resources in the karst underground.

Students: Alessia Franco, Andrea Sgubin, Linda Zanolla, Gabriele Devetti, Pamela Ranzenigo, Marta Verzegnassi

Teachers: Elisabetta Sdrigotti (GLOBE Teacher) & Laura Cettolo (GLOBE Teacher)

ISIS "Malignani" Senior High GLOBE School in Udine: *The Natisone-Nediză* (video)

A video-guide to get to know the river and the projects aimed at studying and defending the environment run by the students and the school in collaboration with social organisations with the same mission. A tool usable by students and citizens who want to dive into an environment with unique features.

Students: Neil Pividori, Francesco Moretti, Gabriele Basso Class 3CBAA performed the monitoring, students of the 4th and 5th year performed the analyses

Teacher: Francesca Miani in collaboration with teachers and technical assistants of the Institute

ISIS "Gabriele D'Annunzio" Senior High GLOBE School in Gorizia: *Park4Well* (video)

Historical, artistic, environmental and health-focused investigations on a stream of water, with the aim to build an exhibition.

Proposed by FAI, in alignment with the Gorizia City Council's project "the Park of the Corno in Valletta"

Various threads tackled by three classes and four teachers, involved in an exemplary school-territory project.

Students: Classes 3BBS e la 3ABAS

Teachers: Martina Braida (GLOBE Teacher) Monica Sclaunich (GLOBE Teacher), Stefania Armeli, Elisabetta Tutta, Lucia Boscarol

IISS “Bassa Friulana” Senior High GLOBE School in Cervignano del Friuli, Udine: *The study of the Ausa waters to enhance the Pradulin Park* (video)

The results of twenty years of studies and monitoring by the Chemistry Courses of the waters of the Ausa River are used in a project of requalification for an urban park. The school’s intent is to turn this into an OPEN LAB adopted by and managed by students (school and territory)

Students: Classes 3CHIA e 3ABIA

Teachers: Paola Zanon (GLOBE Teacher), Stefania Roppa, Stefano Rigonat, Elisa Polese, Giusy Fasano (GLOBE Teacher), Bruno Cuzzi

Liceo Classico “Virgilio” in Mantova: *Mantova town of water, storytelling of the links between Mantova and water* (e-book)

Using maps and historical documents, the students have reconstructed the steps of the transformation/expansion of the city of Mantova starting from the first medieval nucleus, all the way to its current state. Water is the element that shaped life, landscape and history during these transformations.

Students: Class 2B

Teacher: Alice Curione

Circolo Subacqueo Mantovano, Mantova Diving Club: *Introduction to the scuba diving course: Open water diver PSS* (video)

To learn how to dive in safety to get close and personal with the beauties of the underwater world, respecting the environment

Roberto Zandegù

Motonavi Andes Negrini in Mantova: *Mantova and its lakes, navigating safely* (video)

A proposal for the navigation of the Lakes, along the Mincio and Po rivers, presented by a historical navigation company that has been a keystone of all previous editions of World Water Day Rivers in Spring events in Mantova, by offering to all students free short boat trips on the Lakes.

Emma Negrini, navy commander

1:20 pm CET

Conclusions: end of the morning session

1:30 – 3:45 pm CET

RIVERS IN SPRING PLUS

Special section with videos and presentations that belong to the event, but which have been placed in a separate Special Section due to time constraints

Institute for Frontier Materials, Deakin University, Geelong, Victoria, Australia: MICROPLASTICS

Monitoring Protocol Trial (video) (2min) (English)

Presentation of the *MICROPLASTICS Monitoring Protocol for Surface Waters Trial*. A true research project that involves over 60 GLOBE teachers from 12 Europe-Eurasia countries and over 60 Italian teachers, trained via webinars delivered in English and Italian.

Objective: to submit the Protocol, after global trials, for evaluation by NASA & NOAA (National Oceanic and Atmospheric Administration) for consideration as an official GLOBE Protocol.

Associate Professor Alessandra Sutti & Stuart Robottom, Environmental Engineer

ARPA (Environmental Protection Agency) of Lombardy Region, Mantova Section: Treating water (6 short videos on water treatment operations) (pending confirmation)

Dott. Alessandro Malavasi, ARPA Lombardia, Mantova Section

Centro di Promozione della Protezione Civile di Mantova: Within the network of the Centre for the Promotion of Civil Protection (video)

Showing the Centre for the Promotion of Civil Protection of Mantova, the team responsible for educating schools about the knowledge and practice that characterise the world of Civil Protection.

Voice commentary: Prof.ssa Gabriella Ramaroli

Junior High School "Parazzi", "Parazzi" Comprehensive School in Viadana, Mantova: 3 diversified activity videos

1) *DIY (Do It Yourself) purifier*

2) *thunderstorm on a sick fountain (music)*

3) *crowned water (various reflections on the value of water through the crowns to be worn by the boys who appear in the video)*

In the wake of the spectacular tradition of a school, the backbone of the event since its inception

Coordinating Teacher: Franca Petocchi

Pro Loco Amici di Rivalta MN: Nativity on the Mincio River (video)

Pro Loco Amici di Rivalta MN: By canoe on the Mincio river (video)

Slow Food, representing a group of associations in Mantova: The valleys (of Mincio) (video)

Marvels and issues of a natural treasure, although man-made, that we could lose if...

Promoted by Slow Food Mantova, realised by Prof. Paolo Dugoni, Liceo Artistico

G. Romano, Mantova

Consortium for the Reclamation of the Mincio Territories: "Mask and Rina and the waters of Mantua" (video)

Puppet show by the Corniani Theater Center with Elisa Gemelli and Maurizio Corniani

The adventures of the two new characters to discover the reclamation in the territories of the Mincio.

ore 4:00 – 6:00 CET

AFTERNOON SESSION

Spreading scientific knowledge at the service of the environment

MCs: Sandro Sutti & Lorella Rigonat

Welcome by Mr. Anthony Deaton, Consul for Press and Culture, Consulate General of the United States in Milan

Prof. Marco Bartoli, Department of Chemical, Life and Environmental Sustainability Sciences, University of Parma - "**Green Deal & rehabilitate ecosystems: the secondary hydrographic network, an opportunity to re-establish biodiversity and ecosystem services at a large scale**" (presentation)

Dr. Mariano Bresciani e Dr.ssa Monica Pinardi, Institute of Electromagnetic Detection of the Environment IREA, National Research Council of Milan: "**Studio dei laghi attraverso gli occhi dei sensori satellitari: dai laghi di Mantova a tutti i laghi del mondo**" (video + verbal communication)

Dr. Peter Falcon, Jet Propulsion Laboratory, JPL, NASA Pasadena (USA): "**The relationship NASA-GLOBE Program**" (presentazione .ppt) (English) (in live streaming from California)

Dr. J.T. Reager Jet Propulsion Laboratory, JPL, NASA Pasadena (USA) "**Water Science at NASA: Measuring Earth's resources for life from outer space**" (presentation .ppt) (English) (in live streaming from California)

Dr. Vieri Tarchiani, BioEconomy Institute, IBE in Florence: **Water: risk and opportunity in the environments semiarids of West Africa** (presentation .ppt)

Dr. Eugenio Gervasini, Joint Research Centre of the European Commission in Ispra (Varese): "**Citizen Science and Citizen engagement activities run by the European Alien Species Information Network (EASIN), with a focus on the online course (MOOC) to educate and involve students in the monitoring and management of invasive alien species**" (follows the morning session, providing greater insight)

18:00

Conclusions

End of the event

Event Managing 22 MARZO 2021

COMPUTER AND MULTIMEDIA MANAGEMENT

Operations Center: Headquarters TEA spa, Via Taliercio 3, Mantova

Operators:

Ing. Michele Baraldi, IT management

Eng. Marco Faggioli, multimedia management

Student Cristian Pio Cirillo (IS Fermi MN) IT management assistance

Support center: IS Fermi (GLOBE School, Via Spolverina 5, Mantova)

Operator:

Prof. Anna Leggio (IS Fermi MN)

FASI PREPARATORY PHASES

ORGANIZING COMMITTEE

ROLES

	Design	Planning	Relations with schools, institutions, etc.	Relations with Regione Lombardia	Webinar management	Media management	Event IT management
Carla Azzali				X		X	
Michele Baraldi	X	X				X	
Cristian Cirillo						X	
Maria Pia Coceano	X	X					
Paolo Dugoni						X	X
Marco Faggioli	X	X			X	X	X
Sabrina Filetti				X			
Anna Leggio		X			X		X
Graziella Mocellin	X	X					
Raffaello Repposi						X	
Lorella Rigonat	X	X	X		X	X	
Fabio Rivolt	X	X					
Sandro Sutti	X	X	X			X	
Paola Zanon	X	X					

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