



The GLOBE Program, Citizen Science and Climate Change connections Conference

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GLOBE Program Training

Trieste, Italy, 23 – 25 October 2019

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| 23rd October, Wednesday, Old Port of Trieste – Hydrodynamic Plant (Idrodinamica) <ul style="list-style-type: none"> • The GLOBE Program, Citizen Science and Climate Change connections Conference • GLOBE Training | |
| 8:20 – 8:50 | Registration for the participants of the training and conference |
| 9:00 – 10:00 | Opening of the conference: A. Welcome to participants by guests and organizers <i>“ESOF – EuroScience Open Forum”, Paola Rodari, International Foundation For Trieste (FIT)</i> B. Keynote Presentations <i>“GLOBE Program and Citizen Science”, Tony Murphy, GLOBE Program Director, GLOBE Program Implementation Office, Boulder, Colorado, USA</i> <i>„Invasive Alien Species amongst us: science, awareness and citizens' engagement”, Eugenio Gervasini, Joint Research Center, European Commission, ISPRA, Varese, Italy</i> <i>„Urban Heath Islands: analysis of causes and effects on people and environment”, Beniamino Gioli and Lorenzo Brilli, Institute of BioEconomy (IBE), Consiglio Nazionale delle Ricerche (CNR), Firenze, Italy</i> |
| 10:00 | Announcements (instructions for the next sessions) |
| 10:00 – 10:30 | Teachers-Citizens-Students Interactions I.: Presentations and demonstrations of Apps |
| 10:30 – 11:00 | Coffee break |
| 11:00 – 12:00 | Teachers-Citizens-Students Interactions II.: Exhibition Market of projects and activities |
| 12:00 – 12:30 | Reflection by Keynote Speakers |
| 12:30 – 14:00 | Lunch |
| | Announcements and GLOBE Training 1 – split into groups |

| | Let's Start with Globe (for beginners) | | Widen our vision (for GLOBE CCs, trainers and advanced teachers) | | |
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| 14:00 – 15:00 | What you can do with GLOBE Research campaigns, Student Research Projects, Webinars, Apps <i>Tony Murphy (GLOBE Program Implementation Office, USA)</i> <i>Cornell Lewis (SSAI, USA)</i> | | NASA and GLOBE Program connections <i>Peter Falcon, Kalina Velev, (NASA Jet Propulsion Laboratory, USA)</i> | | Alien Species App <i>Eugenio Gervasini, Joint Resarch Centre, European Commission (Ispra, Varese, Italy)</i> |
| 15:00 – 15:30 | Coffee break | | | | |
| 15:30– 17:00 (incl. short break if needed) | GLOBE Atmosphere (for beginners) Field Work, Data Entry, GLOBE Observer App, Classroom practice <i>Vladimir Ribičić, National Weather Service, Croatia</i> <i>Dana Votápková (Europe and Eurasia GLOBE Program RCO, Czech Republic)</i> | GLOBE Hydrology (for beginners) Field Work, Data Entry, Classroom practice, studies on plastic micro-particles in water <i>Ieva Kalka (GLOBE Latvia)</i> <i>Paola Zanon, Graziella Mocellin (GLOBE Italy)</i> | NASA and GLOBE Program connections Satellite Missions, Resources for teachers, Apps, New Soil Moisture Probe <i>Peter Falcon, Kalina Velev, (NASA Jet Propulsion Laboratory, USA)</i> | Urban Climate (linked to GLOBE Atmosphere and GLOBE Observer Cloud App) <i>Beniamino Gioli and Lorenzo Brilli, Istitute of BioEcnomy, Consiglio Nazionale delle Ricerche CNR, Firenze</i> <i>Ela Woloszinska-Wisniewszka (GLOBE Poland, PULCHRA Project)</i> | Forests and Climate (linked to GLOBE Biosphere - Carbon Cycle and GLOBE Observer Tree Height App) <i>Zuzana Lhotakova, Department of Plant Biology, Charles University in Prague, Czech Republic</i> |
| 17:00 – 18:00 | GLOBE website administration for beginners Accounts, School Page, Study Site, Data Entry... <i>Cornell Lewis (GLOBE Technology team, SSAI, USA)</i> | | | | |
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| | Working Dinner + Culture Evening – time to be confirmed | | | | |

24th October, Thursday, GLOBE schools in Fiumicello and Cervignano del Friuli Visit of leading schools in the GLOBE Program and GLOBE Training

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| 7.45 | Departure from Trieste Centrale railway station by bus (7:45). The bus will stop at Hotel Tritone (7:50) and Miramare (8:00) to pick up the participants who stay there. |
| 8:45– 9.45 | Visit of „G.Garibaldi” Primary School in Fiumicello - Villa Vicentina |
| 9:45-10:00 | bus transfer to the next school |
| 10:00-11:15 | Visit of IIS „ Bassa Friulana” Senior High School in Cervignano del Friuli After that participants stay at school for the training sessions. |
| 11:15 | Announcements and GLOBE Training 2 – split into groups |

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| 11.30 –12.30 | <p>Forests and Climate</p> <p>(linked to GLOBE Biosphere - Carbon Cycle and GLOBE Observer Tree Height App)</p> <p><i>Zuzana Lhotakova (Department of Plant Biology, Charles University in Prague, Czech Republic)</i></p> | <p>Vegetation in Seasons</p> <p>(linked to GLOBE Phenology and Atmosphere, GrowApp)</p> <p><i>Zorana Sedlar (Natural History Museum, Zagreb, Croatia)</i></p> <p><i>Bára Semeráková (Europe and Eurasia GLOBE Program RCO, Czech Republic)</i></p> | <p>Drought</p> <p>(linked to GLOBE Soils and Atmosphere and GLOBE Observer Land Cover App)</p> <p><i>Marco Contin (UNIUD –DISA)</i> <i>Gilberto Gilberto Bragato</i> <i>CREA Council for Agricultural Research and Economics)</i></p> <p>Soil Moisture Probe</p> <p><i>Peter Falcon, Kalina Velev, Narendra Das (NASA Jet Propulsion Laboratory, USA)</i></p> | |
| 12:30 –14:00 | Lunch | | | |
| 14:00 –16:00 | Forest and Climate - continues | Vegetation in Seasons - continues | Drought - continues | |
| 16.00 - 16:30 | Coffee break | | | |
| 16.30 –17.30 | <p>Collaboration Opportunities</p> <p><i>free networking</i></p> | <p>Coffee with scientists</p> <p><i>Informal talks with the trainers-scientists</i></p> | <p>Ask the Director</p> <p><i>Q&A with Tony Murphy, GLOBE Program Director</i></p> | <p>GLOBE website tools practice</p> <p><i>Cornell Lewis, SSAI, USA</i></p> |
| 18.00 | Departure from Cervignano to Trieste by bus | | | |
| | Free evening | | | |

25th October, Friday - Old Port of Trieste – Hydrodynamic Plant (Idrodinamica) GLOBE Training and Excursion around Trieste

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| 9:00 | Announcements and GLOBE Training 3 – split into groups | | | |
| 9:00 – 10:00 | <p>GLOBE Technology Workshop</p> <p>Visualization, Data Tool, Apps</p> <p><i>Cornell Lewis, SSAI, USA</i></p> | <p>Urban Climate</p> <p>(linked to GLOBE Atmosphere and GLOBE Observer Cloud App)</p> <p><i>Ela Woloszinska-Wisniewszka (GLOBE Poland, PULCHRA Project)</i></p> | <p>Drought</p> <p>Soil Moisture and the new Soil Moisture Probe</p> <p><i>Peter Falcon, Kalina Velev, Narendra Das (NASA Jet Propulsion Laboratory, USA)</i></p> | <p>Vegetation in Seasons</p> <p>(linked to GLOBE Phenology and Atmosphere, GrowApp)</p> <p><i>Zorana Sedlar (Natural History Museum, Zagreb, Croatia)</i></p> <p><i>Bára Semeráková (Europe and Eurasia GLOBE Program RCO, Czech Republic)</i></p> |
| 10:00 – 10:30 | Coffee break | | | |
| 10:30 - 12:00 | GLOBE Technology Workshop – cont. | Urban Climate- continues | Drought- continues | Vegetation in Seasons - continues |
| 12:00 - 13:00 | Lunch | | | |
| 13:00 – 17:00 | <p>Excursion to a giant cave “Grotta Gigante”</p> <p>- <i>Participants sign up for the excursion at the registration desk upon arrival</i></p> | | | |