

The Daylighting Rivers project partnership invites you to participate in the project final conference

“Daylighting Rivers: Inquiry Based Learning for Civic Ecology”

1-2 December, 2020

Online conference (Central Europe Time Zone)

(Florence, Italy)

Daylighting Rivers engages secondary school students in inquiry based and interdisciplinary learning, focusing on **land and river use and transformations**, with an emphasis on the ways in which urban growth impacts local river ecosystems. Three pilot schools in Europe have successfully implemented this approach, through learning units which investigate different aspects of the local rivers, from their biodiversity to the environmental threats they face.

The conference will showcase contributions from stakeholders involved in different sectors of river studies and management. It will include sessions with a diversity of speakers, who will present scientific and professional case studies in the fields of innovative education methodologies, gamification and the use of digital technologies, citizen science and river management and restoration.

In the framework of the project, the international competition “Schools in Action for Daylighting Rivers” has brought together groups of students who are eager to *discover* the rivers of their area, inspiring global action for sustainability. The winners of the international competition will be announced on the second day of the conference.

The conference is free of charge, but you need to register, more information at:

Website: <https://www.daylightingrivers.com/>

Access to the Zoom room of the conference: <https://bit.ly/DaylightingRivers>

Other information:

To pose questions to speakers during the conference, use this email address:
daylightingrivers@gmail.com

1st of December 2020

9:15 - 11:00 Session 1: Rivers for civic ecology – Chair: Serena di Grazia

- 9:15 – 9:30 Greetings by the local authority, Councilor of the Municipality of Florence (Funaro S.)
- 9:30 – 10:00 Striano V., Di Grazia S., Ugolini F., Daylighting Rivers - European project for innovative teaching
- 10:00 – 10:15 Ozdem Y., Cavas B., An investigation on student’s perceived change in attitudes towards STEM and career decision self-efficacy in Daylighting Rivers
- 10:15 – 10:30 Marinaro L., Di Grazia S., A neighbour: the Arno river. Didactic project in Florence.
- 10:30 – 10:45 Sutti S., The schools of Mantova for the rivers
- 10:45 – 11:00 Question time

11:00-11:20 Break

- 11:20 - 13:00 *Parallel session (in Italian) – Concorso “Un vicino di casa: l’Arno”.* Introduced by the Councilor of the Municipality of Florence, Dr. Funaro S., with the presentation of the materials and the awards ceremony of the winner schools. *Live streaming for the schools of the Metropolitan city of Florence. – Chair: Vincenzo Striano*
 Link to access the Zoom Room: https://bit.ly/UnVicinodiCasaArno_Premiazione

11:20 – 13:00 Session 2: School experiences in the Erasmus+ project Daylighting Rivers – Chair: Fouli Papageorgiou

- 11:20 – 11:50 D’Ambrosio E., Gambino M.T., Marrazzo L., Daylighting Rivers in Italy: “River Sarno: a sick God”
- 11:50 – 12:20 Myrsini-Catherine Ververi M., Vlachou R., Giannelis S., Kaur C., Lazari M., Mavroudi G., Mavroudi L., Lazaris A., Daylighting Rivers in Greece: “The Great Stream of Rafina”
- 12:20 – 12:50 García Martínez M.L., Germán Escudero M., López Pérez E., Martínez Gea J.A., Meseguer Santamaría M.C., Palomares Carrascosa A., Parras M.P., Vidal Martínez M.C., Barberá G.G., Daylighting Rivers in Spain: An experience of Inquiry Based Learning in Spain: embedding new learning approaches in a highly regulated education system
- 12:50 – 13:00 Conclusions
- 13:00-14:15 Lunch Break

14:15 - 15:30 Session 3: Urban river stories: daylighting rivers and awareness – Chair: Gonzalo Barbera

- 14:15 – 14:30 Karaarslan-Semiz G., Semiz Y., Özdamar E.D., Lost rivers of Ankara and their use in environmental education.
- 14:30 – 14:45 Legault L., The St. Pierre river: remembering a historic Montréal waterway.
- 14:45 – 15:00 Christoforaki K., Ilisos river: uncovering history.
- 15:00 – 15:15 Castelli G., Pacetti T., Bresci E., Caporali E., Water values: participatory assessment of riverine ecosystem services for sustainable water management in the Arno river basin.
- 15:15 – 15:30 Question time

15:30-15:45 Break

**15:45 - 17:00 Session 4: Environmental education and teacher training –
Chair: Lina Marrazzo**

- 15:45 – 16:00 Kovacova A., López Giraldo JD., Kahan J., Massetti L., Bioprofiles and Envimobile: two projects, two models of innovative teaching of environmental education applied to water
- 16:00 – 16:15 Zhang Z., Huang X., Using social networking service (SNS) for environmental education: Experiences, challenges and recommendations
- 16:15 – 16:30 Huang X., Zhang Z., An exploration of STEM pedagogical application facilitating environmental education
- 16:30 – 16:45 Pileggi T., Megale G., Pampaloni M., Caporali E., Enhancing awareness to flood risk through hands-on models and serious games
- 16:45 – 17:00 Question time

17:00-17:15 Break

17:15 - 18:15 Session 5: Rivers and citizens' participation – Chair: Demetris Mylonas

- 17:15 – 17:30 Gervasini E., López-Cañizares C., Cardoso A.C., Building a European community of interest around invasive alien species.
- 17:30 – 17:45 Di Lonardo C., Di Lonardo S., Rivers as a trigger for active citizenship of small rural communities: a case study in central Italy.
- 17:45 – 18:00 Fortuño P., Vinyoles D., Fabre N., Verkaik I., Cid N., Soria M., Bonada N., Gallart F., Prat N., A polluted urban river as a resource to raise citizen awareness. The case of the Besòs river.
- 18:00 – 18:15 Question time

2nd of December 2020

9:15 - 10:45 Session 6: River management in a changing climate – Chair: David Pearlmutter

- 9:15 – 9:30 Gozzini B., **The climate crisis and its impact on the territory. Economic and social effects.**
- 9:30 – 9:45 Sbandati A., **Water services providers and daylighting rivers program**
- 9:45 – 10:00 Barberá G.G., **Civil society, economic interest groups, science, politics and policies on a water-related ecological crisis. May Inquiry Based Learning change the game output in the long-term?**
- 10:00 – 10:15 Chiarabaglio P.M., Vietto L., Cristaldi L., **River restoration activities in Northern Italy in the context of climate change**
- 10:15 – 10:30 Pacetti T., Cioli S., Castelli G., Pampaloni M., Bresci E., Caporali E., **Planning nature-based-solutions through geographic information tools to manage flood risk in Florence's urban environment**
- 10:30 – 10:45 Questions time
- 10:45-11:00 Break

11:00 - 12:30 Session 7: Science and environmental awareness on water bodies – Chair: Bulent Cavas

- 11:00 – 11:15 Tupitsyn I.I., Penkova O.G., **Rivers of Irkutsk (Eastern Siberia) as objects of public environmental monitoring in the process of educational and research activities of students**
- 11:15 – 11:30 Leoni F., Bianchi N., Galdenzi S., **The river as an open-air classroom for environmental education and a training ground to develop scientific citizenship**
- 11:30 – 11:45 Coceano M.P., Mocellin G., Rigonat L., Zanon P., **Ausa river: an example of school and river interaction**
- 11:45 – 12:00 Zampella R., Antoi M., Baglione M., Battaglia Masini J., Cerri A., Ibellani A., Mori V., Ugolini F., **Education enhancement in cultural, artistic and landscape heritage of a wetland.**
- 12:00 – 12:15 Rossini G., Castellano D., Ugolini F., Pellegrino L., **"The stream in a trap" educational project on Rio Maggiore stream in Livorno.**
- 12:15 – 12:30 Question time

12:30 – 13:00 Summary of the conference

13:00-14:30 Lunch Break

14:30 - 17:00 Daylighting Rivers Competition "Schools in Action for Daylighting Rivers" – Chair: Francesca Ugolini

- 14:30 – 16:30 Presentation of the entries of the international competition "Schools in Action for Daylighting Rivers" by the student teams" (20 minutes each)
- 16:30 – 17:00 Prize Award Ceremony of the winner teams.

17:00–17:15 General conclusions