**Short PhD Mediterranean School – 3rd edition**

***“From sustainable to regenerative and resilient design”***

**ACTIVITY A**

**Description:** This activity represents a competition among groups for the best 3-pages research proposal in response to an open Horizon Europe call. The PhD students will be grouped in squads of maximum 4 people each (promoting the multidisciplinarity of cultural backgrounds) and will work on the tasks of the activity out of the PhD School lecture time schedule. The activity will be coordinated and evaluated by a panel, which is formed by 4 professors representative of the main four thematic areas of the Department (i.e., building engineering and architecture, geotechnical and geological engineering, hydraulics and environmental engineering, and transportation engineering). The activity is scheduled as reported below.

1. **Monday October 10th 2022, 4.45 pm - 5.45 pm (CET)** – The panel members will initially introduce themselves and show the list of groups and group components to the PhD students participating in the activity. Moreover, the implementation of the activity (e.g. online platform to be used for interacting with the panel members, Horizon Europe calls to be considered, templates to be used for research proposal and flash presentation, deadlines, etc…) and the evaluation criteria will be illustrated. All PhD students participating will be asked to submit their research proposal by Thursday October 13th 2022 at 2pm (CET).
2. **Thursday October 13th 2022, 2.45 pm - 5.45 pm (CET)** – Once submitted the 3-pages research proposal, each group will have the possibility to show its ideas within a 5-min *flash presentation*. At the end of all presentations, the panel will collegially start the evaluation of the research projects, based on the evaluation criteria previously defined, and assign a score from 0 to 20 (*evaluation stage I*). This initial score will permit to draw up a first ranking and only the first 5 groups will be accepted to the *evaluation stage II*, which consists in a long presentation (i.e. 10 or 15 minutes for each group) of the research proposal. In case the number of the participating groups is equal or lower than 5, all groups will be automatically accepted to the *evaluation phase II*.
3. **Saturday October 15th 2022, 9.00 am - 11.00 am (CET)** – The groups ranked in the first 5 positions after the *evaluation stage I* will present their research project in 10-15 minutes. Each group can decide whether the presentation will given by a single person or more persons. Once completed the round of presentations, the panel will proceed with their evaluation mainly in terms of communication skills and impacts of the research proposal. At this stage, a score ranging between 0 and 10 will be assigned. The final classification will be then drawn up based on the total score obtained in both evaluation stages.
4. **Saturday October 15th 2022, 11.00 am (CET)** – During the final ceremony event, the winning group will be proclaimed and will be awarded a prize of 3,000 euros to be split among the group components. The group ranked as second will be awarded a prize of 1,500 euro to be split among the group components.

**ACTIVITY B**

**Description:** In this activity, the Ph.D. students are invited to present the research activities conducted in their own academic institutions within a competition in which the first 5 best presentations (each one lasting a maximum of 10-15 minutes according to the number of received applications) will be selected for a reward.

To attend the competition the Ph.D. students will preliminarily send an overview of their research activities (following the template proposed), which will be evaluated by a committee of four researchers, each one representing the four thematic areas of the Department (i.e., building engineering and architecture, geotechnical and geological engineering, hydraulics and environmental engineering, and transportation engineering). The candidate applications have to be sent by 2022 September 3rd and, after this deadline, the committee will select a maximum number of ***20*** applications (preferably from developing countries within the Mediterranean area) to present their work through an oral presentation. If the number of applications will result less than the maximum number of candidates, all participants will be automatically admitted to the oral presentation.

The competition will be held on Friday October 14th 2022, from 9:00 am to 13:00 am (CET). After the 10-15 minutes to illustrate the main results of his/her Ph.D. research, each candidate will reply to some questions posed by the committee. All Ph.D. students admitted to the oral presentation will receive a reward of 500 euros if they will attend the competition in presence. The competition is allowed also to Ph.D. students presenting their activities remotely, via an online presentation. However, in this case, no financial support will be given. At the end of the competition, after the committee evaluation, the first five presentations will be selected for an award of 500 euros among all participants (in presence or online).

**ACTIVITY C**

**Description:** In this activity a group of technicians, researchers and professors of the Department will illustrate the facilities and equipment of the ResiLAB laboratory.

This laboratory represents the cutting-edge facilities to monitor the impact of human activities on hydrological and environmental resources, soil instabilities and sustainable mobility, and has been granted by national funding to award Italian universities showing “Excellence in Research”. The students will be divided in groups according to their main interests and a group of the Department will show them the details and the potentialities of the new equipment (including 3D printer, drones and laser scanner). This activity will take place on Friday the 14th October 2022, from 2:45 am to 5:45 am.