Geophysical Research Abstracts Vol. 17, EGU2015-15854, 2015 EGU General Assembly 2015 © Author(s) 2015. CC Attribution 3.0 License.



## Water, soil and soccer: an experience of two years promoting humanistic competences and standardization of curricula

Feliciana Licciardello (1), Simona Consoli (1), Guillermo Izquierdo (2), Sebastián Parraguirre (2), María J Pérez-Palazón (2), Rafael Pimentel (2), María J Polo (2), and Encarnación V Taguas (2)

(1) University of Catania, Department of Agri-Food and Environmental Systems Management (DiGeSA), Italy , (2) University of Cordoba, ETSIAM, Córdoba (Spain)

We present an experience of two years where a group of professors of University in Catania (Italy) and the University of Cordoba (Spain) created a practical case about hydrological planning in the context of similar subjects. The proposed work had to be solved and presented by teams of two students who competed following the philosophy of soccer leagues (national and champion). In the final match, the best teams of each country "played" and defended their work which was judged by an international committee of professors. The presentation and defense was carried out through videoconference so the fans in each country could support their teams. The winners in each country received a certificate of both Universities and the participation in the EGU Assembly 2014 and 2015 as coauthors of the present work.

The objective of the practical case is the calculation of design peak flow for a rainfall quantile in a rural catchment following the Curve Number method developed by the Soil Conservation Service (1972.) This type of study implies different disciplines of Hydrology and Soil Sciences and the use of Geographic Information Systems and calculation and programming tools which is very useful to improve the students' technical skills. As for humanistic skills, an oral presentation in English allows improving their knowledge in foreign languages and to face a challenging experience which can be compared with an interview for a job.

This teaching experience was very motivating for the students and the professors involved. The results of surveys done by the students indicated the improvement of the level of knowledge about hydrological engineering projects as well as the interest in managing water resources. This type of experience can be useful for other subjects or can integrate more teaching centres.

## **REFERENCES:**

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Acknowledment: Proyecto de Innovación Docente – Teaching Innovation Projects of University of Cordoba (2014): "Adquisición de competencias técnicas y humanísticas y estandarización internacional de currículos en la enseñanza de proyectos de ingeniería rural: llevando la pasión por el fútbol a casos prácticos de Hidrología".