

**Giovedì 30 maggio 2019** alle ore **14:00** nell'aula 1P del DICAM (Via Mesiano 77) il prof. **Riccardo Valentini** (Università della Tuscia, Viterbo) terrà un seminario sul tema:

**"Biosphere-atmosphere interactions in a climate change perspective: the application of IoT technologies for environmental monitoring"**

Abstract

The rapid development of IoT technologies is nowadays a unique opportunity to increase the environmental monitoring capacity with low cost technologies. The atmosphere-vegetation interaction is getting seriously compromised by the rapid changes in weather and climate both at local, regional and global scales. We developed a TreeTalker© sensor which allows the real time monitoring of a series of variables at tree level (water transport, radiation, diameter growth) and can potentially be expanded to acquire an almost unlimited series of environmental variables. The large amount of collected data can be transmitted with wireless technology besides being easily implemented in prediction models.

Il seminario è offerto nell'ambito del corso di laurea magistrale in Environmental Meteorology, ma tutti gli interessati sono benvenuti.

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