

## Curriculum vitae

Alessandro Messeri

University of Florence-Department of Agrifood Production and Environmental Sciences-CIBIC (Center of Bioclimatology)

### Educational background:

**2009** PhD in “Systems and pastoral livestock forage for sustainable land use and quality of products”

**2005** Professional qualification to exercise of Agronomy and Forestry

**2004** Bachelor's degree in Forestry at the University of Florence

**1997** Scientific high school degree

### Professional experiences:

**2009-2010** Fellowship at the “Centro Interdipartimentale di Ricerca sulla Selvaggina e sui Miglioramenti Ambientali a Fini Faunistici”(CIRSeMAF)”

**2011-present** Fellowship at the “Department of Agrifood Production and Environmental Sciences”-CIBIC (Center of Bioclimatology)

His research focuses on different aspects of Biometeorology and bioclimatology. His research examines the relationship between some meteorological parameters and human health. In particular, he studied the relationship between climatic conditions and hospital admissions, taking into account the effect of single meteorological variables on human health, using bioclimatic indices and models of energy balance. In particular, he evaluated the effectiveness of the main biometeorological indices internationally used for the assessment of potential comfort or discomfort conditions in different environments. The results represent the basis for the creation of a biometeorological and bioclimatological information system in support of the health professions and population. Since 2010 biometeorological daily bulletins are sent out to inform the population of potential health risk conditions. The research also focuses on the biometeorological area with particular reference to the urban environment and to the role of vegetation in mitigation of urban heat islands. Doctor Messeri participated in many national and international conferences and seminars to explain the results of his projects.

### HEAT-SHIELD specific informations:

As a researcher of the “Department of Agrifood Production and Environmental Sciences-University of Florence” that have an important role in the HeatShield project, especially in WP5, I'd like to I'd like to increase my experience in the research of the heat effect on the health of at risk groups (workers). In particular, the exchange of ideas with research groups who face the same scientific issues but from different points of view, for me it is very exciting.

From a scientific point of view, my activities will be focused in particular on the lookout for existing occupational heat alert system and this will form the basis for the creation of a specific occupational heat alert system for the Europe. In addition, I will be involved in some case studies that will be performed in agricultural and constructional sectors to evaluate the loss of productivity of workers due to warm during the summer season.

