

## **Curriculum Vitae:**

Simone Orlandini  
Department of Agrifood Production and Environmental Sciences  
University of Florence  
E-mail: [simone.orlandini@unifi.it](mailto:simone.orlandini@unifi.it)



### Educational background:

**1994** PhD in Agrometeorology at the University of Sassari.  
**1989** Master in Agricultural Sciences at the University of Florence

### Professional experiences:

2014-present, Director Centre of Bioclimatology, University of Florence, Italy.  
2011-present, Full Professor at Department of Agrifood Production and Environmental Sciences, University of Florence, Italy.  
2002-2011, Associate Professor at Department of Crop Production and Environmental Sciences, University of Florence, Italy.  
1999-2002, Researcher at Department of Agronomy and Soil Science, University of Florence, Italy.  
1997-1999, Researcher at Institute of Biometeorology, National Research Council, Florence, Italy.

My main research area relates the effects of meteorological conditions on human health, as well as the wellbeing situation due to thermal patterns. Respiratory, cardiovascular, blood pressure, allergy have been taken into account. The use of modelling and generally the application of computer science has been strengthened, to develop decision support systems for environmental and system planning and management. Climate change and variability has been studied, analyzing trend, vulnerability, mitigation and adaptation strategies, and impacts.

### **HEAT-SHIELD specific informations:**

As responsible of UNIFI activities, I am involved in activities related to screening and optimization of various solutions to mitigate heat stress of workers engaged in sectors such as tourism, transportation, manufacturing, construction and agriculture. This activity also includes the development of a "humanoid robot" for biometeorological evaluations, and laboratory tests and field tests for the identification of strategies to mitigate heat stress.