



# AF3 FOREST FIRE MODELS WORKSHOP

## Rome, ISA 22 - June 2017



*The purpose of the conference, organized in the framework of the FP7-EU funded project AF3, is to provide an updated picture of the situation of forest fire simulation, in light of the constant evolution of technologies and methodologies adopted in the specific field. The articulation of the meeting, which will focus on the Mediterranean area, includes sessions dedicated to input data, models, research and training, with the scope to describe the activities that the AF3 project and CNVVF are developing on the specific theme of forest fire modeling.*

### 09:30 Introduction

Authorities - Welcome

Dr. Stefano Scafe (Leonardo) - AF3 Project and fire modelling

### Using meaningful data in prevention and firefighting operations

9:50 Dr. Edyta Wozniak (Polish Academy of Sciences) - Satellite mapping of vegetation

10:10 Prof. Marco Piras (Politecnico di Torino - IT) - GIS technologies support to forest fire simulation

10:30 Dr. Eng. Christophe Bouillion (IRSTEA) - Rural-urban interface mapping and improvement of forest fire prevention and preparedness

10:50 Dr. Maurizio Giovannini (Leonardo) - Forest Fire simulator to enhance firefighters training

### Modelling

11:30 Prof. Stefano Mazzoleni (Università di Napoli Federico II - IT) - The heritage of the Fire Paradox project: Tiger propagation models as training and prevention tools

11:50 Prof. Fabrizio Ferrucci (Open University - UK; Università della Calabria - IT) - Territorial fires and satellite early warning: the TALED project

12:10 Dr. Davide Ascoli (Università di Napoli Federico II - IT) - Forest fire models validation

12:30 Prof. David Caballero (Universidad Politécnica de Madrid - ES) - Wildland urban interface fires in the mediterranean area

12:50 Dr. Paolo Fiorucci (Fondazione Cima - IT) Propagator - A system for the quick probability assessment of the evolution of a forest fire

### Break

### Research and Training

14:00 Dr. Lucia Russo (CNR - Combustion Research Institute- IT) -A theoretical approach for the spatial distribution of fire breaks in heterogeneous forest landscapes for the control of wildland fires

14:20 Dr. Eng Carlo Metelli (CNVVF- IT) - IGNIS project: common rules in training activities

14:40 Dr. Paolo Battelli (Regione Toscana) - Planning and innovation for forest firefighting in Tuscany

15:30 Conclusions