



Workshop

The Vaia storm: taking stock and looking ahead

On October 29th, 2018, the Vaia storm and flood event hit North-Eastern Italy, causing major damages to society, forests and infrastructures. With a damage of more than 8 million cubic meters of standing trees and, more importantly, the sudden reduction of forest-related ecosystem services, including protection against landslides, avalanches and floods, maintenance of cultural values, the storm had regionally unprecedented consequences. The Workshop, organised by the Department of Land, Environment, Agriculture and Forestry (TESAF) of the University of Padova, will assist in stock-taking efforts and analyse hydro-meteorological and climate-related aspects of the Vaia storm, and will provide a forum for the discussion on forest risks and climate change. The Workshop will also present the recently launched Research Project “VAIA - FROm lessons learNT to future options: VAIA FRONT”, a 2-year research project funded by the Department TESAF of the University of Padova.

Aula Magna, Campus of Agripolis, Legnaro (PD) Wednesday October 30th 2019

9:00-9:15	Vincenzo D'Agostino <i>Dept. TESAF, University of Padova, Italy</i>	Welcome address
9:15-10:45 Chairperson Emanuele Lingua	Silvio Davolio <i>ISAC-CNR, Bologna, Italy</i>	Meteorological aspects of the Vaia storm: forcing mechanisms, predictability and atmospheric rivers
	Marco Borga <i>Dept. TESAF, University of Padova, Italy</i>	Climate change and impacts on flood and landslide hazards: the Vaia storm
	Barry Gardiner <i>EFI, France</i>	Predicting the risk of wind damage to multiple forest types in a changing climate
10:45-11:00	<i>discussion</i>	
11:00-12:30 Chairperson Laura Secco	Peter Bebi WSL, Switzerland	Protection against natural hazards on windthrow areas: experiences from Switzerland.
	Kristina Blennow <i>Swedish University of Agricultural Sciences, Sweden</i>	Experiences from the Gudrun storm in Sweden and opportunities for evidence-based communications on climate change and forests
	Raffaele Cavalli <i>Dept. TESAF University of Padova, Italy</i>	The VAIA-FRONT research project: challenges and prospects