

Forest Fires and Climate Change – the Italian Law 353/00 to address economical speculation, portal security, data analysis

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SUMMARY

Climate Change, as defined by the United Nations, is a long-term changing of temperature and meteorological models, which may happen either in a natural way or due to human actions, such as combustion of oil, gas, and carbon. Deforestation increases carbon dioxide emissions while landfills are more responsible for natural gas emission. Moreso, energy production, factory, transportation, construction industry and agriculture are equally responsible on greenhouse gas emissions.

In this era and context, the consequences of climate change have been most notable and frequent in various areas of the globe, and may include drought, sea level rise, floods, polar glaciers melting, intense storms and typhoons, and wildfires. Their effects are not just on earth but also affect the world's inhabitants. In fact, if we maintain indifference towards this phenomenon, climate refugees will drastically increase in the near future.

The Mediterranean region is vulnerable and susceptible to climate change. In the last decade, temperatures are at their all time high, causing drought while precipitation changes in intensity and frequency.

Italy particularly, saw an alarming increase in wildfires and forest fires resulting in the destruction of the local flora and fauna, the destabilization of the natural ecosystem, and and the production of relevant economic damage. In the 2022, the Ecomafia 2022 report, analyzed the relation of environmental crime with climate change, particularly with arson-induced forest fires.

Our paper will tackle the Law 353/00 or the "Framework Law on Forest Fires" by the Italian government, its application and its limitations. Moreover, this will include the "Provisions to Combat Forest Fires and Other Urgent Civil Protection Measures" promulgated through Law of

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November 8 2021 the creation of the 2022 Forest Fire geoportal by the Forestry, Environmental and Agri-food Unit Command of the Carabinieri, and how such geospatial instrument can facilitate monitoring and prevention of environmental crime and the territory as a whole.

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