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| Acronym     | CAEFD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Full Title  | Carbon loss and recovery Assessment in European Forest Disturbances                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Partner(s)  | R.D.M. Progetti S.r.l. Italy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Grant Theme | Characterization of European forest disturbances                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Start Date  | May 2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Duration    | 24 months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Description | <p>FORWARDS aims to prototype the ForestWard Observatory, a European initiative designed to monitor climate change impacts on forests, supporting decision-making at both strategic and operational levels. At the European and national scale, the project focuses on assessing forest disturbances, future risks, and vulnerabilities to guide forest conservation efforts. A key objective is the timely quantification and characterization of carbon loss due to disturbances and recovery, providing critical statistics to inform climate change responses and forest management strategies.</p> <p>The primary goal of CAEFD is to create a comprehensive, open-access European forest disturbance reference dataset, based on ground data, that highlights the effects of disturbances in Northern Europe over the past decades. This dataset will be combined with remote sensing data to assess carbon loss from disturbances and recovery. By utilizing satellite-based remote sensing, within FORWARDS new tools and frameworks are developed to quantify changes in forest carbon dynamics.</p> <p>A significant strength of the project lies in leveraging prior knowledge, particularly in its use of a dataset from a previous grant (G-06-2023), which includes 5,500 forest disturbance samples from Northern Europe. This dataset guides the selection of field survey areas, ensuring they focus on the most disturbed forests across diverse years and forest types. This targeted approach optimizes field survey efforts and enhances data collection. Ultimately, the project aims to contribute valuable data and tools to the ForestWard Observatory, advancing forest management and climate response strategies across Europe.</p> |

