

Preface

The *Guidelines for Climate Adaptive Forest Restoration and Reforestation Projects* is the result of the coordinated work of a large, diverse group of researchers, experts, practitioners, and academics, of different ages and from 37 countries. This group, and the work behind this book, is rooted in the PEN-CAFoRR (Pan-European Network for Climate Adaptive Forest Restoration and Reforestation), a COST Action (CA19128) supported by COST (European Cooperation in Science and Technology). A large network of 167 members from 37 countries worked together over a four-year COST Action lifetime to address key questions for climate adaptive forest restoration and reforestation success. These research questions, which shaped the organization of the network in appropriate working groups (WGs), are (1) setting the goals (WG1—*Aiming at Goal!*); (2) selecting the best forest reproductive material (WG2—*Facing the changes!*); (3) determining the appropriate attributes and methods to produce FRM (WG3—*Quality matters!*); (4) applying the best forest establishment techniques and developing of post-planting protection and silviculture (WG4—*Planting for the future!*).

This book addresses the same questions, and although it is organized in 11 chapters, it follows a similar pattern. Although PEN-CAFoRR was focused mainly on Europe, however, the network, and this book, provides much wider knowledge and experience collected from across the world. The book structure was planned in a workshop held in January 2024 on Lake Como (Italy) by a larger group of potential authors. The book was written by 130 authors over 18 months. Thanks to the authors, chapter leading authors, and chapter editors, a large amount of quality material was produced, making this book valuable for both researchers and practitioners. For the core group of editors, working on this book was an enjoyable journey of cooperation and positive energy, spiced by much tolerance and understanding. Thanks to the editorial effort of John Stanturf, this book is not a simple collection of chapters but rather a compilation of information organized as a story of best practices in forest restoration and regeneration efforts, and the mixture of global and local knowledge, experience, and standing points gives a special flavor to this book. Thanks to the immense coordinating effort of Pedro Villar Salvador, [Chapter 11](#) adds significant value to this book, which we editors like to call a compendium of the best practices in production and use of forest reproductive material of more than 41 major forest tree species. Thanks to the valued effort and guiding hands of Barbara Mariotti, the whole process of production of this book came to its

successful end. To our intended audience of forestry and nursery practitioners, policy makers, and students, we hope you find this book valuable in your efforts to adapt our forests to an uncertain future.

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