Record Nr. UNINA9910733718003321 Impact of Agriculture on Soil Degradation II: A European Perspective // **Titolo** edited by Paulo Pereira, Miriam Muñoz-Rojas, Igor Bogunovic, Wenwu Zhao Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2023 **ISBN** 9783031320521 9783031320514 Edizione [1st ed. 2023.] Descrizione fisica 1 online resource (356 pages) Collana The Handbook of Environmental Chemistry, , 1616-864X;; 121 Disciplina 631.45 Soggetti **Environmental chemistry** Agriculture Soil science Environmental geography Environmental monitoring **Environmental management Environmental Chemistry** Soil Science Integrated Geography **Environmental Monitoring Environmental Management** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references. Nota di contenuto Chapter 1 Agricultural Soil Degradation in Croatia -- Chapter 2 Agricultural Land Degradation in the Czech Republic -- Chapter 3 Agricultural Soil Degradation in Estonia, Latvia and Lithuania --Chapter 4 Agricultural Soil Degradation in Germany -- Chapter 5 Agricultural Land Degradation in Portugal and Greece -- Chapter 6 Agricultural Soil Degradation in Hungary -- Chapter 7 Agricultural Land Degradation in Iceland -- Chapter 8 Agricultural Land Degradation in

Italy -- Chapter 9 Agricultural Land Degradation in Slovenia -- Chapter 10 Agricultural Land Degradation in Spain -- Chapter 11 Agricultural

Land Degradation in Sweden -- Chapter 12 Agricultural Soil Degradation in Ukraine.

Sommario/riassunto

This is the second of two volumes that together provide a global overview of the impact of agriculture on soil degradation, tracing the most critical drivers like the use and abuse of agrochemicals, mechanization, overgrazing, irrigation, slash and burn agriculture, and the use of plastics. Soil degradation caused by agriculture practices is a complex issue which depends on the interaction of social, economic, political, and environmental aspects. In this book, expert contributors elucidate the extension of the effects of agriculture on soil degradation in Europe, a continent with different cultures and political backgrounds that affect agricultural practices. Readers will also find in this book authoritative solutions to minimize the effects of agriculture intensification and land-use in this continent. Divided into 12 chapters. the book offers a European perspective on soil quality and sustainable management, including case studies about the impact of chemical agents like fertilizers, herbicides, pesticides, and soil acidification and microplastics pollution in agriculture practices from countries such as Croatia, Czech Republic, Estonia, Latvia and Lithuania, Germany, Portugal and Greece, Hungary, Iceland, Italy, Slovenia, Spain, Sweden, and Ukraine. Given the breadth and depth of its coverage, the book offers an invaluable source of information for researchers, students and environmental managers alike. Chapter "Agricultural Land Degradation in the Czech Republic" is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com. .