



The main aim of the [RE CARE project](#) is to develop and share effective solutions to prevent, remediate and restore our soils across Europe.

Our aim for the Hub is to provide information and guidance to help practitioners, researchers, policy-makers and the wider public to learn about the threats to our soils and measures to prevent and remediate against soil degradation.

If you are **interested in learning about specific soil threats**, you may find it helpful to start on the [Soil Threats pages](#). If you are interested in more **detailed guidance** for assessing soil degradation or learning about management measures to prevent and remediate against soil degradation, these are provided under [Tools and Resources](#).

RE CARE Tools and Resources

- [Project Reports](#)
- [RE CARE experiments](#)
- [Fact Sheets](#)
- [Publication Trees](#)
- [Scientific journal articles](#)
- [Resources for Schools](#)
- [Integrated Assessment Model](#)
- [Other General Resources](#)

See also RE CARE soil threats publications map (<http://www.recare-hub.eu/tools-and-outputs/publication-trees/soil-threat-publications-map>)

In addition to the various academic texts provided within this section, a variety of other resources are listed below, for adults and children, both fiction and non-fiction.

Non-Fiction

Sir E John Russell (1957) [The World of the Soil](#)

John Stewart Collis (1973) [The Worm Forgives the Plough](#)

Vernon Gill Carter & Tom Dale (1975) [Topsoil and Civilisation](#)

Daniel Hillel (1992) [Out of the Earth: Civilization and the Life of the Soil](#)

David W Wolfe (2002) [Tales From The Underground: A Natural History of Subterranean Life](#)

Alastair McIntosh (2004) [Soil and Soul: People versus Corporate Power](#)

Jennifer Wallace (2004) [Digging the Dirt: The Archaeological Imagination](#)

Yvonne Baskin (2006) [Under Ground: How Creatures of Mud and Dirt Shape Our World](#)

William Bryant Logan (2007) [Dirt: The Ecstatic Skin of the Earth](#)

David R Montgomery (2007) [Dirt: The Erosion of Civilizations](#)

Vandana Shiva (2008) [Soil Not Oil: Climate Change, Peak Oil and Food Insecurity](#)

Lierre Kieth (2010) [The Vegetarian Myth](#)

Edward R Landa & Christian Feller, eds. (2010) [Soil and Culture](#)

Amy Stewart (2012) [The Earth Moved: On the Remarkable Achievements of Earthworms](#)

Satish Kumar (2013) [Soil, Soul, Society: A New Trinity for Our Time](#)

Kristin Ohlson (2014) [The Soil Will Save Use: How Scientists, Farmers, and Foodies Are Healing the Soil to Save the Planet](#)

Paul B Thompson (2017) [The Spirit of the Soil: Agriculture and Environmental Ethics](#)

Maria Munoz & Raúl Zornoza, Eds. (2017) [Soil Management and Climate Change](#)

Massy, C (2017) [Call of the Reed Warbler: A new agriculture, a new earth](#)

Rattan Lal & B. A. Stewart, Eds. (2018) [Urban Soils](#)

Montgomery, D, R (2018) [Growing a revolution: Bringing our soil back to life](#)

Fiction

Knut Hamsun (1921, 2007) [The Growth of the Soil](#)

John Steinbeck (1939, 2006) [The Grapes of Wrath](#)

DVDs/Documentaries

[Soil Ecology Claymation Films](#) (2017) Maxwell Helmberger

[Dirt: The Movie](#) (2007) Bill Logan, Paul Stamets

[The Real Dirt on Farmer John](#) (2005) Taggart Siegel

[Dirtgirlworld - Grow!](#) (2010) Cate McQuillen, Maree Lowes

[Permaculture Soils](#) (2010) Geoff Lawton

[Symphony of the Soil](#) (2013) Deborah Koons

[Sustainable](#) (2016) Matt Wechsler

[Heart and Soil](#) (2008) Mara LeGrand

[A Farm for the Future](#) (2009) BBC/Rebecca Hosking

[Deep Down and Dirty - The Science of Soil](#) (2014) BBC

[The Birth of the Soil](#) (1948) Encyclopaedia Britannica Films

[The Plow that Broke the Plains](#) (1936) Pare Lorentz

Children's Books

Doreen Cronin (2012) [Diary of a Worm](#)

Steve Tomecek (2002) [Dirt \(Jump into Science\)](#)

Raymond Bial (2000) [A Handful of Dirt](#)

Melissa Stewart (2004) [Down to Earth \(Investigate Science\)](#)

Gary Larson (2008) [There's a Hair in my Dirt](#)

Maps

Food and Agriculture Organisation of the United Nations - [Regional and National Soil Maps and Datasets](#)

UK Soil Observatory - [UK Soil Maps](#)

GIS Sol - [French Soil Maps](#)

Other Documents, Journals, Books & References

[Saving the Earth: A sustainable future for soils and water](#) (2018) WWF-UK; The Rivers Trust; Angling Trust

[Providing support in relation to the implementation of the EU Soil Thematic Strategy - Mapping and Assessment of Ecosystems and their Services Soil ecosystems](#) (2018) van der Meulen, S & Maring, L; Report Prepared for European Commission DG Environment.

[A systemic approach for modeling soil functions](#) (2018) Vogel, HJ et al, SOIL, 4, 83-92

[Soil fertility after 10 years of conservation tillage in organic farming](#) (2018) Peigné, J et al, Soil and Tillage Research, 175, 194-204

[Microplastics as an emerging threat to terrestrial ecosystems](#) (2017) Anderson, A, M, et al; Global Change Biology, 24, 4, 1405-1416

[Global Sequestration Potential of Increased Organic Carbon in Cropland Soils](#) (2017) Zomer, R. J, et al, Scientific Reports, 7

[Detecting macroecological patterns in bacterial communities across independent studies of global soils](#) (2017) Ramirez, K, S, et al, Nature Microbiology

[Soil conservation in the 21st century: why we need smart agricultural intensification](#) (2017) Govers, G et al; SOIL, 3, 45-59

[The Global Land Outlook 1st Ed.](#) (2017) UNCCD

[Long-term pattern and magnitude of soil carbon feedback to the climate system in a warming world](#) (2017) Melillo, J. M. et al, *Science*; 358, 6359, 101-105

[Adding organic matter to soil has a limited effect on water holding capacity](#) (2017) Minasny, B. Mcbratney, A. B. *European Journal of Soil Science*

[Bacterial Communities on Wheat Grown Under Long-Term Conventional Tillage and No-Till in the Pacific Northwest of the United States](#) (2017) Yin, C; Mueth, N & Hulbert, S; *Phyto Biomes Journal*; 1, 2

[Turning Soils into Sponges: How Farmers can Fight Floods and Droughts](#) (2017) Union of Concerned Scientists

[World's soils are under threat](#) (2016) Montanarella, L et al; *SOIL*, 2, 79-82

[Revised World Soil Charter](#) (2015) UN FAO (available in English, Spanish, Russian, Chinese, Arabic, French)

The Economics of Land Degradation - [The Value of Land: Prosperous lands and positive rewards through sustainable land management](#) (2015)

[Global research on soil contamination from 1999 to 2012: A bibliometric analysis](#) (2014) K. Guoa, Y.F. Liua, C. Zengb, Y.Y. Chena, and X.J. Weia; *Acta Agriculturae Scandinavica, Section B — Soil & Plant Science*

[Do Current European Policies Prevent Soil Threats and Support Soil Functions?](#) (2014) Glæsner, N; Helming, K; de Vries, W; *Sustainability*

[Soil Contamination: Impacts on Human Health](#) (2013) Science for Environment Policy - European Commission

[Early soil knowledge and the birth and development of soil science](#) (2010) Brevika, E. Hartemink, A. *CATENA*; 83, 1

University of Minnesota Extension - [Soil management and health](#)

[Soil Science Society of America Journal](#) - Official journal of Soil Science Society of America - Published bimonthly

[Journal of Soils and Sediments](#)

[European Journal of Soil Science](#)

[European Journal of Soil Biology](#)

[Soil Biology and Biochemistry \(Journal\)](#)

[Soil Use and Management \(Journal\)](#)

[Plant and Soil \(Journal\)](#)

AHDB - [Soils Management](#): A large collection of resources, such as videos and information sheet

[Direct Driller](#) - New magazine to inform about direct drill & no-till. [Issue one](#)