

Table S1, list of the reviewed sources dealing with discourses of rewilding and fire. Sources are ordered by date and alphabetical order. The table also shows the principal geographical context for each source. Sources can focus on specific locations, countries and/or biomes, can have a global setting or can have no specified context at all. The ‘discourse’ column describes the way in which the sources explicitly or implicitly conceptualise the role of fire in rewilding (A = *Fire as an ecosystem process to be (re)introduced through rewilding*; B = *Fire as a socioecological risk to be averted through rewilding*; C = *Fire as a potential hazard brought by rewilding, requiring management*; D = *Fire as a beneficial landscape management strategy which is put at risk by rewilding*; and ‘other’). Please note sources can include multiple notions of the role of fire in rewilding within different lines of argument, or can include elements from more than one of these conceptualisations (see rows labelled with more than one letter).

SOURCE	TITLE	LOCATION	DISCOURSE
Hötchl <i>et al.</i> , 2005	<i>“Wilderness”</i> : what it means when it becomes a reality—a case study from the southwestern Alps	Val Grande National Park and Strona Valley; Italy	C
Fuhlendorf <i>et al.</i> , 2009	<i>Pyric Herbivory: Rewilding Landscapes through the Recoupling of Fire and Grazing.</i>	Tallgrass Prairie National Preserve; USA	A
Atkinson, 2009	<i>Shared Visions, Shared Wildernesses: Wilderness Conservation in the Grasslands of Southern Saskatchewan</i>	Grasslands of Southern Saskatchewan; Canada	other
Lockwood, 2010	<i>The fate of the Rocky Mountain locust, <i>Melanoplus spretus</i> Walsh: implications for conservation biology</i>	Rocky Mountains; Canada, USA, Mexico	A other
Ingram, 2010	<i>Vital Signs</i>	-	other
Navarro & Pereira, 2012	<i>Rewilding Abandoned Landscapes in Europe</i>	EUROPE	AC
Reed <i>et al.</i> , 2013	<i>Anticipating and Managing Future Trade-offs and Complementarities between Ecosystem Services</i>	Peak District National Park, UK	CD
Cromsight & te Beest, 2015	<i>Restoration of a megaherbivore: landscape-level impacts of white rhinoceros in Kruger National Park, South Africa</i>	Kruger National Park, South Africa	B
Hearn <i>et al.</i> , 2014	<i>The cultural and land use implications of the reappearance of the wild boar in North West Italy: A case study of the Val di Vara</i>	Val di Vara, Italy	C
Acha & Newing, 2015	<i>Cork Oak Landscapes, Promised or Compromised Lands? A Case Study of a Traditional Cultural Landscape in Southern Spain</i>	Berrocal, Spain	C
Ceașu <i>et al.</i> , 2015	<i>Mapping opportunities and challenges for rewilding in Europe</i>	EUROPE	other
Lasanta <i>et al.</i> , 2015	<i>Managing abandoned farmland to control the impact of re-vegetation on the environment. The state of the art in Europe.</i>	EUROPE	C
Linnell <i>et al.</i> , 2015	<i>Framing the relationship between people and nature in the context of European conservation</i>	EUROPE	D
Lorimer <i>et al.</i> , 2015	<i>Rewilding: Science, Practice, and Politics</i>	WORLDWIDE	AD
Moorhouse & Sandom, 2015	<i>Conservation and the problem with ‘natural’ — does rewilding hold the answer?</i>	UK	A

Calviño-Cancela <i>et al.</i> , 2016	<i>Wildfire risk associated with different vegetation types within and outside wildland-urban interfaces</i>	Galicia, Spain	B
Catterall, 2016	<i>Roles of non-native species in large-scale regeneration of moist tropical forests on anthropogenic grassland</i>	NE Uplands, Australia , MOIST TROPICS	B
Corlett, 2016	<i>The Role of Rewilding in Landscape Design for Conservation</i>	-	C
Davies <i>et al.</i> , 2016	<i>Informed debate on the use of fire for peatland management means acknowledging the complexity of socio-ecological systems</i>	British Uplands, UK	D
Gazzard <i>et al.</i> , 2016	<i>Wildfire policy and management in England: an evolving response from Fire and Rescue Services, forestry and cross-sector groups</i>	UK	C
Nogués-Bravo <i>et al.</i> , 2016	<i>Rewilding is the new Pandora's box in conservation</i>	WORLDWIDE	C
Regos <i>et al.</i> , 2016	<i>Rural abandoned landscapes and bird assemblages: winners and losers in the rewilding of a marginal mountain area (NW Spain).</i>	Baixa Limia-Serra do Xurés Natural Park, Spain	C
Root-Bernstein & Svenning, 2016	<i>Prospects for rewilding with camelids</i>	WORLDWIDE	B
Schepers & Jepson, 2016	<i>Rewilding in a European Context</i>	EUROPE	A
Sil <i>et al.</i> , 2016	<i>Trade-offs and Synergies Between Provisioning and Regulating Ecosystem Services in a Mountain Area in Portugal Affected by Landscape Change</i>	Sabor River Basin, Portugal	C
Fernández <i>et al.</i> , 2017	<i>Rewilding: A Call for Boosting Ecological Complexity in Conservation</i>	-	A
Hawkins <i>et al.</i> , 2017	<i>Does Holistic Planned Grazing™ work on native rangelands?</i>	South Africa	other
Li <i>et al.</i> , 2017	<i>Spatial variability of fluvial blanket peat erosion rates for the 21st Century modelled using PESERA-PEAT</i>	North Pennines, UK	B
Lundgren <i>et al.</i> , 2017	<i>Introduced megafauna are rewilding the Anthropocene</i>	WORLDWIDE	B
Murray, 2017	<i>Wild pathways of inclusive conservation</i>	-	A
Prior & Brady, 2017	<i>Environmental Aesthetics and Rewilding</i>	-	A
Serrano-Montes <i>et al.</i> , 2017	<i>El resilvestramiento y el retorno de la fauna: enfoques, experiencias e implicaciones paisajísticas</i>	WORLDWIDE	BC
Venter <i>et al.</i> , 2017	<i>Implications of historical interactions between herbivory and fire for rangeland management in African savannas</i>	AFRICAN SAVANNAS	AB
Bakker & Svenning, 2018	<i>Trophic rewilding: impact on ecosystems under global change</i>	WORLDWIDE	B
Bliege Bird & Nimo, 2018	<i>Restore the lost ecological functions of people</i>	Western Desert, Australia	D
Cromsigt <i>et al.</i> , 2018	<i>Trophic rewilding as a climate change mitigation strategy?</i>	WORLDWIDE	B
Derham <i>et al.</i> , 2018	<i>Hope and caution: rewilding to mitigate the impacts of biological invasions</i>	WORLDWIDE	B
Fernández-Manjarrés <i>et al.</i> , 2018	<i>Forest Adaptation to Climate Change along Steep Ecological Gradients: The Case of the Mediterranean-Temperate Transition in South-Western Europe</i>	South-Western Europe, Portugal, Spain, France	C
Freitag <i>et al.</i> , 2018	<i>Post-Soviet shifts in grazing and fire regimes changed the functional plant community composition on the Eurasian steppe</i>	Eurasian steppe, Kazakhstan	BC

Fuhlendorf <i>et al.</i> , 2018	<i>Perspectives on grassland conservation efforts: should we rewild to the past or conserve for the future?</i>	NORTH AMERICAN GRASSLANDS US	A
García-Barón <i>et al.</i> , 2018	<i>How to fit the distribution of apex scavengers into land-abandonment scenarios? The Cinereous vulture in the Mediterranean biome</i>	Iberian Peninsula, Spain, Portugal	C
Jarvie & Svenning, 2018	<i>Using species distribution modelling to determine opportunities for trophic rewilding under future scenarios of climate change</i>	WORLDWIDE	B
Jepson <i>et al.</i> , 2018	<i>Governing with nature: a European perspective on putting rewilding principles into practice</i>	EUROPE	B
Johnson <i>et al.</i> , 2018	<i>Can trophic rewilding reduce the impact of fire in a more flammable world?</i>	WORLDWIDE	B
Kowarik, 2018	<i>Urban wilderness: Supply, demand, and access</i>	EUROPE	CD
Pennisi, 2018	<i>Restoring lost grazers could help blunt climate change</i>	-	B
Regos <i>et al.</i> , 2018	<i>Trade-offs and synergies between bird conservation and wildfire suppression in the face of global change</i>	Catalonia, Spain	C
Torres <i>et al.</i> , 2018	<i>Measuring rewilding progress</i>	Millingerwaard, Netherlands; Iberá, Argentina; Swiss National Park, Switzerland	A
van Klink & WallisDeVries, 2018	<i>Risks and opportunities of trophic rewilding for arthropod communities</i>	-	A
Barraud <i>et al.</i> , 2019	<i>Ensaucagement et ré-ensaucagement de l'Europe: controverse et postures scientifiques</i>	EUROPE	C
Canals, 2019	<i>Landscape in motion: revisiting the role of key disturbances in the preservation of mountain ecosystems</i>	MOUNTAIN ECOSYSTEMS Western Pyrenees, Spain	A
Cellermajer & Wallach, 2019	<i>The Fate of the Illegible Animal: The Case of the Australian Wild Donkey</i>	Australia	B
Chiarucci & Piovesan, 2019	<i>Need for a global map of forest naturalness for a sustainable future</i>	WORLDWIDE	A
Dandy & Wynne-Jones, 2019	<i>Rewilding forestry</i>	-	A
Gillson <i>et al.</i> , 2019	<i>Resilience and fire management in the Anthropocene</i>	WORLDWIDE	AB
Gordon & Letnic, 2019	<i>Evidence that the functional extinction of small mammals facilitates shrub encroachment following wildfire in arid Australia</i>	Strzelecki Desert, Australia	AB
Lasanta, 2019	<i>Active management against shrubland: Seeking balance between conservation and exploitation in the mountains.</i>	MEDITERRANEAN EUROPE	C
López-Rodríguez <i>et al.</i> , 2019	<i>Perceptions of ecological and aesthetic quality by natural resource professionals and local people. A qualitative exploration in a mountainous landscape (La Rioja, Spain)</i>	River Iregua Valley, Spain	C
Manzano & White, 2019	<i>Intensifying pastoralism may not reduce greenhouse gas emissions: wildlife-dominated landscape scenarios as a baseline in life-cycle analysis</i>	-	BC
O'Rourke, 2019	<i>Drivers of Land Abandonment in the Irish Uplands: A Case Study</i>	Iveragh Uplands, Ireland	C
Pausas & Millán, 2019	<i>Greening and Browning in a Climate Change Hotspot: The Mediterranean Basin</i>	MEDITERRANEAN BASIN	B
Perino <i>et al.</i> , 2019	<i>Rewilding complex ecosystems</i>	WORLDWIDE	AC

Root-Bernstein & Ladle, 2019	<i>Ecology of a widespread large omnivore, Homo sapiens, and its impacts on ecosystem processes</i>	WORLDWIDE	AB
Schweiger <i>et al.</i> , 2019	<i>The importance of ecological memory for trophic rewilding as an ecosystem restoration approach: Ecological memory and trophic rewilding</i>	-	B
Swaigood <i>et al.</i> , 2019	<i>Capturing pests and releasing ecosystem engineers: translocation of common but diminished species to re-establish ecological roles</i>	San Diego, USA	A
Sweeney <i>et al.</i> , 2019	<i>An Australian perspective on rewilding</i>	Australia	A
Van Meerbeek <i>et al.</i> , 2019	<i>Reconciling Conflicting Paradigms of Biodiversity Conservation: Human Intervention and Rewilding</i>	-	A
Bauman <i>et al.</i> , 2020	<i>Declining human pressure and opportunities for rewilding in the steppes of Eurasia</i>	Steppes of Northern Kazakhstan	AB
Brunori <i>et al.</i> , 2020	<i>The hidden land conservation benefits of olive-based (Olea europaea L.) landscapes: An agroforestry investigation in the southern Mediterranean (Calabria region, Italy)</i>	Calabria, Italy	C
Carrol & Noss, 2020	<i>Rewilding in the face of climate change</i>	Yellowstone-toYukon Region, USA, Canada	B
Fehr <i>et al.</i> , 2020	<i>Non-native palms (Arecaceae) as generators of novel ecosystems: A global assessment</i>	WORLDWIDE	B
Frei <i>et al.</i> , 2020	<i>Narrating abandoned land: Perceptions of natural forest regrowth in Southwestern Europe</i>	Alto Tajo, Spain ; Barcelona Metropolitan Area, Spain ; Catalan Pyrenees region, Spain ; Mont Ventoux/Luberon, France	C
García Ruiz <i>et al.</i> , 2020	<i>Rewilding and restoring cultural landscapes in Mediterranean mountains: Opportunities and challenges.</i>	MEDITERRANEAN EUROPE Leza Valley, Spain	C
Grau <i>et al.</i> , 2020	<i>Pathways of megaherbivore rewilding transitions: typologies from an Andean gradient.</i>	Puna Highlands, Montane Grassland-Forest Ecotone, Subtropical Montane Forest, Argentina	C
Kerley & Cromsigt, 2020	<i>From reindeer to rhino: Reflections on ‘Climate change mitigation and adaptation benefits of wilder rangelands’</i>	Sweden; South Africa	B
Klaar <i>et al.</i> , 2020	<i>Land management in a post-Brexit UK: An opportunity for integrated catchment management to deliver multiple benefits?</i>	UK	B
Klop-Toker <i>et al.</i> , 2020	<i>Are novel ecosystems the only novelty of rewilding?</i>	Australia	D
Lomba <i>et al.</i> , 2020	<i>Back to the future: rethinking socioecological systems underlying high nature value farmlands</i>	EUROPE	C
Pais <i>et al.</i> , 2020	<i>Mountain farmland protection and fire-smart management jointly reduce fire hazard and enhance biodiversity and carbon sequestration</i>	Transboundary Biosphere Reserve Gerês-Xurés, Portugal, Spain	C
Pascual-Rico <i>et al.</i> , 2020	<i>Scientific priorities and shepherds' perceptions of ungulate's contributions to people in rewilding landscapes</i>	Spain	B
Sandom <i>et al.</i> , 2020	<i>Trophic rewilding presents regionally specific opportunities for mitigating climate change</i>	WORLDWIDE	B

Svenning, 2020	<i>Rewilding should be central to global restoration efforts</i>	WORLDWIDE	AB
Way <i>et al.</i> , 2020	<i>Roundtable: Animal History in a Time of Crisis</i>	-	B
Wynne-Jones <i>et al.</i> , 2020	<i>Rewilding – Departures in Conservation Policy and Practice? an Evaluation of Developments in Britain</i>	UK	C
Alcasena <i>et al.</i> , 2021	<i>Assessing Wildfire Exposure to Communities and Protected Areas in Portugal</i>	Portugal	C
Beresford <i>et al.</i> , 2021	<i>Wildfires in the Chornobyl exclusion zone – Risks and consequences.</i>	Chornobyl Exclusion Zone, Ukraine	C
Campos <i>et al.</i> , 2021	<i>Using fire to enhance rewilding when agricultural policies fail</i>	Transboundary Biosphere Reserve Gerês-Xurés, Portugal, Spain	AC
Gordon <i>et al.</i> , 2021A	<i>Domestic Livestock and Rewilding: Are They Mutually Exclusive?</i>	WORLDWIDE Côa Valley, Portugal	ABC
Gordon <i>et al.</i> , 2021B	<i>Rewilding Lite: Using Traditional Domestic Livestock to Achieve Rewilding Outcomes</i>	WORLDWIDE	ABC
López-i-Gelats <i>et al.</i> , 2021	<i>Discourses on Rewilding: the Case of Feral Goats in Mallorca</i>	Mallorca, Spain	B
Mata <i>et al.</i> , 2021	<i>Enhancing monitoring of rewilding progress through wildlife tracking and remote sensing.</i>	Iberá Wetlands, Argentina	A
Rayé, 2021	<i>Le rewilding pour tendre vers la pleine naturalité</i>	WORLDWIDE, France	B
Rouet-Leduc <i>et al.</i> , 2021	<i>Effects of large herbivores on fire regimes and wildfire mitigation</i>	WORLDWIDE	B
Schou <i>et al.</i> , 2021	<i>Economic assessment of rewilding versus agri-environmental nature management</i>	Denmark	A
Warner <i>et al.</i> , 2021	<i>The response of plants, carabid beetles and birds to 30 years of native reforestation in the Scottish Highlands</i>	Central Scottish Highlands, UK	B
Wells <i>et al.</i> , 2021	<i>Experimental evidence that effects of megaherbivores on mesoherbivore space use are influenced by species' traits</i>	Mpala Research Centre, Kenya	C
Young <i>et al.</i> , 2021	<i>Naïve plant communities and individuals may initially suffer in the face of reintroduced megafauna: An experimental exploration of rewilding from an African savanna rangeland</i>	Mpala Conservancy, Kenya	B
Bühne <i>et al.</i> , 2022	<i>The policy consequences of defining rewilding</i>	-	A
Campos <i>et al.</i> , 2022	<i>Climate regulation ecosystem services and biodiversity conservation are enhanced differently by climate- and fire-smart landscape management</i>	Transboundary Biosphere Reserve of Meseta Iberica, Portugal, Spain	C
Cidrás & Paül, 2022	<i>Rewilding Shouldn't Be Reactive: Fragas do Eume Natural Park in the Face of an Invasive Alien Species</i>	Fragas do Eume Natural Park, Spain	C
Di Bitetti, 2022	<i>Argentina: wildfires jeopardize rewilding</i>	Iberá National Park, Argentina	other
Holl <i>et al.</i> , 2022	<i>Overcoming biotic homogenization in ecological restoration</i>	California Coastal Prairies, USA ; Atlantic Forest, Brazil	A
Iglesias <i>et al.</i> , 2022	<i>Climate- and fire-smart landscape scenarios call for redesigning protection regimes to achieve multiple management goals</i>	Transboundary Biosphere Reserve of Meseta Iberica, Portugal, Spain	C

Lord <i>et al.</i> , 2022	<i>Flammability trajectories following destocking and forestation: a case study in the New Zealand high country</i>	Whenua Ecosanctuary, New Zealand	C
Malhi <i>et al.</i> , 2022	<i>The role of large wild animals in climate change mitigation and adaptation.</i>	WORLDWIDE	B
Pausas, 2022	<i>Pyrogeography across the western Palaearctic: A diversity of fire regimes</i>	EUROPE, NORTH AFRICA, THE NEAR EAST	B
Pineda <i>et al.</i> , 2022	<i>Characterising the holdover phase of lightning-ignited wildfires in Catalonia</i>	Catalonia, Spain	C
Preti <i>et al.</i> , 2022	<i>Soil and Water Bioengineering (SWB) is and has always been a nature-based solution (NBS): a reasoned comparison of terms and definitions</i>	WORLDWIDE	B
Ramsay <i>et al.</i> , 2022	<i>What evidence exists on the impacts of large herbivores on climate change? A systematic map protocol</i>	WORLDWIDE	B
Ripple <i>et al.</i> , 2022	<i>Rewilding the American West</i>	American West, USA	AB
Salis <i>et al.</i> , 2022	<i>Spatial Patterns and Intensity of Land Abandonment Drive Wildfire Hazard and Likelihood in Mediterranean Agropastoral Areas</i>	Northwestern Sardinia, Italy	C
Segar <i>et al.</i> , 2022	<i>Expert-based assessment of rewilding indicates progress at site-level, yet challenges for upscaling</i>	EUROPE	AB
Stevens <i>et al.</i> , 2022	<i>Grassy Ecosystems in the Anthropocene</i>	WORLDWIDE	other
Trouwborsts & Svenning, 2022	<i>Megafauna restoration as a legal obligation: International biodiversity law and the rehabilitation of large mammals in Europe</i>	EUROPE	B
Anna <i>et al.</i> , 2023	<i>Habitat use by semi-feral Konik horses on wetlands—three-year GPS study</i>	Biebrza River Valley, Poland	other
Arruda <i>et al.</i> , 2023	<i>Ten principles for restoring campo rupestre, a threatened tropical, megadiverse, nutrient-impovertised montane grassland</i>	Brazil	A
Ascoli <i>et al.</i> , 2023	<i>Fire-smart solutions for sustainable wildfire risk prevention: Bottom-up initiatives meet top-down policies under EU green deal</i>	Greece, Italy, Portugal, Spain	C
Bluhm <i>et al.</i> , 2023	<i>Widespread habitat for Europe's largest herbivores, but poor connectivity limits recolonization</i>	Austria, Czechia, Germany, Poland, Slovakia	B
Cardoso <i>et al.</i> , 2023	<i>How forests survive alongside flammable open ecosystems: conservation implications for Africa</i>	AFRICA	B
Contos <i>et al.</i> , 2023	<i>Whole-of-community invertebrate rewilding: Leaf litter transplants rapidly increase beetle diversity during restoration</i>	Goulburn-Broken, Australia	other
Corson <i>et al.</i> , 2023	<i>Au-delà de l'agroécologie :le ré-ensauvagement agricole, une perspective pour les systèmes d'élevage ?</i>	-	B
du Toit, 2023	<i>Steps to operationalize a rewilding decision: Focus on functional types</i>	-	B
Eldridge & Soliveres, 2023	<i>Rewilding soil-disturbing vertebrates to rehabilitate degraded landscapes: benefits and risks</i>	WORLDWIDE	A
Fayet & Verburg, 2023	<i>Modelling opportunities of potential European abandoned farmland to contribute to environmental policy targets</i>	EUROPE	B

Ferreira Silva <i>et al.</i> , 2023	<i>Exploring Land System Options to Enhance Fire Resilience under Different Land Morphologies</i>	Portugal	AB
Franco <i>et al.</i> , 2023	<i>Wildfire impacts on flood regulation and water purification</i>	-	C
Gallardo <i>et al.</i> , 2023	<i>Land Use and Land Cover Changes in Depopulated Areas of Mediterranean Europe: A Case Study in Two Inland Provinces of Spain</i>	Soria, Teruel, Spain	C
García <i>et al.</i> , 2023	<i>Renaturalización pasiva en la Cordillera Cantábrica: bases y retos científicos para una sostenibilidad socio-ecológica</i>	Cantabrian Mountains, Spain	AC
Gordon <i>et al.</i> , 2023	<i>Elephant rewilding affects landscape openness and fauna habitat across a 92-year period</i>	Kruger National Park, South Africa	B
Guerisoli <i>et al.</i> , 2023	<i>Reflexiones acerca del “reasilvestramiento” en la Argentina</i>	Argentina	AB
Hart <i>et al.</i> , 2023	<i>A scoping review of the scientific evidence base for rewilding in Europe</i>	EUROPE	BC
Jiménez <i>et al.</i> , 2023	<i>The effects of farming system and soil management on floristic diversity in sloping olive groves</i>	Andalucía, Spain	C
Kirkland <i>et al.</i> , 2023	<i>Landscape fires disproportionately affect high conservation value temperate peatlands, meadows, and deciduous forests, but only under low moisture conditions</i>	Polesia, Belarus, Ukraine	C
Lecina-Díaz <i>et al.</i> , 2023	<i>Stakeholder perceptions of wildfire management strategies as nature-based solutions in two Iberian biosphere reserves</i>	Transboundary Biosphere Reserve of Meseta Iberica, Portugal, Spain ; Transboundary Biosphere Reserve Gerês-Xurés, Portugal, Spain	C
Mondière <i>et al.</i> , 2023	<i>Adapting and applying the rewilding score to assess the biodiversity potential of cattle-oriented farms</i>	France, UK	A
Neale <i>et al.</i> , 2023	<i>Comments – What Tradition Affords: Articulations of Indigeneity in Contemporary Bushfire Management</i>	Australia	D
Nirhamo <i>et al.</i> , 2023	<i>The response of epiphytic lichens on living and dead Pinus sylvestris to prescribed fires of varying severity</i>	Liekka, Finland	A
Oliveira & Fernandes, 2023	<i>Pastoral Burning and Its Contribution to the Fire Regime of Alto Minho, Portugal</i>	Alto Minho, Portugal	C
Pais <i>et al.</i> , 2023	<i>The REMAINS R-package: Paving the way for fire-landscape modelling and management</i>	Transboundary Biosphere Reserve Gerês-Xurés, Portugal, Spain	C
Palli <i>et al.</i> , 2023	<i>Historical ecology identifies long-term rewilding strategy for conserving Mediterranean mountain forests in south Italy</i>	Pollino National Park, Italy	B
Pandy & Rogerson, 2023	<i>Nature-Based Tourism and Climate Change: The Risk Perceptions of Industry Stakeholders in the Waterberg, South Africa</i>	Waterberg, South Africa	C
Pérez-Barbería & Gordon, 2023	<i>Assessing social perceptions of rewilding approaches in Spain using traditional domestic livestock</i>	Spain	B
Pettersson <i>et al.</i> , 2023	<i>Who must adapt to whom? Contested discourses on human–wolf coexistence and their impact on policy in Spain</i>	Spain	C

Ponsford, 2023	<i>Research restarts in Chornobyl Zone amid ravages of war</i>	Chornobyl Exclusion Zone, Ukraine	B
Pulido <i>et al.</i> , 2023	<i>Fire-Smart Territories: a proof of concept based on Mosaico approach</i>	Sierra de Gata-Las Hurdes, Spain	AC
Quintas-Soriano <i>et al.</i> , 2023	<i>Narratives of land abandonment in a biocultural landscape of Spain</i>	Las Hurdes, Spain	AC
Regos <i>et al.</i> , 2023	<i>Nature-based solutions to wildfires in rural landscapes of Southern Europe: let's be fire-smart!</i>	Transboundary Biosphere Reserve of Meseta Iberica, Portugal, Spain ; Transboundary Biosphere Reserve Gerês-Xurés, Portugal, Spain	C
Saavedra <i>et al.</i> , 2023	<i>Addressing challenges for large-scale trophic rewilding</i>	Eurasian steppes, Kazakhstan ; MEDITERRANEAN RANGELANDS	B
Schmitz & Sylvén, 2023	<i>Animating the Carbon Cycle: How Wildlife Conservation Can Be a Key to Mitigate Climate Change</i>	WORLDWIDE	B
Schmitz <i>et al.</i> , 2023	<i>Trophic rewilding can expand natural climate solutions</i>	WORLDWIDE	B
Scoones, 2023	<i>Livestock, methane, and climate change: The politics of global assessments</i>	WORLDWIDE	C
Sharma <i>et al.</i> , 2023	<i>Impact of management practices on the tropical riverine grasslands of Brahmaputra floodplains: Implications for conservation</i>	Kaziranga Tiger Reserve, India	A
Tanentzap <i>et al.</i> , 2023	<i>Trade-offs between passive and trophic rewilding for biodiversity and ecosystem functioning</i>	Knepp Wildland, UK	other
Torre <i>et al.</i> , 2023	<i>Effects of Post-Fire Management on a Mediterranean Small Mammal Community</i>	Sant Llorenç del Munt i l'Obac Natural Park, Spain	other
Velilla-Gil & Guallart-Moreno, 2023	<i>Los procesos despobladores en Aragón: materiales educativos para educación secundaria</i>	Aragón, Spain	C
Veríssimo & Roseta-Palma, 2023	<i>Rewilding with the beaver in the iberian peninsula - Economic potential for river restoration</i>	Portugal, Spain	AB
Wang <i>et al.</i> , 2023	<i>Rewilding abandoned farmland has greater sustainability benefits than afforestation</i>	EUROPE	B
Wendt <i>et al.</i> , 2023	<i>Past and present biomass consumption by herbivores and fire across productivity gradients in North America</i>	Canada, Mexico, USA	A

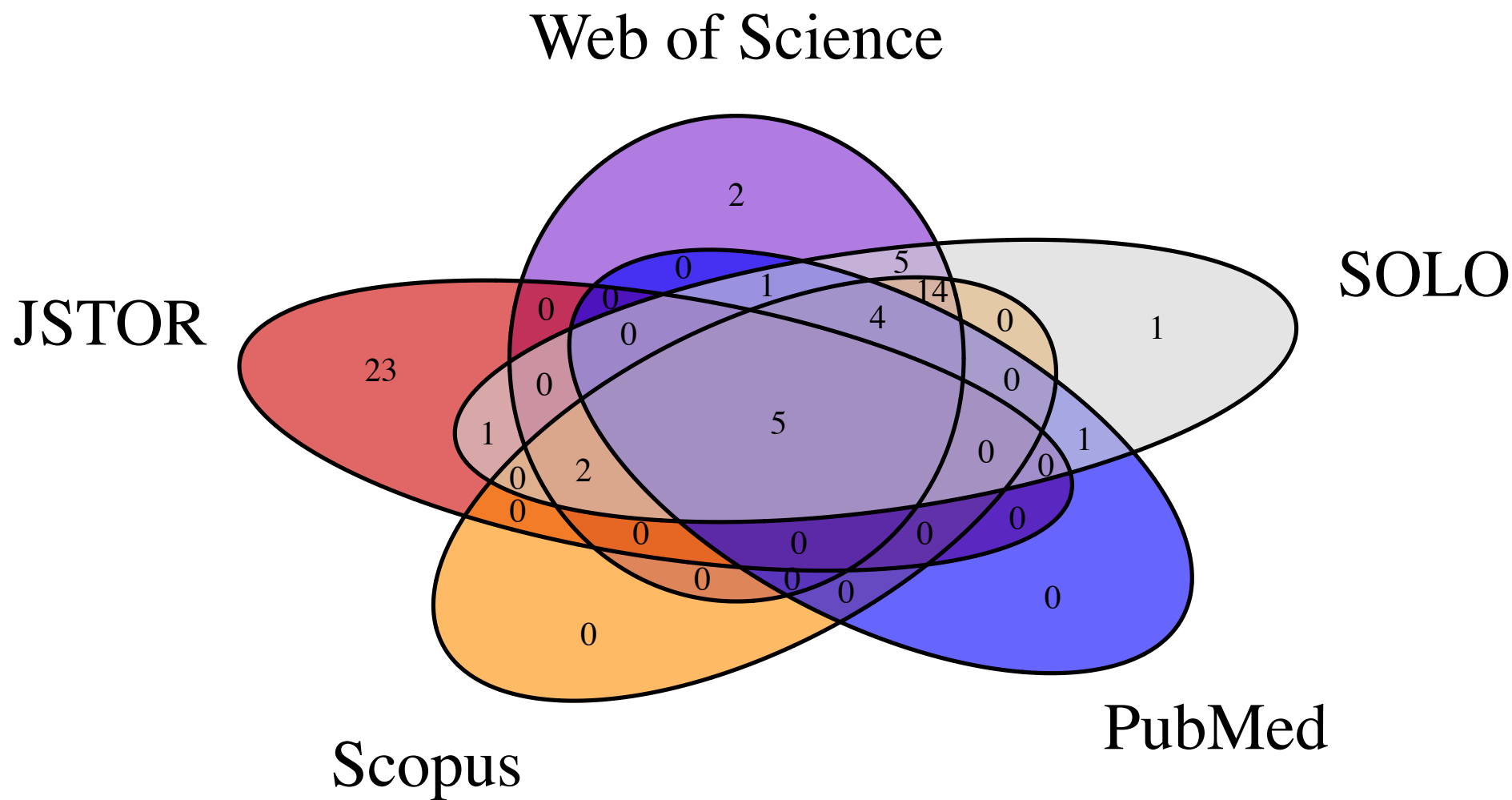


Fig. S1, Venn diagram illustrating the distribution and overlap of reviewed sources found across the different literature databases (Web of Science, JSTOR, Scopus, PubMed and SOLO – Search Oxford Libraries Online). Please note all of the 158 papers were also found in Google Scholar, and therefore have not been graphically represented. There was also overlap between the remaining five databases, with noticeable nestedness between WoS, PubMed, Scopus and SOLO. There was less overlap between them and JSTOR, which yielded more ‘distinctive’ sources. JSTOR was biased towards older sources, yielding no sources published after 2020.

Table S2, list of the reviewed sources dealing with **other** discourses of rewilding and fire, in other words, not fitting within the discourse classification presented in this article. Sources are ordered by date and alphabetical order. The table also shows the principal geographical context for each source. Sources can focus on specific locations, countries and/or biomes, can have a global setting or can have no specified context at all. The ‘discourse’ column briefly describes the way in which the sources explicitly or implicitly conceptualise the role of fire in rewilding.

SOURCE	TITLE	LOCATION	DISCOURSE
Atkinson, 2009	<i>Shared Visions, Shared Wildernesses: Wilderness Conservation in the Grasslands of Southern Saskatchewan</i>	Grasslands of Southern Saskatchewan; Canada	Fire as a natural process whose restoration is inappropriate in the context of rewilding
Lockwood, 2010	<i>The fate of the Rocky Mountain locust, <i>Melanoplus spretus</i> Walsh: implications for conservation biology</i>	Rocky Mountains; Canada, USA, Mexico	Fire as a threat to the success and environmental potential of rewilding
Ingram, 2010	<i>Vital Signs</i>	-	Fire as an opportunity for livelihoods and research in the context of rewilding
Ceașu <i>et al.</i> , 2015	<i>Mapping opportunities and challenges for rewilding in Europe</i>	EUROPE	Fire as an important biodiversity dynamic in novel rewilded landscapes
Hawkins <i>et al.</i> , 2017	<i>Does Holistic Planned Grazing™ work on native rangelands?</i>	South Africa	Fire as an opportunity for livelihoods and research in the context of rewilding
Di Bitetti, 2022	<i>Argentina: wildfires jeopardize rewilding</i>	Iberá National Park, Argentina	Fire as a threat to the success and environmental potential of rewilding
Stevens <i>et al.</i> , 2022	<i>Grassy Ecosystems in the Anthropocene</i>	WORLDWIDE	Fire as an opportunity for livelihoods and research in the context of rewilding
Anna <i>et al.</i> , 2023	<i>Habitat use by semi-feral Konik horses on wetlands—three-year GPS study</i>	Biebrza River Valley, Poland	Fire as a threat to the success and environmental potential of rewilding
Tanentzap <i>et al.</i> , 2023	<i>Trade-offs between passive and trophic rewilding for biodiversity and ecosystem functioning</i>	Knepp Wildland, UK	Fire as a threat to the success and environmental potential of rewilding
Torre <i>et al.</i> , 2023	<i>Effects of Post-Fire Management on a Mediterranean Small Mammal Community</i>	Sant Llorenç del Munt i l’Obac Natural Park, Spain	Wildfires as a process to fight against rewilding and its consequences

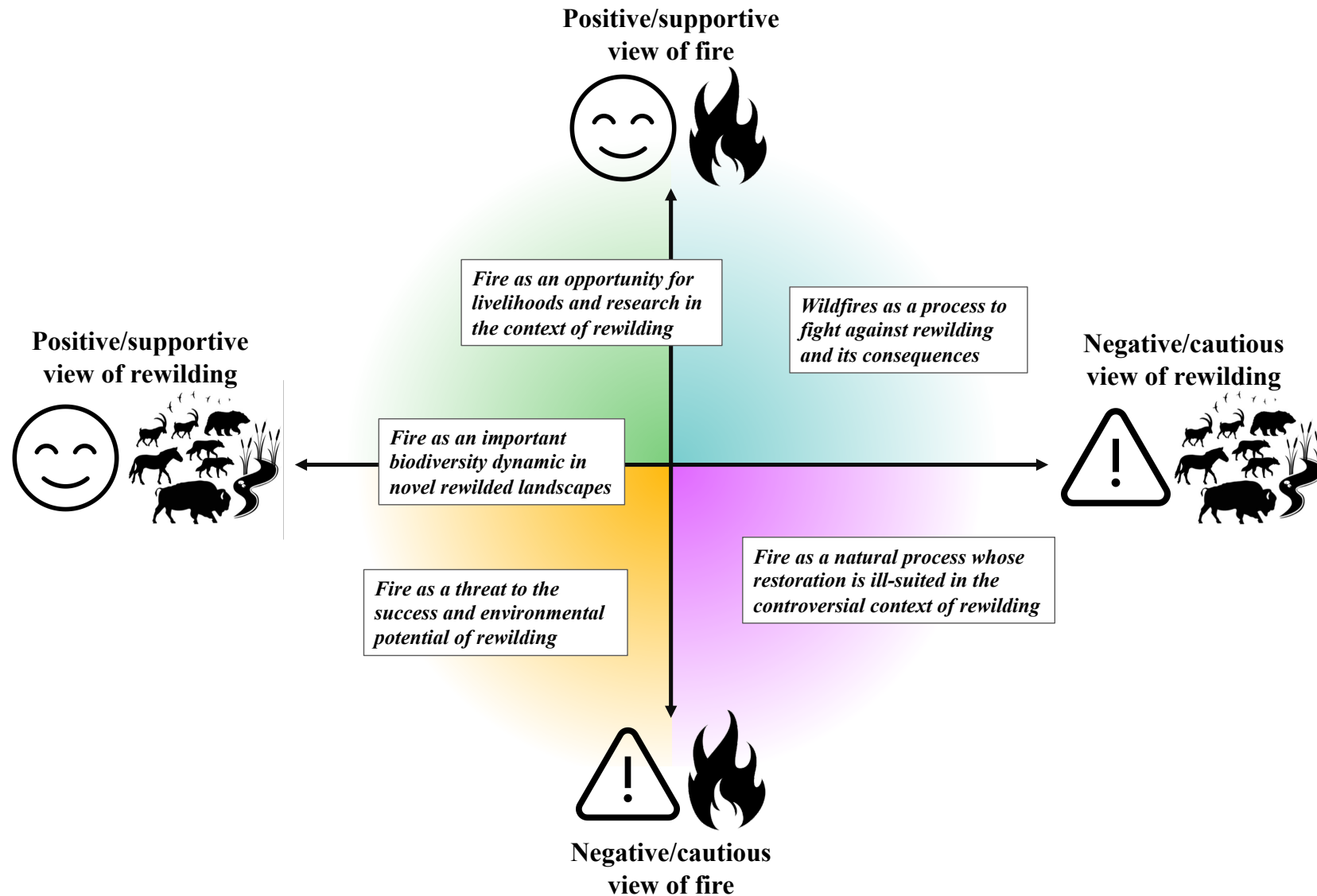


Fig. S2, thematic framework incorporating **other** discourses surrounding the role of fire in rewilding, not fitting within the four main discourses presented in this article. Less common discourses can still be classified through the two-way matrix, or spectrum, depending on their attitude towards fire's presence in the landscape and the use of rewilding as a conservation strategy.

other



Fig. S3, geographical distribution of peer-reviewed sources dealing with **other** discourses of rewilding and fire, in other words, not fitting within the discourse classification presented in this article. This map includes sources with well defined national context(s), focusing on one or multiple case study locations or covering one or more specified nations. Country shading indicates number of sources, and white indicates no identified sources so far.

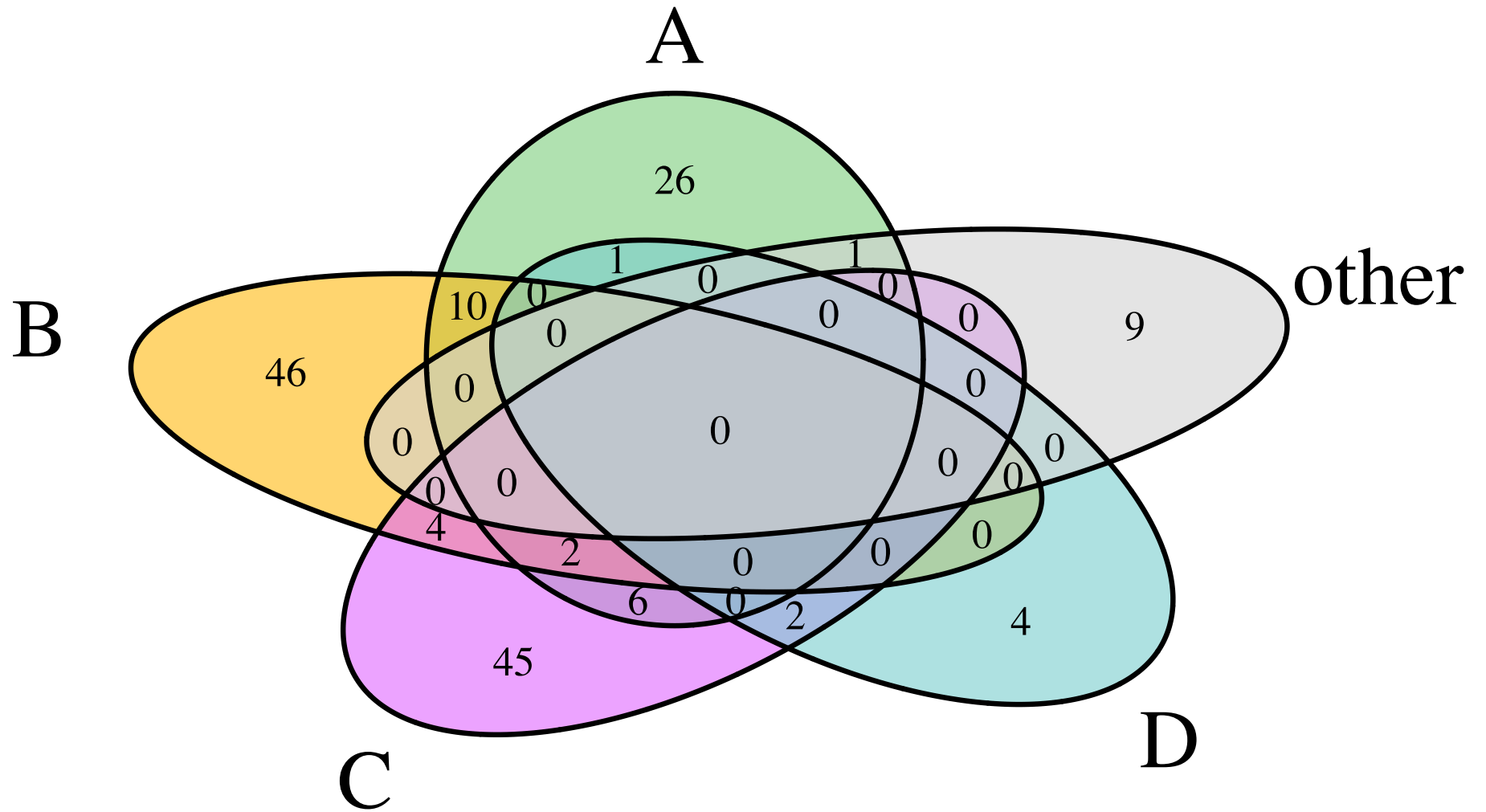


Fig. S4, abundance Venn diagram illustrating the distribution and overlap in discourses A to D plus **other** discourses of rewilding and fire not fitting within the classification presented in this article.