

Training materials for learning about landscape regeneration

“Regenerate Grey Bruce - Towards a new landscape Narrative of Hope”

Initial research in our community, and several conversations with community leaders from our region, have revealed several insights that informed the need for education in this community. Furthermore, the last two years have brought forth a plethora of educational materials, movies, books, and articles on the theme of “landscape regeneration” - not only as a scientific concept, but as a local movement of communities.

Online courses

For this reason, the approach to develop a stand-alone educational module in landscape regeneration was abandoned. We believe it is not a good use of our resources to compete with the world’s leaders in academia, film, and on-the-ground landscape regeneration. Instead, we offer a summary of initial project findings, a review of movies and educational courses. We also specifically recommend 5 courses on landscape regeneration that are available online, in particular the first two on the scientific connection of climate change and biodiverse landscapes, and the role of leadership in landscape regeneration:

Course title	Offered by whom?	Duration	Cost	Description
Landscape Leadership: Catalyse Sustainable Development in Landscapes	Commonland / 1000 Landscapes for 1 Billion People: a radical collaboration Now more than ever, the world needs viable solutions based on social and ecological needs, science and entrepreneurship. For this to happen, we need a practical holistic approach that everybody understands.	4 weeks, 2h/week	Free	Learn how to become a landscape leader! Get the skills to mobilise human resources, manage and resolve conflict and facilitate and motivate stakeholders to achieve SDG-focused sustainable change.

Climate Action in Biodiverse Landscapes	Series tackles the four more complex issues in landscape restoration: Leadership, investment, governance, and the scientific basis. Course content draws on eight large-scale regeneration projects in South Africa, Australia, Netherlands, Spain, India, Haiti, Zambia, Germany “We work with large scale landscapes initiatives, as ecology will then work for you. Our holistic approach to landscape restoration starts by understanding local leadership, ecological restoration potential, land tenure and economics of an area. We explore the potential of regenerative business cases, able to drive 4 Returns landscape restoration at scale.	4 weeks, 2h/week	Free	There is no planet B. It's time to take effective climate action for which collaboration and innovation are key. This online course will boost your knowledge and skills to help you move from analysis to action in order to develop climate smart landscapes across the world.
Landscape Finance: Investing in Innovation for Sustainable Landscapes	The first step in landscape restoration is co-creating a common vision for the landscape. We use a process based on Theory U as developed by the Presencing Institute. These landscape vision quests with farmers, landowners, local NGO's, governments, and entrepreneurs raise awareness amongst all in a way that allow them to see their own blind spots and opens their minds, hearts and efforts. It provides the relevant touch points needed throughout the years to identify and prioritize activities and realise long lasting landscape restoration partnerships.”	4 weeks, 2h/week	Free	Bridge the gap between finance and landscape! Learn to navigate the web of landscape financial flows, mechanisms and requirements toward developing cutting-edge business cases and models for sustainable development in landscapes.
Landscape Governance: Collaborating Across Sectors and Scales		4 weeks, 2h/week	Free	Finding local solutions to global challenges relies on collaboration & innovation. Equip yourself with the knowledge & skills to design and implement effective landscape governance that harnesses the power of place for sustainable landscape solutions.
Nature-based Urban Regeneration	How can we use nature to improve life in our cities? This course shares knowledge generated in urban Living Labs in Europe and China and will introduce you to co-designing, co-implementing and evaluating nature-based solutions for urban renewal with local communities. Learn how to set up your own nature-based regeneration strategy.	5 weeks, 5-6 h/wk	free	

Priority articles and books

Additionally, mentors are invited to study the following articles:

- **Leadership in the age of complexity: From heros to hosts** (Margaret Wheatley with Debbie Frieze). [Link](#)
- **To change the world, transform narrative oceans** (Bridgit Antoinette Evans). [Link](#). Builds on a larger study, [From Stories to Systems - Pop Culture Collaborative](#)
- **Holistic decision making for resilient landscapes** ([ATTRA link](#))
- **Braiding Sweetgrass (Robin Kimmerer)**. As a botanist, Robin Wall Kimmerer has been trained to ask questions of nature with the tools of science. As a member of the Citizen Potawatomi Nation, she embraces the notion that plants and animals are our oldest teachers. In *Braiding Sweetgrass*, Kimmerer brings these two lenses of knowledge together to take us on “a journey that is every bit as mythic as it is scientific, as sacred as it is historical, as clever as it is wise.

Three books address the specific topic of Ontario’s landscapes:

- **The Once and Future Great Lakes Country: An Ecological History (John Riley, 2013)**. [Review](#). John Riley investigates the history of Great Lakes landscapes, from before first contact until today and tomorrow. This long read is meticulously researched by one of the most prolific ecological authors of Canada. Truly mindopening!
- **Two Billion Trees and Counting The Legacy of Edmund Zavitz (John Bacher, 2011)**. [Review](#). John Bacher gives a detailed account of Zavitz’ legacy in Ontario’s tree planting program, inspired by the devastating landscape degradation during the 1920s and 30s.
- **The history of roadside tree planting in Ontario** (Maple Leafs Forever, 2021). [Link](#). Terry Schwan is a semi-retired forest consultant from Hanover, Grey County. He was winner of the Maple Leaves Forever / Ontario Envirothon Leadership Award in 2020.

Priority movies and videos

The following movies are recommended for viewing. Most are available free of charge online.

Title	Year	Website	Description	Comment
2040	2019	https://whatsyour2040.co	Concerned about his young daughter's future, filmmaker Damon Gameau	This movie is an excellent attempt to

		m	travels the world in search of new approaches and solutions to climate change. He meets with innovators and changemakers in many fields to draw on their expertise.	create a positive narrative, with many strategies that address landscape regeneration in agriculture, gardening, urban design.
Breaking Boundaries: The Science Of Our Planet	2021	https://www.imdb.com/title/tt14539726/ 10-min summary (youtube)	David Attenborough and scientist Johan Rockström examine Earth's biodiversity collapse and how this crisis can still be averted. A 10-minute cut of the film was live-streamed on Earth Day 2021 at the President Biden's Virtual Leaders Summit on Climate , just before Pope Francis' speech.	Two leading scientists and narrators create concern and focus on solutions.
Hope in a world of crisis: Water cycle restoration	2019	TedX talk https://www.ted.com/talks/zach_weiss_hope_in_a_world_of_crisis_water_cycle_restoration (2-hour webinar)	Zach Weiss, an ecological warrior, emphasizes the tendency of the western world to practice symptom-based medicine. He stresses that there are actionable steps each of us can take to lessen the effects of climate change by shifting our efforts from symptom-based action to truly understanding the root cause.	Crisp summary on Zach Weiss' educational and inspirational work around the terrestrial water cycle and larger ecosystem regeneration.
Desert or Rainforest	2022	Trailer: https://www.youtube.com/watch?v=mf4jwkhCk_A	This video features a truly remarkable project that provides a pathway for restoring ecosystems and cooling our climate. Do we want to create desert or rainforest? It sounds too simple to be true, but the choice truly is ours to make. Even during the extreme heat and horrific bushfires of 2020 in Australia, this project provided a refuge of cooler temperatures, humidity, and productivity. What's so remarkable about this project is that it wasn't previously a rainforest. This rainforest was by choice, carefully co-created by humans. This project, led by Walter Jehne, shows how humans can be a positive force in increasing planetary health and the stability of our climate. Forests cool our climate and generate more consistent rain. We can create forests, even in dry, hot, and arid landscapes, by working with water and soil conservation.	Through decentralized water retention, reforestation, revegetation, agroforestry, syntropic agriculture, regenerative agriculture, cover cropping, permaculture, and water and soil conservation - we can make these changes on our landscape for a more abundant and prosperous future. Truly hopeful narrative how humans can actively restore landscape health. The Australian bushfires in 2020 revealed the power of intentional regeneration.
5 Most Epic Earth Healing Projects	2022	https://www.youtube.com/watch?v=TpozW1CAxmU	Permaculture instructor Andrew Millison reveals his picks for the 5 most epic Earth healing projects in the world. • Project 1: Arvari River Restoration • Project 2: The Chikukwa Project Trailer: https://www.youtube.com/watch?v=svj3O...	Crisp summary of several large-scale landscape transformations. Inspirational - scale is possible, if communities make it their shared priority.

			• Project 3: GRAVIS Jodhpur Project Website: https://www.gravis.org.in/ • Project 4: The Loess Plateau Footage from "Hope in a Changing Climate" by John D. Liu: https://youtu.be/bLdNhZ6kAzo • Project 5: The Paani Foundation https://www.paanifoundation.in/ • Bonus: Regenerative Resources: https://regenerativeresources.co/	
The Biggest Little Farm	2020	https://www.apricotlanefarms.com/biggest-little-farm/	A couple are followed through their successes and failures as they work to develop a sustainable farm on 200 acres outside of Los Angeles. Over the years, the desolate they purchase begins to thrive and its transformed.	Excellent story telling about the difficulties of regenerative farming

Background - State of the education in “Towards a new landscape Narrative of Hope”

The question “Can you imagine this landscape flourishing in 2050, and how will we get there?” could not be answered - not in individual conversations, nor in other more formal surveys. Furthermore, in the last two years several educational initiatives have emerged that are highly relevant to “landscape narratives” - in the form of courses, books, and movies. This chapter gives an overview on the state of knowledge, based on preliminary project insights, and the new availability of teaching materials.

Insights on the state of knowledge and awareness in our community

Based on community interviews and informal talks within the community, the core project team concludes that

- a) **Scientific reviews** point toward the confluence of (1) climate change, (2) biosphere degradation (deforestation, soil degradation, disruption of the water cycle, biodiversity extinction), and (3) rising inequality of income and assets, with particularly relevant barriers to land access for the vast majority of the population ⁽¹⁾. The same source also identifies “Narratives of Hope” as core compass to human decision making, and the paradigm of “nature and humans” in mutual stewardship as framing for fostering resilient landscapes. Along the same line, “transforming narratives to foster change” is gaining increasing attention by academics and changemakers ⁽²⁾.

In our community,

¹ Folke C, Polasky S, Rockström J, Galaz V, Westley F, Lamont M, Scheffer M, Österblom H, Carpenter SR, Chapin FS, Seto KC. Our future in the Anthropocene biosphere. *Ambio*. 2021 Apr;50(4):834-69. <https://link.springer.com/article/10.1007/s13280-021-01544-8>

² <https://popcollab.medium.com/to-change-the-world-transform-narrative-oceans-609c942d4d7a>

- b) **there is no coherent understanding of the concept of “landscape” in the community.** Several interviewees often mistook “vision for a regional landscape” with “plans for landscaping contracts on owned property”, and had very hard time voicing visions beyond individually owned properties. Other interviewees focused on conservation (or restoration) of wilderness on properties owned by land trusts, which focused on excluding humans from that area. There was little recognition of human responsibility to maintain and improve landscapes in the region of Grey Bruce - it was simply not a “concept” with community members.
- c) **Interviewees generally struggle with formulating a general “Narrative of Hope” for their lives.** Unlike older generations, who were spiritually raised within the Christian narrative of life (*“Life according to Christ so you will receive neverending life after death”*), or within a variety of narratives of individual merit (*“Hard work or good character will be rewarded with success”* e.g. the “American Dream” in its facets), younger generations are struggling with formulating their spiritual direction in life. Parents witness youth without Narrative of Hope - neither the Christian nor the individual merit work for youth. Parents and youth are both struggling; parents lack strategies to create hope or direction in their children’s lives.
- d) **Some interviewees state that climate change either does not exist, or that it will even benefit the region** of Grey Bruce (warmer temperatures and longer growing seasons will benefit farmers). Active management is thus not necessary and we can continue business as usual. While the project team would argue that the former position is based on denial of scientific facts, and the latter on a false attribution of uncertainty (slow warming is highly certain, whereas a prediction of the impacts of increasing variability is highly uncertain, even if increases in climate variability is once again quite certain).
- e) **“Regeneration” is believed to be a Narrative of Hope** by the core team members. Landscape regeneration involves actions that transform our landscapes for shared use by humans and biodiversity, with highly resilient plant cover. However, this narrative faces substantial barriers at landscape scale in our region:
 - i) Most people lack a concept of landscapes and/or biosphere regeneration,
 - ii) Many conservationists focus on conservation lands and land trusts, which exclude human use of the land.
 - iii) Those who we encountered who understand the concept of regeneration (younger folks) are lacking the financial means to access land, so they lack agency in biosphere regeneration .
 - iv) There are several leaders who embrace biosphere regeneration on their property. As individual actors, their actions are dispersed, uncoordinated, and cannot address the larger-scale landscape perspectives. At this point, these actors are not part of a community - a finding that reflects and substantiates our initial interest in pursuing this project *“Regenerated Grey Bruce - Toward a new Landscape Narrative of Hope”*.

Emergent educational materials

Movies and documentaries

Only in the last years, a number of movies and documentaries were released that explicitly demonstrate landscape regeneration and the formation of Narratives of Hope. In this section, we outline a few of these (some are not yet publicly available but are already promoted as trailers).

Title	Year	Website	Description	Comment
2040	2019	https://whatsyour2040.com	Concerned about his young daughter's future, filmmaker Damon Gameau travels the world in search of new approaches and solutions to climate change. He meets with innovators and changemakers in many fields to draw on their expertise.	This movie is an excellent attempt to create a positive narrative, with many strategies that address landscape regeneration in agriculture, gardening, urban design.
Kiss The Ground	2020	https://kissthegroundmovie.com/	Activists, scientists, farmers, and politicians turn to regenerative agriculture to save the planet's topsoil, and combat climate change.	This movie overcomes political polarization and instead focuses on the most overlooked ecosystem: soil. Especially agricultural soils contribute greatly to carbon sequestration but ultimately to almost all other aspects of landscape regeneration.
Livestock on the land	2021	https://practicalfarmers.org/programs/livestock/livestock-on-the-land/	In broad-brush, Livestock on the Land is a story about regenerative grazing and its promise for the Iowa landscape. Up close, however, it's a story about people – the farmers driven by love of family, land and livestock to seek more resilient solutions, and the community that emerges when	This movie addresses the role of livestock in our landscapes - their potential for soil regeneration, bringing back biodiverse habitat, but also fostering rural communities. It also draws a clear line

			livestock are on the land. The film goes beyond the science to show how livestock are central threads connecting people, diversifying farms, protecting soil and water, and anchoring rural communities. When livestock leave, so do the people. Livestock on the Land shows the reverse: how livestock can re-people our rural communities by giving farmers a chance to get started, grow businesses, provide for their families, work together and bring back the next generation to sustain the cycle.	between industrial animal production practices that degrade our landscapes, and regenerative practices that restore these. Livestock is a contentious issue in the climate debate. Better than any other movie, the Practical Farmers of Iowa address the complexity of this debate without polarizing.
Breaking Boundaries: The Science Of Our Planet	2021	https://www.imdb.com/title/tt14539726 /	David Attenborough and scientist Johan Rockström examine Earth's biodiversity collapse and how this crisis can still be averted.	Two leading scientists and narrators create concern and focus on solutions. A 10-minute cut of the film was live-streamed on Earth Day 2021 at the President Biden's Virtual Leaders Summit on Climate, just before Pope Francis' speech.
Symbiotic Earth How Lynn Margulis rocked the boat and started a scientific revolution	2017	http://www.bullfrogfilms.com/catalog/sym.html	Symbiotic Earth explores the life and ideas of scientific rebel Lynn Margulis who challenged entrenched theories of male-dominated science. As a young scientist in the 1960s, Margulis was ridiculed when she first proposed that symbiosis – when organisms live and work together — was a key driver of evolution, but she persisted. Through numerous collaborations she caused a seismic shift in our understanding of life. Margulis' symbiotic narrative presents an alternative to the destructive worldview that has led to climate change and	The idea of symbiotic living and the self-regulating forces of this planet are inextricably linked to microbiologist Lynn Margulis, who contributed much of the science to Lovelock's Gaia hypothesis. This movie provides the scientific foundation for the paradigm of regeneration -

			extreme capitalism. With James Lovelock she developed the Gaia Theory that all life is interconnected and interdependent. Her vision offers bold insights into health, society, and nature, and inspires creative approaches to our pressing environmental and social crises.	while not directly talking about landscapes, the core concepts that this movie presents are the building blocks of all other regeneration sciences.
Mother Trees and the Social Forest, Susanne Simard	2021	https://www.youtube.com/watch?v=ydbzrun3opk	Forest Ecologist Suzanne Simard reveals that trees are part of a complex, interdependent circle of life; that forests are social, cooperative creatures connected through underground mycorrhizal networks by which trees communicate their vitality and vulnerabilities, and share and exchange resources and support. Simard's extraordinary research and tenacious efforts to raise awareness on the interconnectedness of forest systems, both above and below ground, has revolutionized our understanding of forest ecology. This increasing knowledge is driving a call for more sustainable practices in forestry and land management, ones that develop strategies based on the forest as a whole entity, not on trees as isolated individuals. Dr. Suzanne Simard is a Professor of Forest Ecology at the University of British Columbia and the author of "Finding the Mother Tree: Discovering the Wisdom of the Forest" (pub. 5/4/21).	Like Symbiotic Planet, this movie provides a foundation for the idea of symbiotic life on Earth.
Hope in a world of crisis: Water cycle restoration	2019	TedX talk https://www.ted.com/talks/zach_weiss_hope_in_a_world_of_crisis_water_cycle_restoration 2-hour webinar https://www.youtube.com/watch?v=...	Zach Weiss, an ecological warrior, emphasizes the tendency of the western world to practice symptom-based medicine. He stresses that there are actionable steps each of us can take to lessen the effects of climate change by shifting our efforts from symptom-based action to truly understanding the root cause.	Crisp summary on Zach Weiss' educational and inspirational work around the terrestrial water cycle and larger ecosystem regeneration.

		e.com/watch?v=EUwv98wByF8		
Reviving Rivers - Rajendra Singh	2020	TedX Talk: https://www.youtube.com/watch?v=xayAXtGwSfk Trailer to full movie: https://www.youtube.com/watch?v=2PMsiXkAmFk	Can we revive our rivers and landscapes? Can we bring water back to regions that have been desertified? Yes we can, and this example shows us how. Drought and water scarcity are now issues all around the world. Cities are running out of water, landscapes are engulfed in flames, and every year drought, flood and fire become more common and severe. Despite the huge amount of energy and money that has been put into developing elaborate water systems, the distribution and availability of water seems to continue getting worse. The engineered solutions that nations around the world have pursued, while solving our immediate needs, have made the long term outlook even more bleak. The best solutions we've found have come from people living close to their landscape, dependent on the health of their land for their own survival.	Rajendra Singh leveraged community to revive landscapes. His work is an excellent example of "leadership as host" - instead of solving problems for the community (an approach that seems to not work), Rajendra works with communities to empower them, inspire thousands of local leaders, and foster landscape renewal through communities.
Desert or Rainforest	2022	Trailer: https://www.youtube.com/watch?v=mf4jwkhCk_A	This video features a truly remarkable project that provides a pathway for restoring ecosystems and cooling our climate. Do we want to create desert or rainforest? It sounds too simple to be true, but the choice truly is ours to make. Even during the extreme heat and horrific bushfires of 2020 in Australia, this project provided a refuge of cooler temperatures, humidity, and productivity. What's so remarkable about this project is that it wasn't previously a rainforest. This rainforest was by choice, carefully co-created by humans. This project, led by Walter Jehne, shows how humans can be a positive force in increasing planetary health and the stability of our climate. Forests cool our climate and generate more consistent rain. We can create forests, even in dry, hot,	Truly hopeful narrative how humans can actively restore landscape health. The Australian bushfires in 2020 revealed the power of intentional regeneration.

			and arid landscapes, by working with water and soil conservation. Most places on earth receive enough rain for something like this to be possible, it is just a matter of how many times each raindrop is cycled by the ecosystem before it leaves. Through decentralized water retention, reforestation, revegetation, agroforestry, syntropic agriculture, regenerative agriculture, cover cropping, permaculture, and water and soil conservation - we can make these changes on our landscape for a more abundant and prosperous future.	
Fools & Dreamers - Regenerating a native forest	2020	https://www.youtube.com/watch?v=3VZSJKbzyMc	The incredible story of how degraded gorse-infested farmland has been regenerated back into beautiful New Zealand native forest over the course of 30 years. Fools & Dreamers: Regenerating a Native Forest is a 30-minute documentary about Hinewai Nature Reserve, on New Zealand's Banks Peninsula, and its kaitiaki/manager of 30 years, botanist Hugh Wilson. When, in 1987, Hugh let the local community know of his plans to allow the introduced 'weed' gorse to grow as a nurse canopy to regenerate farmland into native forest, people were not only skeptical but outright angry – the plan was the sort to be expected only of "fools and dreamers".	Short and crisp true tail of an extraordinary person's life. Less about community than about the vision of an individual.
5 Most Epic Earth Healing Projects	2022	https://www.youtube.com/watch?v=Tpozw1CAxmU	Permaculture instructor Andrew Millison reveals his picks for the 5 most epic Earth healing projects in the world. Project 1: Arvari River Restoration Project Website: Project 2: The Chikukwa Project Footage used is from the documentary "The Chikukwa Project" Trailer: https://www.youtube.com/watch?v=svj3O... Purchase DVD: https://us.permacultureprinciples.com... Project 3: GRAVIS Jodhpur Project Website:	Crisp summary of several large-scale landscape transformations. Inspirational - scale is possible, if communities make it their shared priority.

			https://www.gravis.org.in/ Project 4: The Loess Plateau Footage from "Hope in a Changing Climate" by John D. Liu: https://youtu.be/bLdNhZ6kAzo Project 5: The Paani Foundation Project Website: https://www.paanifoundation.in/ Bonus Project: Regenerative Resources Project Website: https://regenerativeresources.co/	
The Biggest Little Farm	2020	https://www.apricotlanefarms.com/biggest-little-farm/	A couple are followed through their successes and failures as they work to develop a sustainable farm on 200 acres outside of Los Angeles. Over the years, the desolate they purchase begins to thrive and its transformed.	Excellent story telling about the difficulties of regenerative farming
Sara Scherr on how to work on landscape scale regeneration on 1000 landscapes for 1 billion people	2022	https://investinginregenerativeagriculture.com/2022/03/15/sara-scherr-2/	After five years Dr Sara Scherr, agricultural and natural resource economist, President, CEO and founder of EcoAgriculture Partners, comes back on the podcast to share about 1000 landscapes for 1 Billion people and much more. 5 years ago in conversation with her, we talked for the first time ever about stranded assets in agriculture.	Excellent podcast!
Living the Change:	2018	https://www.youtube.com/watch?v=gq9sg397ee8	Living the Change is a feature-length documentary that explores solutions to the global crises we face today – solutions any one of us can be part of – through the inspiring stories of people pioneering change in their own lives and in	Focuses on individual lifestyle choices rather than community-level actions. Useful to inform individuals

Inspiring Stories for a Sustainable Future			their communities in order to live in a sustainable and regenerative way. Directors Jordan Osmond and Antoinette Wilson have brought together stories from their travels, along with interviews with experts able to explain how we come to be where we are today. From forest gardens to composting toilets, community supported agriculture to timebanking, Living the Change offers ways we can rethink our approach to how we live.	and fill “change’ with content, but not focusing on the core leverage point identified for landscape regeneration.
The Art of Life	2022	https://www.youtube.com/watch?v=7gUh8j5ui0o	A documentary about the art of living outside of conventions, in deep integrity with one's essence. Featuring Michael Behrens. Subtitled in Arabic, Chinese, Czech, Dutch, French, German, Italian, Polish, Portuguese, Spanish, Japanese, Russian, Turkish. By the team that brought you https://www.TheWisdomOfTrauma.com . As a rising star in the field of abstract mathematics, Michael discovered that he could see beauty and pattern where others could not. But his path was not to be inside academia, or even inside society. He went on a grand adventure to unify his Buddhism with his ability to see an expanded view of reality. He created beauty in a place where nobody else would, and made his friends amongst dolphins.	
The Earthing Movie: The Remarkable Science of Grounding	2020	https://www.youtube.com/watch?v=44dtROXDVU	"The Earthing Movie: The Remarkable Science of Grounding" is directed by Sundance Award-Winning filmmakers Josh and Rebecca Tickell (The Big Fix, FUEL, etc). This is a feature-length documentary based on their viral short film entitled 'Down To Earth,' that reveals the scientific phenomenon of how we can heal our bodies by doing the simplest thing that a person can do...standing barefoot on the earth. The winner of the Audience Award for Best Documentary at Dances With Films Festival, the film shares the Tickell family's journey with the healing power of	Again, an individual story about personal healing. This topic however lays the basis for community healing!

			grounding, aka earthing, and the people they met and learned from along the way; featuring grounding pioneer Clint Ober, author Deepak Chopra M.D., actress/activist Amy Smart, author/activist Mariel Hemingway, cardiologist Dr. Stephen Sinatra, renowned healer Dr Joseph Mercola, engineer and physicist Gaetan Chevalier, PhD. and many others.	
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Courses and webinars

Course title	Offered by whom?	Duration	Cost	Description
Landscape Finance: Investing in Innovation for Sustainable Landscapes	Commonland / 1000 Landscapes for 1 Billion People: a radical collaboration Now more than ever, the world needs viable solutions based on social and ecological needs, science and entrepreneurship. For this to happen, we need a practical holistic approach that everybody understands. Series tackles the four more complex issues in landscape restoration: Leadership, investment, governance, and the scientific basis. Course content draws on eight large-scale regeneration projects in South Africa, Australia, Netherlands, Spain, India, Haiti, Zambia, Germany	4 weeks, 2h/week	Free	Bridge the gap between finance and landscape! Learn to navigate the web of landscape financial flows, mechanisms and requirements toward developing cutting-edge business cases and models for sustainable development in landscapes.
Landscape Leadership: Catalyse Sustainable Development in Landscapes	“We work with large scale landscapes initiatives, as ecology will then work for you. Our holistic approach to landscape restoration starts by understanding local leadership, ecological restoration potential, land tenure and economics of an area. We explore the potential of regenerative business cases, able to drive 4 Returns landscape restoration at scale.	4 weeks, 2h/week	Free	Learn how to become a landscape leader! Get the skills to mobilise human resources, manage and resolve conflict and facilitate and motivate stakeholders to achieve SDG-focused sustainable change.
Landscape Governance: Collaborating Across Sectors and Scales	The first step in landscape restoration is co-creating a common vision for the landscape. We use a process based on Theory U as developed by the Presencing Institute. These landscape vision quests with farmers, landowners, local NGO's, governments, and entrepreneurs raise awareness amongst all in a way that allow them to see their own blind spots and opens their minds, hearts and efforts. It provides the relevant touch points needed throughout the years to identify and prioritize activities and realise long lasting landscape restoration partnerships.”	4 weeks, 2h/week	Free	Finding local solutions to global challenges relies on collaboration & innovation. Equip yourself with the knowledge & skills to design and implement effective landscape governance that harnesses the power of place for sustainable landscape solutions.
Climate Action in Biodiverse Landscapes		4 weeks, 2h/week	Free	There is no planet B. It's time to take effective climate action for which collaboration and innovation are key. This online course will boost your knowledge and skills to help you move from analysis to action in order to develop climate smart landscapes across the world.

Nature-based Urban Regeneration	How can we use nature to improve life in our cities? This course shares knowledge generated in urban Living Labs in Europe and China and will introduce you to co-designing, co-implementing and evaluating nature-based solutions for urban renewal with local communities. Learn how to set up your own nature-based regeneration strategy.	5 weeks, 5-6 h/wk	free	
FAO: Introduction to forest and landscape restoration	Degradation of forests and landscapes impacts the global climate, and also the food security and livelihoods of communities. Forest and landscape restoration (FLR) is a process which brings stakeholders together to create healthy, resilient and productive landscapes and meet national, regional and global commitments. This course has been developed to introduce the key concepts and process of forest and landscape restoration.	45 m of learning	Free	Brief introduction course
CERES: Landscape Restoration and Indigenous Ecology	In-person course, Develop an understanding of ecology & conservation in urban environments and connect to place Naarm (Melbourne) is one of the most liveable cities in the world, host to rich biodiversity, parks, gardens and waterways. However, with the challenges of climate change and expanding development our natural environment is under increasing stress. There are 8-sessions in this course. This course will run on the following date in 2022: Fridays 14 October – 2 December	8 weeks, in person	Au\$65- Au\$690	

Kiss The Ground Soil Advocate training	Taught by Kiss the Ground Co-founder Finian Makepeace, Soil Advocate Training (SAT) is a robust introduction to regeneration and training program designed to equip people with in-depth knowledge about the key solutions available through soil regeneration and how to use these concepts to create real impact and inspire hope. This online course empowers anyone, anywhere, to transform into a valuable part of the soil health and regenerative agriculture movements by offering multiple advocacy pathways and giving students the confidence to effectively present and advocate to a variety of target audiences.	8 weeks, 1h/week	US\$150	Excellent basis for learning the science, and becoming an active advocate. Finian Makepeace is a trained actor and self-taught advocate with excellent communication skills. This course was co-developed with the best scientists.
https://www.integritysoils.co.nz/create/ Soil Health Consultant training	CREATE is an 18 -week program designed to train and empower consultants and coaches in the theory, principles and practices behind healthy, regenerative agricultural systems. First online class starts on Thursday the 30th June. The in-field 6 days covers hands-on learning and classroom time 10-16th July. The weekly sessions includes a 3-hour webinar, practical and theoretical coursework and coaching support. At the end of the program there is a 3-day session back in the field to bring all of the learning together. At the completion of this training, attendees will have the business plans, skills, tools and templates required to start their own agroecological coaching businesses to provide services so desperately needed in the rural sector today. This program is offered in the US in 2022 only. Depending on travel restrictions NZ and Australian schools may be offered in 2023.	var	var	Training for professional consultants

Landscape regeneration initiatives

Name	Description	About	Date
Centre for Landscape Regeneration , U Cambridge	The Cambridge Conservation Research Institute, in collaboration with Cambridge Zero and Cambridge Conservation Initiative partners, has been awarded £10 million in funding by NERC to create a new Centre for Landscape Regeneration . The Centre will deliver a major countryside regeneration programme to safeguard the UK's most important ecosystems and agricultural land. As part of the programme, researchers will tackle environmental threats to our home-grown produce and rare and endangered wildlife, with projects spanning from eco-friendly farming in the Fens to protecting pine martens in the Cairngorms.	The Centre for Landscape Regeneration will provide the knowledge and tools needed to regenerate the British countryside using cost-effective nature-based solutions that harness the power of ecosystems to provide broad societal benefits including biodiversity recovery and climate mitigation and adaptation. “The emphasis of the Centre for Landscape Regeneration will be on whole systems approaches, as these are critical to addressing the root challenges of landscape regeneration”. This means taking a holistic, long-term view that encompasses the whole ecology of a region. Whilst Professor Shuckburgh exclaims “We aim to make a demonstrable difference to the way landscape restoration is designed, implemented, scaled up and supported by policy, ensuring solutions are resilient, inclusive and sustainable.”	2022
Regeneration Academy, Spain	The Regeneration Academy is a young ambitious organization that works on the transition towards regenerative agriculture and entrepreneurship. Our ambition is to further grow the ecosystem of regenerative agricultural initiatives. Our range of activities and programs encompasses working with all		

	stakeholders we belief necessary to create positive change.		
www.Commonland.com	As initiator, catalyst and enabler of large-scale and long-term restoration initiatives, Commonland is on a mission to transform degraded landscapes into thriving ecosystems and communities based on sound business cases and aligned with international policies and guidelines.	The world's landscapes and ecosystems are degrading at an unprecedented pace. It's in our common interest to build resilient landscapes, restore healthy ecosystems and create regenerative businesses for generations to come. Large-scale, long-term restoration Since 2013, we have worked tirelessly to build a universal proof of concept that brings farmers, landowners, entrepreneurs, communities, nature organisations and legislators together to create real returns on investment per hectare. Called 4 Returns, this framework is capable of initiating, organising and following through on large-scale and long-term restoration initiatives that integrate ecology, land use and business.	
1000 Landscapes for One Billion People	By 2030, Landscape Partnerships are delivering sustainable landscape solutions across 1000 landscapes for 1 billion people—contributing powerfully to Sustainable Development Goals and aligning actions to meet global targets for addressing food and water insecurity, biodiversity loss, land degradation and climate change.	Through five interconnected services 1000L will provide the tools, finance and connections that Landscape Partnerships need to achieve their visions.	