

# The Desert Spiral Initiative

by Howard Gaukrodger

## Appendix 2: Bibliography of sources inspiring the story

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- 9th World Water Forum—Dakar 2021*. (n.d.). Retrieved 1 June 2022, from <https://worldwaterforum.org/en/199d3512-2f99-4cd4-ad82-976cb23ecc8b.png> (PNG Image, 938 × 792 pixels). (n.d.). Retrieved 1 June 2022, from <https://file.scirp.org/Html/htmlimages/16-9401567x/199d3512-2f99-4cd4-ad82-976cb23ecc8b.png>
- Africa's Great Green Wall: Close to 18 million hectares of land restored*. (2020, September 6). Africa Renewal. <https://www.un.org/africarenewal/web-features/africa-great-green-wall-close-18-million-hectares-land-restored-back-health>
- Africa-wide 'Great Green Wall' to Halt Sahara's Spread?* (2010, July 1). Science. <https://www.nationalgeographic.com/science/article/091228-great-green-wall-trees-senegal-sahara-desert>
- Agave*. (2022). In *Wikipedia*. <https://en.wikipedia.org/w/index.php?title=Agave&oldid=1088962654>
- Agriculture Biodiversity Stewardship Package—DAWE*. (n.d.). Retrieved 18 May 2022, from <https://www.awe.gov.au/agriculture-land/farm-food-drought/natural-resources/landcare/sustaining-future-australian-farming>
- Alluvial Gold Explained—To Help You Find Gold*. (n.d.). Retrieved 20 May 2022, from <https://www.gold-prospecting-wa.com/alluvial-gold.html>
- Ancient gold camp discovered along the Nile*. (n.d.). NBC News. Retrieved 16 May 2022, from <https://www.nbcnews.com/id/wbna19313347>
- Anti-Desertification Plants. (2009, November 24). *DESERTIFICATION*. <https://desertification.wordpress.com/anti-desertification-plants/>
- Aravalli Range. (2022). In *Wikipedia*. [https://en.wikipedia.org/w/index.php?title=Aravalli\\_Range&oldid=1080783109](https://en.wikipedia.org/w/index.php?title=Aravalli_Range&oldid=1080783109)
- Berber Dress* | *Encyclopedia.com*. (n.d.). Retrieved 27 May 2022, from <https://www.encyclopedia.com/fashion/encyclopedias-almanacs-transcripts-and-maps/berber-dress>
- Bringing degraded African land back to life*. (n.d.). Food and Agriculture Organization of the United Nations. Retrieved 2 June 2022, from <http://www.fao.org/fao-stories/article/en/c/1469336/>
- Bringing degraded African land back to life*. (2022a, February 1). Africa Renewal. <https://www.un.org/africarenewal/magazine/february-2022/bringing-degraded-african-land-back-life>
- Bringing degraded African land back to life*. (2022b, February 1). Africa Renewal. <https://www.un.org/africarenewal/magazine/february-2022/bringing-degraded-african-land-back-life>
- Carbon Capture: Early Days of a \$1 Trillion Industry? (2022, February 28). *ShareCafe*. <https://www.sharecafe.com.au/2022/02/28/carbon-capture-early-days-of-a-1-trillion-industry/>
- Carbon dioxide, global warming and you—Carbonify*. (n.d.). Retrieved 8 June 2022, from <http://www.carbonify.com/>
- Climate and average monthly weather in Siwa (Matruh), Egypt*. (n.d.). World Weather & Climate Information. Retrieved 2 June 2022, from <https://weather-and-climate.com:80/average-monthly-Rainfall-Temperature-Sunshine,Siwa,Egypt>
- Cotthem, A. W. V. (2015, March 15). The Great Green Wall in Algeria. *DESERTIFICATION*. <https://desertification.wordpress.com/2015/03/15/the-great-green-wall-in-algeria/>
- Crouvi, O., Schepanski, K., Amit, R., Gillespie, A. R., & Enzel, Y. (2012). Multiple dust sources in the Sahara Desert: The importance of sand dunes. *Geophysical Research Letters*, 39(13). <https://doi.org/10.1029/2012GL052145>
- Desert Soil Overview: Formation, Layers, Colors, and Uses – SOILGROUND*. (n.d.). Retrieved 16 May 2022, from <https://www.soilground.com/what-is-soil/soil-types/desert-soil/>
- Desert Soils—An overview* | *ScienceDirect Topics*. (n.d.). Retrieved 16 May 2022, from <https://www.sciencedirect.com/topics/agricultural-and-biological-sciences/desert-soils>

# The Desert Spiral Initiative

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## Appendix 2: Bibliography (contd.)

---

- Doherty, B. (2018, December 13). Reforesting the world: The Australian farmer with 240m trees to his name. *The Guardian*. <https://www.theguardian.com/environment/2018/dec/14/reforesting-world-australian-farmer-240m-trees>
- eco-hydrate—500ml*. (n.d.). AusPots. Retrieved 27 May 2022, from <https://www.auspots.com.au/products/eco-hydrate>
- Egypt has 85 projects to adapt to climate change*. (n.d.). Retrieved 31 May 2022, from <https://www.egypt-business.com/news/details/2220-egypt-has-85-projects-to-adapt-to-climate-change/423347>
- Egypt pushes forward on clean energy*. (n.d.). Retrieved 31 May 2022, from <https://www.egypt-business.com/news/details/2221-egypt-pushes-forward-on-clean-energy-2/423427>
- Egypt to use Nile silt for desert development: An unprecedented project. (2011, April 16). *Horn Affairs*. <https://hornaffairs.com/2011/04/17/egypt-to-use-nile-silt-for-desert-development-an-unprecedented-project/>
- Egypt-balloons-21.jpg (JPEG Image, 1024 × 768 pixels)*. (n.d.). Retrieved 30 May 2022, from <https://www.buckettripper.com/wp-content/uploads/2011/12/Egypt-balloons-21.jpg>
- Egyptian Staple Foods*. (n.d.). Travel Tips - USA Today. Retrieved 11 June 2022, from <https://traveltips.usatoday.com/eat-egypt-101531.html>
- Egypt—People | Britannica*. (n.d.). Retrieved 20 May 2022, from <https://www.britannica.com/place/Egypt/People>
- Egypt—Settlement patterns | Britannica*. (n.d.). Retrieved 20 May 2022, from <https://www.britannica.com/place/Egypt/People>
- Epic Guide: The Right Way to Plant a Fruit Tree in the Desert. (2019, June 24). *Gardening in the Desert*. <https://www.gardeninginthedesert.com/epic-guide-the-right-way-to-plant-a-fruit-tree-in-the-desert/>
- Farmer-managed natural regeneration. (2022). In *Wikipedia*. [https://en.wikipedia.org/w/index.php?title=Farmer-managed\\_natural\\_regeneration&oldid=1084202314](https://en.wikipedia.org/w/index.php?title=Farmer-managed_natural_regeneration&oldid=1084202314)
- Feddan. (2021). In *Wikipedia*. <https://en.wikipedia.org/w/index.php?title=Feddan&oldid=1042441006>
- Frost, D. B. (2012, March 29). *Formula calculates how much water each tree needs*. Midland Reporter-Telegram. <https://www.mrt.com/lifestyles/article/Formula-calculates-how-much-water-each-tree-needs-7432435.php>
- Generational Autonomy. (01:07:20 UTC). *Sahara Aquifer—20X More Water Than Africa's Total Surface Water*. <https://www.slideshare.net/IsraelANY/sahara-aquifer-20x-more-water-than-africas-total-surface-water>
- Great Green Wall (Africa). (2022). In *Wikipedia*. [https://en.wikipedia.org/w/index.php?title=Great\\_Green\\_Wall\\_\(Africa\)&oldid=1085033016](https://en.wikipedia.org/w/index.php?title=Great_Green_Wall_(Africa)&oldid=1085033016)
- Great Man-Made River. (2022). In *Wikipedia*. [https://en.wikipedia.org/w/index.php?title=Great\\_Man-Made\\_River&oldid=1088677199](https://en.wikipedia.org/w/index.php?title=Great_Man-Made_River&oldid=1088677199)
- Groundwater: Making the invisible visible in 2022 and beyond | UNESCO*. (n.d.). Retrieved 1 June 2022, from <https://www.unesco.org/en/articles/groundwater-making-invisible-visible-2022-and-beyond>
- Harden, B. (1986, April 5). How Not to Aid African Nomads. *Washington Post*. <https://www.washingtonpost.com/archive/politics/1986/04/05/how-not-to-aid-african-nomads/df2edbff-7294-46dd-abf1-fc3dc13b36ff/>
- HAV. (n.d.). Retrieved 8 June 2022, from <https://www.hybridairvehicles.com/>
- How CargoLifter's Airship Will Work*. (2000, December 18). HowStuffWorks. <https://science.howstuffworks.com/transport/flight/future/cargolifter.htm>
- How Do Hot Air Balloons Work?* (n.d.). Virgin Balloon Flights. Retrieved 30 May 2022, from <https://www.virginballoonflights.co.uk/blog/how-do-hot-air-balloons-work>
- <https://cropcirclefarms.com>. (n.d.). *Crop Circles Grow Plants Faster*. Crop Circle Farms. Retrieved 18 May 2022, from <https://cropcirclefarms.com/accelerated-agriculture.html>

# The Desert Spiral Initiative

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## Appendix 2: Bibliography (contd.)

---

- <https://treeplantation.com>. (n.d.). *Calculate How Many Trees Per Acre*. Tree Plantation. Retrieved 17 May 2022, from <https://treeplantation.com/tree-spacing-calculator.html>
- <http://treeplantation.com>. (n.d.). *TREE PLANTATION | Protect and grow your money*. Tree Plantation. Retrieved 31 May 2022, from <https://treeplantation.com>
- ignite. (2019, October 5). *What's the Optimal Tree Spacing Distance When Planting Multiple Trees?* Pro-Cut Tree Service. <https://pro-cuttreeservice.com/2019/10/whats-the-optimal-tree-spacing-distance-when-planting-multiple-trees/>
- In China, paying farmers to restore forest landscapes*. (2018, January 11). CIFOR Forests News. <https://forestsnews.cifor.org/53502/in-china-paying-farmers-to-restore-forest-landscapes?fnl=en>
- Joint Authority for the study and development of the NUBIAN sandstone aquifersystem*. (n.d.). Retrieved 18 May 2022, from [https://nsasja.org/domain\\_en.php](https://nsasja.org/domain_en.php)
- Konecny, P. (2021, May 6). Boring to make Sahara Green again. *Age of Awareness*. <https://medium.com/age-of-awareness/boring-to-make-sahara-green-again-4d7aa7ab906d>
- List of national identity card policies by country. (2022). In *Wikipedia*. [https://en.wikipedia.org/w/index.php?title=List\\_of\\_national\\_identity\\_card\\_policies\\_by\\_country&oldid=1087500934](https://en.wikipedia.org/w/index.php?title=List_of_national_identity_card_policies_by_country&oldid=1087500934)
- Major Ethnic Groups in Egypt*. (2018, July 20). WorldAtlas. <https://www.worldatlas.com/articles/what-is-the-ethnic-composition-of-egypt.html>
- Managing shared aquifer resources in Africa—UNESCO Digital Library*. (n.d.). Retrieved 16 May 2022, from <https://unesdoc.unesco.org/ark:/48223/pf0000138581>
- Mario. (n.d.). How Much Weight Can a Drone Carry? *Drone Tech Planet*. Retrieved 8 June 2022, from <https://www.dronetechplanet.com/how-much-weight-can-a-drone-carry/>
- Matignon, L. de G. (2019, September 23). Dirigible balloons and their future applications. *Space Legal Issues*. <https://www.spacelegalissues.com/the-future-of-dirigible-balloons/>
- Ministry of Water Resources and Irrigation (Egypt). (2022). In *Wikipedia*. [https://en.wikipedia.org/w/index.php?title=Ministry\\_of\\_Water\\_Resources\\_and\\_Irrigation\\_\(Egypt\)&oldid=1080936653](https://en.wikipedia.org/w/index.php?title=Ministry_of_Water_Resources_and_Irrigation_(Egypt)&oldid=1080936653)
- Moneim, A. A. A., Zaki, S., & Diab, M. (2014). Groundwater Conditions and the Geoenvironmental Impacts of the Recent Development in the South Eastern Part of the Western Desert of Egypt. *Journal of Water Resource and Protection*, 2014. <https://doi.org/10.4236/jwarp.2014.64040>
- Muresianu, J. (2020, March 19). African Locusts—Climate Change “Green Colonialism,” and the Threat of Mass Starvation. *Medium*. <https://john-muresianu.medium.com/african-locusts-climate-change-green-colonialism-and-the-threat-of-mass-starvation-137d4eaaf091>
- Namibia*. (n.d.). Seawater Solutions. Retrieved 20 May 2022, from <https://seawatersolutions.org/namibia/>
- no\_name12. (2020, April 15). *The Most Amazing Desert Trees*. Leafy Place. <https://leafyplace.com/desert-trees/>
- Nubian Aquifer | Unesco Groundwater Portal*. (n.d.). Retrieved 18 May 2022, from <https://groundwaterportal.net/project/nubian-aquifer>
- Nubian Sandstone Aquifer System. (2022). In *Wikipedia*. [https://en.wikipedia.org/w/index.php?title=Nubian\\_Sandstone\\_Aquifer\\_System&oldid=1077713838](https://en.wikipedia.org/w/index.php?title=Nubian_Sandstone_Aquifer_System&oldid=1077713838)
- Pics: One of Egypt's most arid governorates plans to be main producer of jojoba oil*. (2021, September 14). EgyptToday. <https://www.egypttoday.com/Article/3/107828/Pics-One-of-Egypt-s-most-arid-governorates-plans-to>
- Plants That Grow In The Sahara Desert*. (2019, July 10). WorldAtlas. <https://www.worldatlas.com/articles/plants-that-grow-in-the-sahara-desert.html>
- Plumbing the Sahara—The Nubian Sandstone Aquifer System. (n.d.). *Plumbing the Sahara - The Nubian Sandstone Aquifer System*. Retrieved 18 May 2022, from <https://thenextoil.blogspot.com/2019/11/plumbing-sahara-nubian-sandstone.html>

# The Desert Spiral Initiative

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## Appendix 2: Bibliography (contd.)

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- Quadri, E. (n.d.). *The Nubian Sandstone Aquifer System – A case of cooperation in the making*. 10.
- Sahara. (2022). In *Wikipedia*. <https://en.wikipedia.org/w/index.php?title=Sahara&oldid=1088611273>
- Sahara Desert-Plants—Crops*. (2009, January 6). *EzineArticles*. <https://ezinearticles.com/?Sahara-Desert-Plants---Crops&id=1845605>
- Sahara Forest Project. (2021). In *Wikipedia*. [https://en.wikipedia.org/w/index.php?title=Sahara\\_Forest\\_Project&oldid=1061778914](https://en.wikipedia.org/w/index.php?title=Sahara_Forest_Project&oldid=1061778914)
- Sand and Dust Storms*. (2017, February 8). <https://public.wmo.int/en/https%3A//www.wmo.int/sdswas>
- Schepanski, K., Tegen, I., Laurent, B., Heinold, B., & Macke, A. (2007). A new Saharan dust source activation frequency map derived from MSG-SEVIRI IR-channels. *Geophysical Research Letters*, 34(18). <https://doi.org/10.1029/2007GL030168>
- Seada, E. T., Mohamed, D. R., Fletscher, M. T., Abouleish, M. H., & Abouleish-Boes, M. M. (n.d.). *Study prepared for the Carbon Footprint Center by*. 24.
- Solar energy to power the wells in Egypt's land reclamation project—Economy—Business*. (n.d.). *Ahram Online*. Retrieved 6 June 2022, from <https://english.ahram.org.eg/NewsContentP/3/139807/Business/Solar-energy-to-power-the-wells-in-Egypt-land-rec.aspx>
- Technology*. (n.d.). *Seawater Greenhouse*. Retrieved 18 May 2022, from <https://seawatergreenhouse.com/technology>
- The Islamic Etiquette of dealing with people | IqraSense.com*. (n.d.). Retrieved 27 May 2022, from <https://www.iqrasense.com/muslim-character/the-islamic-etiquette-of-dealing-with-people.html>
- Top 10 Military Trucks | Military-Today.com*. (n.d.). Retrieved 27 May 2022, from [http://military-today.com/trucks/top\\_10\\_military\\_trucks.htm](http://military-today.com/trucks/top_10_military_trucks.htm)
- Toshka agricultural project revived amid Egypt's hope to achieve self-sufficiency in wheat*. (2022, April 21). *EgyptToday*. <https://www.egypttoday.com/Article/1/115145/Toshka-agricultural-project-revived-amid-Egypt's-hope-to-achieve-self>
- Tribes of egypt at DuckDuckGo*. (n.d.-a). Retrieved 20 May 2022, from <https://duckduckgo.com/?q=tribes+of+egypt&t=newext&atb=v312-1&iar=images&iax=images&ia=images&iai=http%3A%2F%2Fdiscoversinai.net%2Fenglish%2Fwp-content%2Fuploads%2F2015%2F04%2Fbedouin-tribes-map-sinai.jpg>
- Tribes of egypt at DuckDuckGo*. (n.d.-b). Retrieved 20 May 2022, from <https://duckduckgo.com/?q=tribes+of+egypt&t=newext&atb=v312-1&iar=images&iax=images&ia=images&iai=http%3A%2F%2Fdiscoversinai.net%2Fenglish%2Fwp-content%2Fuploads%2F2015%2F04%2Fbedouin-tribes-map-sinai.jpg>
- Tribes.gif (GIF Image, 230 x 320 pixels)*. (n.d.). Retrieved 20 May 2022, from [https://4.bp.blogspot.com/\\_zHuWL7vjmBA/ShvT037zC1I/AAAAAAAAA18/IR2EW\\_deinQ/s320/tribes.gif](https://4.bp.blogspot.com/_zHuWL7vjmBA/ShvT037zC1I/AAAAAAAAA18/IR2EW_deinQ/s320/tribes.gif)
- Vallerani System*. (n.d.). Retrieved 2 June 2022, from <http://www.vallerani.com/wp/>
- What is CO2e? Carbon Dioxide Equivalent Definition, Meaning & Impact | Inspire | Inspire Clean Energy*. (n.d.). Retrieved 17 May 2022, from <https://www.inspirecleanenergy.com/blog/clean-energy-101/what-is-co2e>
- What is river silt: Features and useful properties*. (n.d.). Retrieved 17 May 2022, from <https://en.delachieve.com/what-is-river-silt-features-and-useful-properties/>
- World's Largest Solar Project Planned for Saharan Desert. (2009, June 22). *Inhabitat - Green Design, Innovation, Architecture, Green Building | Green Design & Innovation for a Better World*. <https://inhabitat.com/worlds-largest-solar-project-sahara-desert/>
- Wreglesworth, R. (n.d.). *Storing Carbon in Plants and Trees – How Much CO2 is Absorbed by Trees and Other Vegetation? Innovate Eco*. Retrieved 8 June 2022, from <https://innovate-eco.com/storing-carbon-in-plants-and-trees-how-much-co2-is-absorbed-by-trees-and-other-vegetation/>