



## **Workshops** inspired by the “Gaia Paradigm”

For educators, students, environmental  
& sustainability organizations, businesses etc.

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**The Gaia Paradigm . . .** the confluence of “cutting edge” **scientific understandings** of Earth as a living system with **cultural understandings** (ancient and new) of human society as a seamless continuum of Earth’s life. *Martin Ogle’s multi-media, interdisciplinary workshops elegantly weave our human nature (our stories, our beliefs . . . our minds) with Earth science and ecology. Learn how to apply these new insights to sustainability, entrepreneurship, and the health and well-being of our communities.*  
**. . . Discover the world in a whole new way!**

### Praise from presentation participants:



“My brain wants to EXPLODE from the concepts learned today . . . and that’s a wonderful thing!” - *Workshop participant, 2013*



“I recommend most enthusiastically the excellent Gaia Paradigm programs presented by Martin Ogle, as a way of adding substantively to our understanding of our environment, of sustainability and quality of life . . . [He] is a most captivating and engaging speaker, able to communicate a depth of knowledge of his subject in plain and accessible language. He leaves listeners amazed, and thinking “Why haven’t I considered this perspective before? . . . “I believe [*the Gaia Paradigm*] will be a break-out theme for community organizations, academic departments, nature centers, activist organizations, units of government, and business groups.” - *Larry Kascht, Retzer Nature Center, Waukesha County Parks, WI*



“Listen, join his conversation and be thrilled.” - *Lynn Margulis, Distinguished University Professor in the Department of Geosciences, Univ.of Massachusetts-Amherst.* (Lynn Margulis passed away in 2011)

**INFORMATION ON WORKSHOP OPTIONS AND CONTENT – NEXT PAGE**

## Underlying the Gaia Paradigm and workshops by Martin Ogle:

The workshops, described below, incorporate Earth system science with stories, metaphors and cultural views of land and people from around the world. Emphasis is placed on Gaia Theory which posits that the organic and inorganic parts and processes of Earth are enmeshed as a single living system that has greatly moderated global temperature, atmospheric content, ocean salinity, and other factors. In this respect, Earth's living system can be thought of as analogous to an individual organism that regulates body temperature, blood salinity, etc. Human beings are a seamless continuum of the Gaian system. Our economics, energy systems, and even the ways we think and behave, are all part of Earth's ecology and evolution.

Gaia theory was developed in the late 1960's by a British scientist, Dr. James Lovelock. As part of his research with NASA in which he concluded there was no life on Mars, he came to profound new insights about the life of Earth. The idea gained early support from eminent microbiologist, Lynn Margulis. Mechanisms by which life moderates and regulates conditions at Earth's surface are now incorporated into Earth system science. Gaia Theory also provides exciting new insights into human connections to Earth's living system with implications for how we can live sustainably and well.

## Sample workshop titles / optional areas of emphasis

**The Gaia Paradigm: The Confluence of Earth Science and Earth Story** – this workshop offers the basic elements and emphases listed in this document.

**37 Amazing Things You Didn't Know about the Earth System** – emphasizes Earth system science, providing participants a greater number of specific scientific findings.

**Geo sapiens: The Earth-Wise Human** - emphasizes the evolution of human consciousness as a key element of the evolution of Earth's living system.

**Energy, Sustainability and a Living Earth** - emphasizes sustainability issues in the context of how energy works in living systems, and examines cultural views and wisdom of the same. **Currently only available in/near Boulder County, CO.**

**Oikos, Gaia & Earth System Science; The Evolution of an Earth Ethic** – an exploration of the evolution of an Earth Ethic from Aldo Leopold's "Land Ethic" and other traditions.

## All workshops:

- Introduce the **science of Gaia Theory**, its history and evolution over the past few decades. Emphasis is placed on the interdisciplinary discoveries and insights that Gaia Theory has yielded and the interdisciplinary "lens" it provides.
- Explore the **history and significance of the name "Gaia"** in communicating the idea metaphorically, and also how the metaphor provides practical and profound insights into the science. This exploration includes comparing and contrasting modern and ancient viewpoints / understandings of nature and Earth.

**Continued >**

- Examine **implications of Gaia Theory for sustainability challenges** of our day, especially energy, agriculture and entrepreneurship.
- Workshops always include **hands-on activities, handouts, reading lists, etc., and can include other materials such as the books (i.e., “Gaia in Turmoil” (MIT Press, 2009)),** and other ways to learn more about the “Gaia Paradigm.”
- Can include **significant outdoor time** (depending on time availability and access), for discovering “Gaian principles” in ecosystems near the workshop location.
- Include **discussion on how human behavior (and, thus, our stories, metaphors and worldviews) are a dominant element of Earth’s living system.** This discussion can be expanded to explore the evolution of human awareness of time and self, a history of worldviews on nature, and other ways in which our human mind is a seamless continuum of our living planet.
- Explore how participants can view their work, research and other activities through a “**Gaia Paradigm lens**” yielding constructive ways to teach about, design in, and enjoy the world!
- Can be **tailored to the needs of different audiences.** For instance, delving into how Gaia Theory can be used in natural history interpretation, in schools (4<sup>th</sup> grade – college), businesses, team development, and more.

Workshops can be presented in **part-day (3-5 hours), one day, or two day durations. Fees vary from \$400 to \$850 for non-profits** (slightly higher for businesses). Expenses (travel, lodging, meals) are extra for workshops outside of Boulder County, CO. (Lodging and meals can be “in-kind.”)

## Bio

Martin Ogle retired in 2012 from a 27 year career as Chief Naturalist for the Northern Virginia Regional Park Authority and founded Entrepreneurial Earth LLC as a catalyst for sustainability.

He was awarded the **2010 Krupsaw Award for Non-Traditional Teaching** for outstanding teaching in informal and non-academic settings by the Washington Academy of Sciences.



For more than 20 years, Martin has presented lectures, courses and workshops on Gaia Theory to universities, public groups, environmental organizations, and other audiences. He has spoken in 7 states, Washington, D.C., Puerto Rico, Canada and South Korea. In 2006, he organized a major conference on Gaia Theory in Arlington, VA, that led to publication of the book “Gaia in Turmoil” (MIT Press, 2009). See [www.EntrepreneurialEarth.com](http://www.EntrepreneurialEarth.com) for testimonials and references.

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