

Combating climate change with Biodynamics

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What is Biodynamics?

Biodynamics is on the forefront of carbon sequestration and helping to regenerate the Earth.

Biodynamics is a holistic, ecological, and ethical approach to farming, gardening, food, and nutrition.

Biodynamics is rooted in the work of philosopher and scientist Dr. Rudolf Steiner, whose 1924 lectures to farmers opened a new way to integrate scientific understanding with a recognition of spirit in nature.

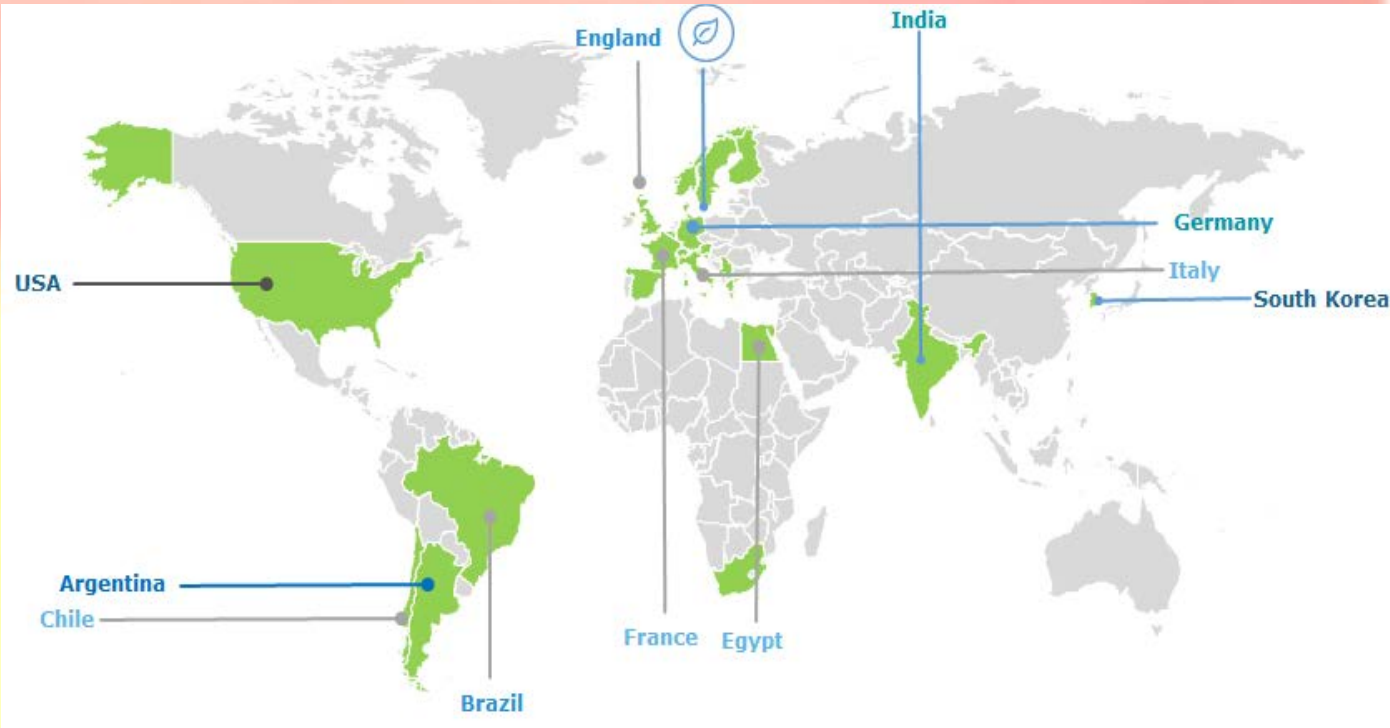
Biodynamics has continued to develop and evolve since the 1920s through the collaboration of many farmers and researchers. Around the world, biodynamics is alive in hundreds of thousands of thriving gardens, farms, vineyards, ranches, and orchards. The principles and practices of biodynamics can be applied anywhere food is grown, with thoughtful adaptation to scale, landscape, climate, and culture.

Biodynamic Principles and Practices

- A Biodynamic Farm Is a Living Organism
- Biodynamics Cultivates Biodiversity
- Biodynamics Brings Plants and Animals Together
- Biodynamics Generates On-Farm Fertility
- Compost Is Enlivened with Biodynamic Preparations
- Biodynamic Farmers Cultivate Awareness
- Biodynamics Supports Integrity and Diversity in Seeds and Breeds
- Biodynamic Sprays Enhance Soil and Plant Health
- Biodynamics Treats Animals with Respect
- Biodynamics Works in Rhythm with Earth and Biodynamic Certification (Demeter) Upholds Agricultural Integrity
- Biodynamics Approaches Pests and Diseases Holistically
- Biodynamics Offers Regenerative Solutions for the Future
- Biodynamics Contributes to Social and Economic Health

Biodynamics in the World

- Germany is the leading country in Biodynamic Agriculture in terms of certified land and India in number of farmers
- 161,074 certified biodynamic hectares across 60 countries, according to Demeter-International
- More than twice as many small and medium uncertified biodynamic farms.
- Germany accounts for 45.1% of the total global certified hectares, followed by Italy and France respectively.
- A total of 24 countries are members of International Biodynamic Association (IBDA), an international union for all BD member organizations and another 23 countries are members and guest members of Demeter International. Both organizations are set to merge in February 2020 and will have a combined membership of around 40 countries



Austria	Norway
Denmark	Serbia
Finland	Slovenia
Greece	Spain
Luxembourg	Switzerland
Netherlands	Sweden

Biodynamic Association of India (BDAI)

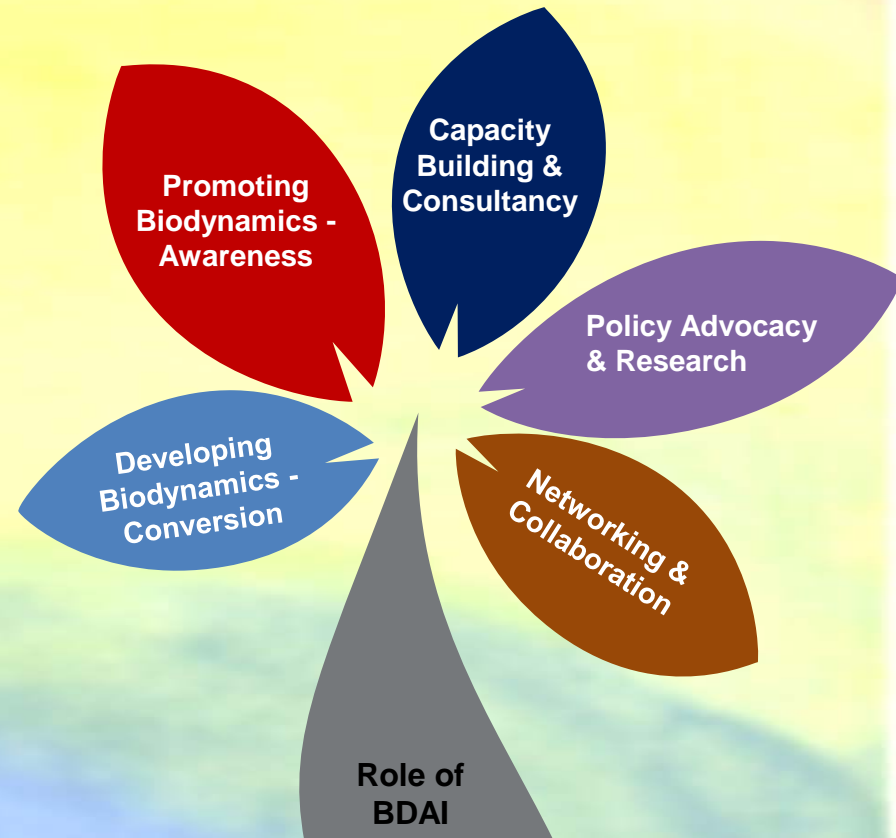
Vision

Our World, evolved by energized Agriculture, in ecological harmony.

Mission

To promote the practices and philosophy of the Biodynamic Method of Agriculture that foster initiatives and mutual interactions among Farmers, Consumers and Service Providers.

- Biodynamic Association of India, a not for profit society, was established in 1999 in Bangalore, and is one of the oldest associations for organic farming in India.
- BDAI has over 150 members, which include export firms, farmers with land holdings from 1 ha to 100 ha and a few Non-Governmental Organizations involved in rural development through sustainable agriculture
- The Association has a number of BD outreach and farmer extension programs, carried out in partnership with its institutional members.
- The first Demeter certified farms in India are Makaibari Tea Estate in Darjeeling and Kurinji Organic farms near Kodaikanal in the mid and late 1980s.



BDAI's Advocacy and Lobbying

Biodynamic farming practices included as a method in the National Horticulture Mission.

The report "Organic Farming System - An Integrated Approach for Adoption under National Horticulture Mission" details the use of Biodynamic and its preparations.

BD – 500 to BD – 508.

Sept. 2001



Biodynamic farming was then recognized as a farming practice for sustainable agriculture in India.

The Planning Commission, Government of India constituted a Working Group to assess the feasibility organic and bio-dynamic farming practices and to suggest measures/programmes for encouraging these farming practices. This report was co-authored by the pioneers of the movement in India, M/S T.G.Kutty Menon, W.R.Deshpande, and V.N.Shroff, who had invited Peter Proctor for the first Biodynamic training in Indore in 1993

2009



Through effective lobbying with the Ministry of Agriculture & Farmers Welfare, our founder member, Ms. Binita Shah has got a recommendation for use of biodynamic farming practices in India, under the Paramparagon Krishi Vikas Yojana (PKVY) translated to Traditional Agriculture Development program The following biodynamic practices have been included:

- Cow Pat Pit Based Composting (CPP)
- Biodynamic Composting
- BD – 500
- BD – 501

May 2017



Biodynamic Agriculture included as one of the strategies for sustainability in Agriculture in the Report of the Committee on Doubling Farmers' Income by the Ministry of Agriculture & Farmers Welfare (page 47 of Volume VI (of XIII) titled "Strategies for Sustainability in Agriculture").

Nov. 2019



Tami Nadu Agricultural University

Biodynamic Farming has been specified as a special organic agricultural method by Tamil Nadu Agricultural University
http://agritech.tnau.ac.in/ta/org_farm/orgfarm_biodynamic.html


Combating Climate Change

Soil & More **LOUIS BOLK**
INTERNATIONAL INSTITUTE

HELIOPOLIS
UNIVERSITY

2009

Carbon sequestration potential of reclaimed desert soils in Egypt



Boki Luske & Joris van der Kamp
Louis Bolk Instituut & Soil and More International
11/16/2009

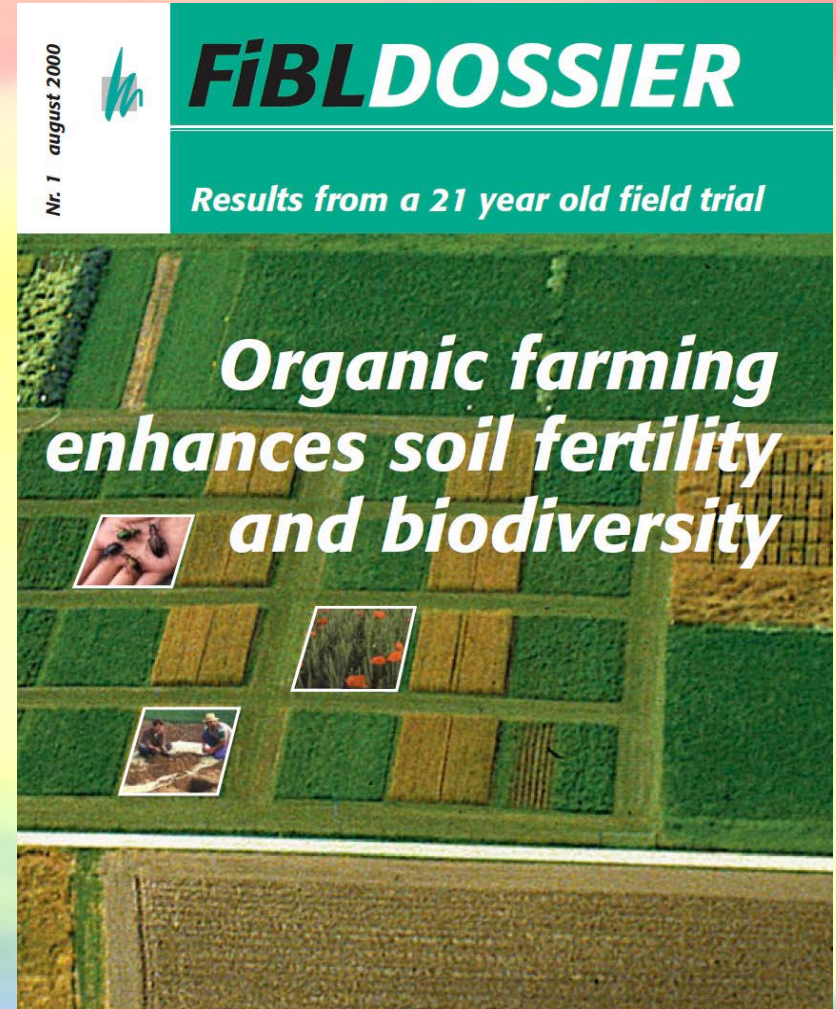
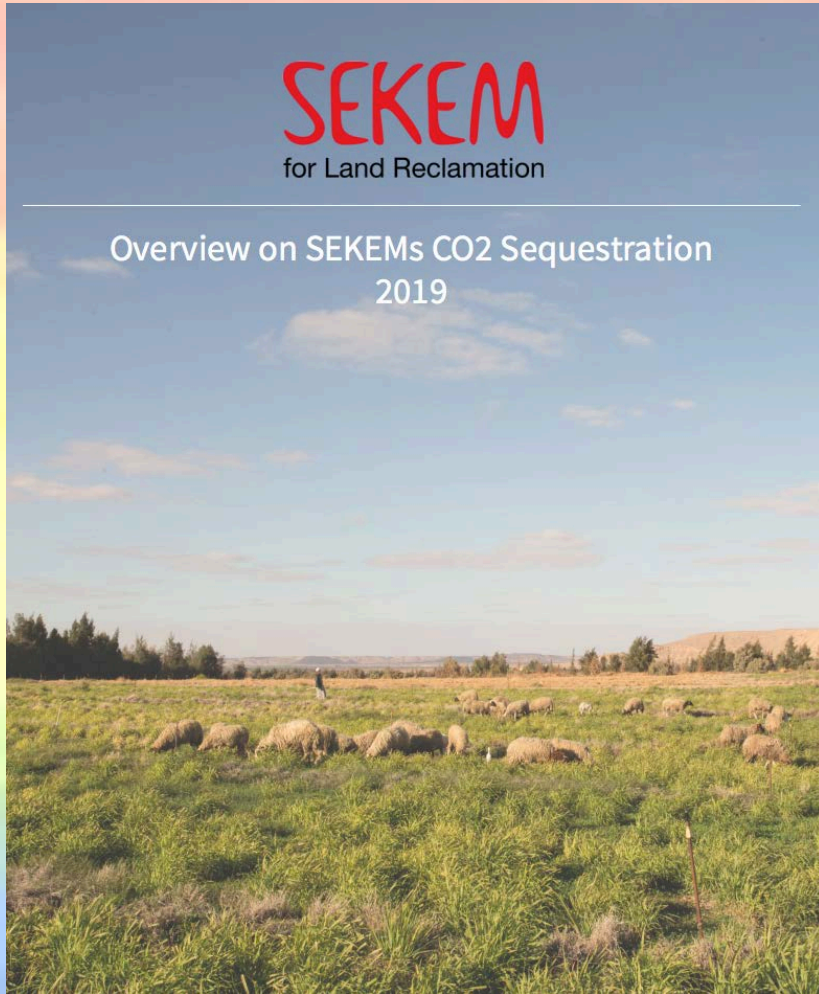
UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT
UNCTAD

TRADE AND ENVIRONMENT REVIEW 2013
WAKE UP BEFORE IT IS TOO LATE
MAKE AGRICULTURE TRULY SUSTAINABLE NOW FOR FOOD SECURITY IN A CHANGING CLIMATE

EMBARGO
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Combating Climate Change (contd)





SUSTAINABLE DEVELOPMENT GOALS

17 GOALS TO TRANSFORM OUR WORLD

<p>1 NO POVERTY</p>	<p>2 ZERO HUNGER</p>	<p>3 GOOD HEALTH AND WELL-BEING</p>	<p>4 QUALITY EDUCATION</p>	<p>5 GENDER EQUALITY</p>	<p>6 CLEAN WATER AND SANITATION</p>
<p>7 AFFORDABLE AND CLEAN ENERGY</p>	<p>8 DECENT WORK AND ECONOMIC GROWTH</p>	<p>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</p>	<p>10 REDUCED INEQUALITIES</p>	<p>11 SUSTAINABLE CITIES AND COMMUNITIES</p>	<p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>
<p>13 CLIMATE ACTION</p>	<p>14 LIFE BELOW WATER</p>	<p>15 LIFE ON LAND</p>	<p>16 PEACE, JUSTICE AND STRONG INSTITUTIONS</p>	<p>17 PARTNERSHIPS FOR THE GOALS</p>	<p>SUSTAINABLE DEVELOPMENT GOALS</p>