

GOOD EARTH GLOBAL

ANNUAL REPORT 2017





Message From Our Board of Directors

This is our second Annual Report, and covers the time period January 1, 2017 through December 31, 2017.

2017 was a landmark year for Good Earth Global. We changed our name from Good Earth Nepal to Good Earth Global, reflecting our determination to bring Earthbag technology to those in need anywhere in the world, and to reap the environmental benefits of sustainable building on a widespread scale.

Our most significant achievement, after a year and a half of lobbying and advocacy, was persuading the Nepali government to officially approve Earthbag technology as a recommended building method. See Section 11.1 for details.

We also continued established teaching and training programs, completed existing building projects and began new ones.

The Report below gives a detailed summary of our accomplishments in 2017, and includes our 2017 fiscal year budget and financial statement.

Kateryna Zemskova

Nathan Belofsky

Baris Tuncer

1.0 About Us

We are a New York-based 501(c)(3) not-for-profit organization, incorporated in June of 2015. Our main headquarters are in Kathmandu, and we maintain paid staff in Nepal and India.

2.0 Mission

To employ Earthbag technology and other eco-friendly construction methods to build safe and ecologically sustainable structures for those most in need; to teach these methods to others; to advance the everyday use and acceptance of Earthbag technology and other sustainable building techniques worldwide.

3.0 Vision

To strengthen communities in need; to make sustainable building an everyday option for ordinary families; to create a cleaner, more livable planet through the widespread adoption of sustainable building practices.

4.0 Values

- Professionalism
- Ethics, Integrity and Accountability
- Encouraging Self-Reliance and Self-Help
- Teaching What We Know To Others
- Respecting Local Cultures and Traditions

5.0 Governance

Co-Founders Kateryna Zemskova, Nathan Belofsky and Baris Tuncer constitute the Board of Directors and are President/CEO, Secretary/Treasurer and Vice-President respectively.



K. Zemskova



N. Belofsky



B. Tuncer

Kateryna Zemskova - CEO and Co-Founder: Kateryna is a New York City resident with a background in software development, business and real estate. She has a degree in Computer Science from the University of Santa Cruz (California), worked as a software engineer/application developer at several startups and has been a member of leading New York City real estate firms.

Nathan Belofsky - Treasurer, Secretary and Co-Founder: Nathan is a practicing attorney and author living in New York City. In addition to maintaining an active legal practice Nathan is the author of a non-fiction book now published in five languages.

Baris Tuncer - Vice-President and Co-Founder: Formerly a program manager/systems engineer at Texas Instruments, Baris now works in real estate in New York City, where he also resides. Baris has a Masters in Electrical Engineering from Southern Methodist University and an MBA from the University of Texas at Dallas.

6.0 Key Management and Staff

Kateryna Zemskova - CEO

See biography above.

Roshan K. Jha - Managing Director

Roshan has extensive non-profit experience, having worked to maximize employment opportunities for young adults, as a Research Consultant for the United Nations International Labor Organization and as a Program and Project Coordinator for the Forum of Economic Studies in Kathmandu. Roshan has also consulted with the Nepal Technical Office of Registered Engineers For Disaster Relief India (RedR India), and lectured to various universities, international relief organizations, governments and technical societies.

Dr. Owen Geiger - Technical Consultant and Method Ambassador

Widely considered the world's leading Earthbag builder, Dr. Geiger is Director of the Geiger Institute of Sustainable Building, a former Director of Builders Without Borders and has consulted for, among others, Habitat for Humanity, the United Nations Institution of Training and Research and the U.S. Military Academy at West Point.



Bandana Hamal - Systems Coordinator

Bandana has a background in civil engineering, finance, banking, management, accounting and computer technology. She previously served as a Construction Finance Manager for ADRA, an INGO providing development assistance to over 130 countries, and has worked for GTFCU, a large Texas bank. Bandana has a diploma in Civil Engineering from Pulchowk Institute of Engineering (Tribhuvan University), a Bachelor's and Masters Degree in Accounting from Texas Lutheran University and University of Phoenix respectively, and an Associate's Degree in Computer Information Systems from El Centro College (Dallas, Texas).

Dn Dhital - Construction Supervisor

Dn has past experience as a program coordinator, manager and marketing executive. He earned his Bachelor's degree in Business Studies from Tribhuvan University, has volunteered for various earthquake relief programs and is fluent in Nepali, English and Hindi.

Pratiksha Kharel - Civil Engineer/Training Coordinator

Pratiksha worked as a Civil Engineer for Kankai International Builders Pvt. Ltd., a Consulting Engineer for Pace Consultant Pvt. Ltd., and a Survey Engineer for the Central Bureau of Statistics. She also has extensive training in hydro-electric power plant design, bridge hydrology and geology surveying and disaster management/damage assessment. Pratiksha has a Bachelor's Degree in Civil Engineering, with distinction, from Kathmandu University.

Ram Chandra Bharati - Civil Engineer

Ram has a Bachelor's Degree in Civil Engineering from Tribhuvan University and previously worked as an engineer for the Nepal Reconstruction Authority. At the NRA he specialized in rebuilding earthquake-resistant rural houses, and was team leader of the Khijikati Rural Housing reconstruction program. Ram also worked for the Himalaya Hydro Construction Pvt. Ltd., where he was a site engineer at the Upper Hugdi Khola Hydroelectric Project.

Colin Hill- Program Director, India

Colin, from Canada, has an extensive background in business management and project organization. He's held lead management roles, been the owner/operator of several successful businesses and contracted his services to numerous start-ups. Colin's crossed the globe several times, and spent extensive time in Nepal and India.

7.0 Volunteers

In 2017 we again attracted dozens of hard-working volunteers, from around the world. All were critical to our success, and we are profoundly grateful for their efforts and generosity.



8.0 Financial Status

Below is a summary of our estimated Income and Expenses for fiscal year 2017, running from July 1, 2016 to June 30, 2017.

INCOME

Project Contributions- \$79,020

Grants and Donations- \$48,952

Training- \$5,052

TOTAL: 133,024 USD

EXPENSES

Project Expenses- \$78,248

Salaries- \$32,040

Office Expenses- \$6,180

Training- \$6,707

Accounting-\$119.40

Website Hosting and Email-\$1,092

Social Media Marketing- \$139.93

Project Mangment Software- \$348.00

Travel- \$5,160

Repair and Maintenance- \$1,407.04

Equipment & Misc.-\$170.09

TOTAL: 131,611.46 USD



9.0 Grants

In 2017 Good Earth Global received a grant from the New Earth Foundation (USA). We thank this extraordinary organization for its confidence and support.

10.0 Partners and Collaborations

In 2017 we partnered with numerous non-profit organizations, including:

- Carisimo (Germany)
- Kaule Environmental Nepal (Nepal)
- Anna University (India)
- Expansion Nepal (Nepal)
- Nimbin Health and Welfare Association (Australia)
- Hands of Compassion Home/ Emmanuel Charitable Trust

We also collaborated with the following organizations and individuals:

- United Nations Development Programme
- Nepal Reconstruction Authority
- Nepal Department of Urban Development and Building Construction (DUDBC)
- School of Architecture (SAL), Ahmedabad, India.
- Earth Institute of Columbia University
- Hiroshima University (Japan)
- University of Texas (USA)
- Tribhuvan University (Nepal)
- Seoul Foreign School (Korea)
- Sri KDU International School (Malaysia)
- The British School (Kathmandu)
- Earth Institute of Columbia University
- Engineering for Change

11. Significant Accomplishments

We achieved a great deal in 2017, highlighted by the Nepal Federal government’s decision to adopt Earthbag technology as an officially recommended, earthquake-resistant building technique.

Details concerning this and other significant 2017 accomplishments are set forth below:

11.1 Lobbying and Advocacy

Until recently Earthbag technology remained on the fringes, shunned by governments and barely known to everyday building professionals and the public at large.

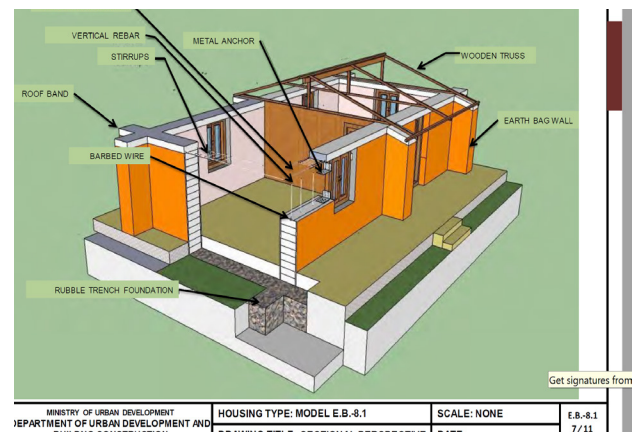
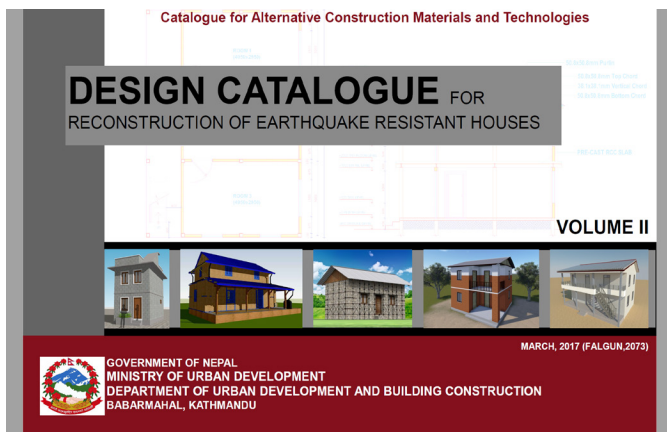
This paradigm changed in 2017, when after a year and a half of our government lobbying and technical consulting Nepal, population 30,000,000, became the first country on Earth to officially adopt Earthbag technology, and to promote it’s use as a standard, everyday building technique.

Nepal now emerges as a worldwide leader in sustainable development, and Earthbag building is now an official option for rural villagers receiving government aid for reconstruction.

We’re immensely proud of our management and technical staff, which made dozens of presentations to Nepali engineers, architects, planners, politicians and reconstruction officials. We also thank an enlightened Nepali government for the opportunity to lead the world in bringing sustainable building to ordinary, everyday people in need of safe, affordable structures.

11.2 Design

Years of effort by our technical staff were rewarded with the publication of our design for a typical one-story Earthbag house in Nepal’s Design Catalogue for Reconstruction of Earthquake Resistant Houses, Vol 2, printed by Nepal’s Ministry of Urban Development.



11.3 Building-Educational Structures

In 2017 we built two educational structures in Nepal, one a primary school and one a Learning Center.

In Dhading, Nepal, we rebuilt the Belingtar Primary School, previously destroyed by the earthquake.



Belingtar Earthbag Primary School, Dhading



Belingtar School Opening Ceremony

In Nuwakot, Nepal we opened the Butterfly Learning Center, conceived by Nepali artist Sushil Babu Chhetri and sponsored by Jennifer Dahlem and Kevin L.H. The Butterfly will serve as a safe and appealing space for kids to read, do homework and be introduced to drawing, photography, film and other forms of artistic self-expression. Other NGOs plan to use the Butterfly to host Adult Literacy Classes, Women’s Empowerment workshops and classes teaching health and hygiene.



Children at the Butterfly Learning Center opening ceremony, Nuwakot
Belingtar Earthbag Primary School, Dhading



Butterfly Learning Center, Nuwakot

11.4 Building-Homes

We completed our 6 Homes Project in Kaule, Nepal, where owners built their own homes with the help of neighbors and local villagers. We thank Carisimo, a German-based non-profit, for sponsoring the project, and Kaule Environmental Nepal for providing community coordination and support.



Kaule Earthbag Houses

Similar community-based work is ongoing in Bolgaun, Sindupalchok, Nepal, in collaboration with non-profit Nimbin Health and Welfare Association, out of Australia. In Bolgaun we supervised the completion of eight homes; due to the success of the project we're now overseeing the construction of several more.



Boulgan Earthbag Houses

11.5 Building-Campus Meeting Center

On the flagship campus of Anna University in Southern India, we designed and erected a heart-shaped Meeting Center, in conjunction with university faculty and administration. Anna engineering students built the structure, instructed and supervised by our building managers.

We hope this model Earthbag structure is the first of many built on college campuses in India and Nepal.



11.6 Building-Public Toilets

In India we built two prototype Earthbag public toilets, designed to address deadly waste and water-borne disease in conjunction with Prime Minister Modi's Swachh Bharat (Clean India) health and sanitation campaign.

The first public toilet was built in the city of Madurai, the second for the Hands of Compassion Home, serving 50 elderly and mentally disabled residents and run by the Emmanuvel Charitable Trust.



11.7 Teaching and Training

From Good Earth Global headquarters in Kathmandu (classroom training) and at various active worksites (hands-on instruction) we continued teaching our Earthbag Workshops, designed to train engineers, architects, NGOs and village builders.

In Nuwakot, Nepal, we conducted a Workshop for architecture students from the School of Architecture (SAL) in Ahmedabad, India. By training's end the students constructed a working public toilet for use by villagers.



11.8 Teaching and Training-Youth

We taught junior and senior high school students from around the world about Earthbags and the need for sustainable development, in the classroom and out in the field.

Highlights included speaking and teaching at the Fobisia Environmental Conference 2017, where we provided classroom and practical training to students from the Seoul Foreign School, Regents International School (Thailand), Sri KDU International School (Malaysia) and the British School (Kathmandu).



11.9 Lectures, Demonstrations and Conferences

Throughout Nepal and India management and technical staff gave numerous lectures and presentations to technical and engineering colleges and universities, NGOs, community leaders and professional groups.

We were featured speakers at the International Conference on Sustainable Development, sponsored by the Earth Institute of Columbia University in New York City.

We were also selected to represent Earthbag technology for “Post-Earthquake 2015 Housing Reconstruction In Rural Nepal Through Alternative Building Technology”, organized by Hiroshima University (Japan) in collaboration with the University of Texas (USA) and Tribhuvan University (Nepal). Managing Director Roshan K. Jha lectured to students and faculty, then escorted the group to an actual Earthbag site.





11.10 Publications and Articles

Columbia University published our journal article, “Bringing Earthbags to the People: a New Democratic Approach to Sustainable Building” in Consilience, a Columbia University (New York City) academic journal.

12.0 Next Steps

Our aim is to bring Earthbags to those who need them most around the globe, knowing that the benefits of Earthbag technology will only be fully realized with widespread adoption on a mass scale.

Towards this end we’re continuing the programs described above and initiating some new ones:

- Collaborating with faculty at leading technical colleges in Nepal and India to make Earthbag technology a formal part of the engineering curriculum
- Seeking institutional support for an array of much-needed Earthbag engineering tests
- Exporting our training and building programs to developing regions worldwide
- Expanding our on-site volunteer programs, designed to accommodate students, building professionals and interested individuals and families