This is what empowerment looks like

Annual Report Fiscal Year 2017
Clean solar cooking propels our future

Thanks to you, Solar Cookers International is creating a future where people have meals cooked with free power, no smoke, more trees, and cleaner air. This is possible with your help.

You were constantly in our minds and hearts as we connected partners from more than 30 countries at the 6th SCI World Conference in Gujarat, India. This exceptional conference produced immediate, successful results. And with the added training to create solar cooking businesses, you helped advance solar cooking to a scale we could only dream of at SCI’s last world conference, in 2014.

And you helped elevate the quality of solar cookers. People in the world’s poorest regions, and their governments, can adopt solar cooking with confidence as a result of SCI’s new Performance Evaluation Process (PEP) for solar cooking devices.

We believe in the power of people and the sun to propel change. You are helping to create our better future today with your support for solar cooking.

Julie Greene
Executive Director

In this highly-connected world, human connection matters. Julie Greene, left, appreciates a green gift from faculty and students at a college in India.

People often address hunger. Yet food must be cooked. SCI’s vision is to offer the solar clean-cooking solution so that everyone understands and experiences its impact on their family – and on our globe.

US tax ID 68-0153141

http://www.solarcookers.org
This is what empowerment looks like. Stakeholders from 30 countries were drawn to the 6th SCI World Conference at Muni Seva Ashram in Gujarat, India. You made person-to-person solar cooking connections possible. See videos of the conference at http://solarcooking.org/6th

250 hours of knowledge and training

SCI provided training at the 6th SCI World Conference to scale up solar cooking businesses.

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www.solarcookers.org
SCI Global Advisor → Deepak Gadhiya explains large solar concentrators to SCI partners from many countries. Solar concentrators like these cook for tens of thousands of people in India daily.

“I recently met with Julie Greene who heads SCI. They are doing excellent work - being decades ahead of us (Bioenergylist.org - Stoves listserv).... We have a lot to learn from this important group.”

Dr. Ronal W. Larson

Indian solar box cooker manufacturer, Mahendra Rawat, explains his design to Julie Greene, SCI’s executive director, in India for the 6th SCI World Conference. Solar cooks today can choose from thousands of designs. See some of your choices at http://solarcooking.org/des
Edward Sembajjwe [inset] is an SCI travel fund awardee and a solar cooking pioneer. He works with Disabled Technicians Ltd. Uganda. Thanks to you and SCI, he and his workers who are disabled now make and demonstrate high-quality solar cookers—using a design that Edward encountered at the 6th SCI World Conference 2017. Edward conducted training where Uganda’s president was the chief guest. You helped weave this network of ability that spans the globe. Read more at http://solarcooking.org/dtul

“This is such an easy and ingenious replacement for other more polluting and unhealthy cooking options.” Janet Kolodner, SCI donor

SCI partners encountered a powerful Danish solar cooker design at the conference. The result: Ugandans now build and introduce this design.
Connections. At the 6th SCI World Conference, Kenyan, American, and Indian partners dreamed of a Solar Cooking Festival for refugees. They shared their knowledge, made a plan, and committed to action. Only months later, 1,000 young people in Kakuma Refugee Camp, Kenya, learned how to make and cook with reflective panel cookers, with significant support from Haines Solar Cookers. You helped make their future more secure.

“None of this would have happened without the wonderful SCI Conference!” Roger Haines, solar cooker manufacturer

“We believe every child deserves a better future. A future that includes hot meals, clean air, trees…and hope.” Julie Greene

www.solarcookers.org
Solar Cookers International is independently audited annually in accordance with standards generally accepted in the United States of America. SCI’s fiscal year July 1 – June 30, 2017 was another successful year. With the help of SCI donors and funders, SCI accomplished a broad scope of work with global impact, balanced its budget, and maintained a reserve consistent with SCI bylaws and best business practices.

Please visit http://www.solarcookers.org/report/ in September to review SCI’s 2017 annual audit.

Solar cooks reported their smoke-related health problems fell from 77% to 33% in their first 10 months of solar cooking. Tanzanian solar cooks used the SCI Adoption and Impact Survey. To learn more go to: http://www.solarcookers.org/Tanzania You can participate.

Imagine a mature forest as big as South Carolina, US, preserved. That’s one way of thinking about the number of trees conserved by 3.1 million solar cookers over their lifespans. SCI and its partners have distributed that many solar cookers already. Our GOAL: to triple that.

3.1 million known solar cookers will reduce carbon dioxide emissions by an estimated 25.7 million tons over their lifespan. That’s like taking 5 million cars off the road for a year. See a map online at: http://www.solarcookers.org/map.

A woman who solar cooks in the world’s poorest regions saves a large portion of her household budget. This is life-changing when you live on less than US$1.90 per day.

“The woman is the first to farm, to harvest, to preserve, to cook. Yet she eats last and eats least.” Mary Robinson (First female President of Ireland 1990–1997; UN High Commissioner for Human Rights 1997–2002; UN Special Envoy on El Niño and Climate)
The United Nations is where the world meets

SCI board member Michael Paparian networks with the clean cooking cohort at the annual climate change conference, COP22, in Morocco in November. By reducing CO₂ emissions, solar cooking helps achieve global climate goals that benefit us all.

SCI advises leaders in ways that change government policies. You helped advocate for clean, sustainable cooking in Haiti. You advised government leaders and provided concrete data on why solar cooking needs to be part of every fuel conversation. The follow-up report SCI provided has the potential to change the way Haitians cook.

See a video by going here: http://www.solarcookers.org/strongpartners
Thanks to SCI donors like you, Sperancea Kakuba Gabone left her native Tanzania for the first time to attend the 6th SCI World Conference. She shared her solar cooking leadership knowledge with a world audience of peers. Sperancea is now on her way to learn from SCI partners in Uganda who run successful solar cooking sales teams. With plans and commitments from SCI’s global community, SCI donors create a new vision for women in Sperancea’s community.

This is what empowerment looks like
SCI propels global change through solar cooking

Latin American solar cooking women and SCI connected and collaborated at the 6th SCI World Conference. With the power of the SCI Association and the world’s largest online SCI database of solar cooking information (www.solarcooking.org), solar cooking magic happened. A new solar cooking webinar series in Spanish will empower hundreds, if not thousands, more Latin American women with solar cooking knowledge to improve their lives with new cooking practices and ideas for new businesses.

Victoria Aguilera Velazco develops entrepreneurial skills in her native Mexico. She teaches world partners to use their solar cookers to preserve foods and create strong businesses (pictured at the conference in India). SCI donors create new horizons.
SCI demonstrates its newly-developed, low-cost, robotic device and the Performance Evaluation Process (PEP) that measures the power of a solar cooker— one key indicator of quality assurance. Read more about the open-source PEP at: [http://www.solarcookers.org/PEP](http://www.solarcookers.org/PEP)

This graph shows Performance Evaluation Process (PEP) data from a CooKit reflective-panel solar cooker with two Pyrex bowls as a greenhouse to trap heat. Water temperature, shown in red, remains hot, even when passing clouds reduce solar irradiance (shown in green). The PEP demonstrates that the power of a CooKit with a Pyrex greenhouse exceeds 50 Watts, which is significantly more power than when a plastic-bag greenhouse is used.

Graph: A. Bigelow, PhD, SCI science director, 2017
Solar cooking empowers grandparents

As part of the SCI community, you cared for grandparents and orphaned grandchildren in Western Kenya. 1,000 more elderly people and their families now have solar cookers. This means:

 dinheiro
1,076 tons of firewood saved 1,937 tons of CO² saved 6,000 changed lives

Read more at http://www.solarcookers.org/Kenya

Photo: D. Chienjo, 2017
Solar cooking is now included in the:

- California Science Framework, educating 6.3 million students in 10,000 schools
- World Health Organization’s *Household Energy Use Survey* in all countries. It tracks achievement of the United Nations Sustainable Development Goals

Read more about how solar cooking meets all 17 SDGs at [http://www.solarcookers.org/SDGs](http://www.solarcookers.org/SDGs)

**Empowerment in education**

Leaders making leaders. SCI partners teach others to ensure a strong, resilient future for Nepal. Solar cooking caught on rapidly at Tek Chok Ling Nunnery School, Nepal.

Read more at: [http://solarcooking.org/fost](http://solarcooking.org/fost)

*Photos courtesy of Sanu Jaji, 2017*
This is what empowerment looks like: a proud solar cook with fewer energy costs

Pictured: Madhya Pradesh of India in 2017, with a parabolic solar cooker.

THANK YOU global partners

SCI’s partner network expanded significantly this year, including noteworthy additions to the SCI Association (organization level):

- Heliac (Denmark)
- ISES (International Solar Energy Society)
- ASES (American Solar Energy Society)

For a full list, visit http://www.solarcookers.org/SCIA
SCI is proud to engage with a wide range of organizations

Here is a sampling:

- Combined Federal Campaign
- Dept of Public Information (DPI/NGO)
- EnergyTeachers.org
- Friends of the Old, Kenya
- Foundation for Sustainable Technologies, Nepal
- Global Alliance for Health Promotion
- InterAction
- Macedonia Ministries, Tanzania
- Muni Seva Ashram, India
- Network on Humanitarian Action
- Organizing Committee of the 6th SCI World Conference 2017 (Order of Excellence recipients)
- Renewable Energy Policy Network
- Solar Food Processing Network
- Sustainable Development for All
- United Nations Alliance4Health
- United Nations CoNGO
- (The Conference of NGOs)
- United Nations Economic and Social Council
- Uptown Studios
- World Health Organization
- World Renewable Energy Network

To read more, visit http://www.solarcookers.org/SCIA

SCI thanks this year’s very generous anonymous donors.
Thanks, too, to our many supporters, including:

Aid for Africa ● The Agua Fund, Inc. ● Global Alliance for Clean Cookstoves
The Morris and Alma Schapiro Fund ● American Leadership Foundation

AND

More than 35 active volunteers who work with extraordinary commitment to strengthen the solar cooking movement. Read more about the mission they support at http://www.solarcookers.org/mission

Make a donation today at http://www.solarcookers.org

YOU empower global change.
YOU empower their future

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