



SOLAR COOKERS  
INTERNATIONAL

---

# Your Impact With SCI

---

Annual Report  
2021

# Letter From the Board President and Executive Director

For over 30 years, solar cookers have been a beacon of hope and resilience for millions of people around the world. Your past, present, and future support has helped SCI be nimble and adaptive through the world's toughest times. Because of you, SCI continues to provide a solution to the energy and climate crisis during the height and the current state of the pandemic.

We have adapted to bring voice to those in greatest need - through virtual events, online resources, and our network of collaborators, and Global Advisors working together to ensure the health of communities. Tough times continue to prove why solar cooking, you, and SCI are here to stay. Thank you.

Best,



Dr. Shishpal Rawat



Caitlyn Hughes



**Dr. Shishpal Rawat**  
SCI Board President



**Caitlyn Hughes**  
Executive Director

Photo credits: Shannon Steffy

# Keeling Curve Prize

Solar Cookers International won the Keeling Curve Prize! The Keeling Curve Prize recognizes “the most impactful climate projects around the world.” SCI is one of ten winners selected from approximately 400 applicants from around the world after a rigorous evaluation. The award was presented by United Nations (UN) Goodwill Ambassador and Ghanaian Grammy-nominee Rocky Dawuni. Thank you to the Global Warming Mitigation Project for selecting SCI as a Keeling Curve Prize laureate and for spotlighting solar cooking as an urgently needed climate solution.



UN Goodwill Ambassador and Grammy-nominee Rocky Dawuni and SCI Science Director Alan Bigelow, Ph.D.

## SCI takes your voice to the global stage

You made sure SCI utilized its strong advocacy connections and consultative status with the United Nations to build upon its existing relationships and new opportunities (especially virtual ones), to bring together voices from all around the world. You brought successful examples of solar cooking and Global Advisor voices to the United Nations: High-Level Political Forum, Commission on the Status of Women, and Climate Dialogues. You strategically engaged speakers from influential organizations such as the World Health Organization, World Bank, International Solar Alliance, and Clean Cooking Alliance through these opportunities to leverage solar cooking.



*“There are unfortunately still 2.8 billion people who lack access to clean fuels and technologies around the world.” Ms. Lewis went on to cite that in 2018 in Sub-Saharan Africa, only 15% of the population had access to clean fuels and technologies for cooking.*

-Jessica Lewis of the World Health Organization (WHO) speaking with SCI at the UN Commission on the Status of Women

You strengthened the capacity of the solar cooking sector by creating and sharing events and knowledge including carbon credits for solar cooking, autoclaving with solar cookers, and institutional solar cooking.

And you shared solar cooking knowledge and inspiration with new audiences and the next generation, including through the Carnegie Science Center, Adelphi University, the Young Professionals of Energy, and the US Department of Energy.

## Highlights



*“Solar cooking is a renewable solution with no emissions. Once you have a solar cooker there’s no need to use fuels. There’s no need for operation costs.”*

-The World Bank’s Yabei Zhang speaking with SCI at the UN High-Level Political Forum

*“Sustainable Development Goal 5 demands women to be empowered. They should enjoy good health and not be discriminated against. Solar cooking brings gender equality. It brings more respect to women, and it saves the environment.”*



-SCI Global Advisor Dr. Mrs. Janak Palta McGilligan speaking at the UN Climate Dialogues

To watch recordings of SCI’s events and to hear from more of our speakers, please visit [www.solarcookers.org/about/blog](http://www.solarcookers.org/about/blog)

**4+  
million  
solar  
cookers  
around  
the world**

In a year of resilience, the number of solar cookers identified around the globe passed the 4 million threshold. The 4+ million solar cookers are estimated to directly impact more than 14.3 million people. While emissions-free and sustainable solar cooking is empowering families, countries are saving tremendous amounts of money through avoided health and environmental costs by integrating solar cooking into cooking practices. If everyone currently cooking with polluting fuels used solar cookers  $\frac{1}{4}$  of the time, it is estimated over 1 trillion dollars could be saved annually around the world.



# SCI is the top resource for all of your solar cooking needs

SCI's online resources, including the Solar Cooking Wiki, the John Collentine Solar Cooking Toolkit, the Global Map of Solar Cookers, and more, have become the go-to information sources for clean solar cooking. Through advocacy, research, and capacity building, SCI is the top resource for all your solar cooking needs.

*This year:*

**500,000+**

pageviews of SCI's online resources

**1,300+**

average pageviews a day

**27**

publications

**190**

countries around the world

**Training,  
education,  
and work  
continue in  
Kakuma  
Refugee  
Camp,  
Kenya**





You have empowered 460 more refugees with 46 locally constructed, large-volume solar cookers bringing the total number of refugees empowered to over 1,260 and solar cookers to 126 since 2018 in Kakuma Refugee Camp.

These sturdy solar cookers are expected to last at least 15 years each and feed households of 10+ people, making an estimated 17,010,000 individual solar cooked meals possible, based on 300 sunny days/year.



*“Our students have seen the new technology and a majority of them are acknowledging that it is a solution to Kakuma’s operations. It will help us move away from fetching firewood and will reduce the risks that most females have when they go outside such as SGBV (sexual and gender-based violence). I think for me, this is the way to go for Kakuma as far as cooking energy is concerned.”*

-Judith Wamalwa at the Don Bosco Technical Institute, Kakuma Refugee Camp

**You  
continue to  
be a vital  
resource in  
Nepal with  
SCI**



Thanks to you, Solar Cookers International continues to be a vital resource in Nepal. Through education, training, and direct access to solar cookers, approximately 300 people in especially vulnerable groups can now cook food and pasteurize water in a safe and cost-effective way. With certain regions in Nepal experiencing a short supply of consumer goods, lack of transportation, and challenges accessing clean drinking water due to COVID-19, solar cooking has become a cross-cutting solution to those most at risk.

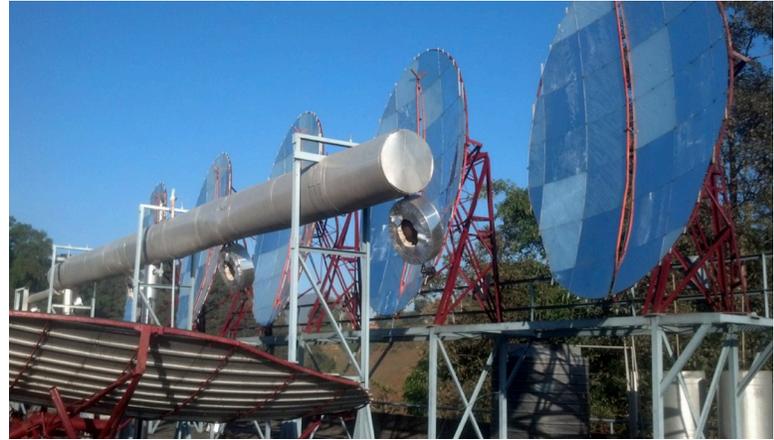
# Institutional solar cookers and ISO standards

---

SCI is part of the US delegation to Technical Committee 285 developing standards for clean cookstoves and clean cooking solutions at the International Organization for Standardization (ISO).

In that role, SCI has led the solar cooking sector in developing standards for household level systems, applied in SCI's Performance Evaluation Process (PEP), and is now contributing to the development of testing methods for institutional cookstoves, including institutional solar-steam cooking systems.

These testing methods will add awareness, credibility, and the potential for scalability to institutional solar cookers, such as those with proven success at schools, food processing facilities, and faith centers in regions of greatest need and suitability.



# Solar cookers tested by SCI's

This year, SCI doubled the number of its publicly available Performance Evaluation Process (PEP) test reports since the end of the last fiscal year, including testing four new models which include evacuated-tube solar cookers. Visit [www.solarcookers.org/work/research](http://www.solarcookers.org/work/research).

## Reflective Panels





**SCI**  
SOLAR COOKERS  
INTERNATIONAL

Performance  
Evaluation  
Process

View PEP test results:  
[www.solarcookers.org](http://www.solarcookers.org)

**TESTED FOR  
COOKING POWER**

A representative model of this solar cooker was tested for standardized cooking power (watts) in accordance with ISO 19867-1:2018. Results →

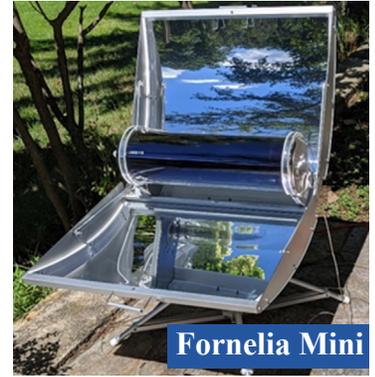
Look for this PEP Tested label!

# Performance Evaluation Process (PEP)

## Box Ovens



## Evacuated Tubes



\*Testing in progress

*Thank you!*

The work at  
SCI is only  
made possible  
by supporters  
like **YOU**.

Together, we  
are making a  
difference in  
the lives of  
millions of  
people around  
the world.

**A special thanks to our generous funders\*:**

AG Foundation

Agua Fund, Inc.

Anonymous

A Better World Fund

Distracted Globe Foundation

Greater Kansas City Community Foundation

Marin Community Foundation

The Morris and Alma Schapiro Fund

Paul Bechtner Foundation

Sacramento Regional Community Foundation

Unitarian Universalist Church of Vancouver

**And**

SCI Associates

SCI Collaborators

SCI Global Advisors

SCI Legacy Circle Members

SCI President's Circle Members

SCI Volunteers

All of SCI's supporters including **YOU!**



*“Kudos, SCI, on managing the resources, and thank you for providing equal access to our diverse group and for providing a platform where a variety of voices can be heard. No program stands alone.”*

-Jennifer Gasser, SCI Associate

*“We are glad to help promote and support a technology that so well addresses climate, deforestation, and illness prevention all at the same time. Thank you”*

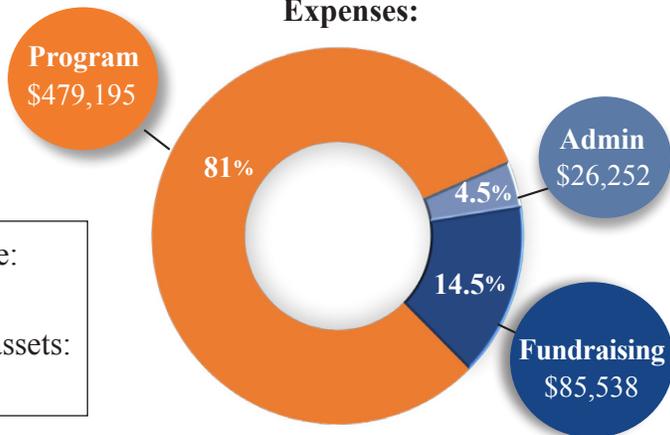
-SCI donors Scott and La Ronda

Photo credits: Michael Bonke, Nathan Fertig

# Your Impact with SCI

Fiscal Year (FY) = 7/1/2020 - 6/30/2021

## Expenses:



Total income:  
\$897,108

Ending net assets:  
\$1,539,800

## Board of Directors

Dr. Shishpal Rawat, President  
Ruth Holton-Hodson, Vice President  
Mike Papanian, Treasurer  
Wyldon Fishman, Secretary  
Dr. Peg Barratt  
Marty Greenia

Eric Hafter  
Jackelyn Lundy  
Chris Mundhenk  
Nathan Schumacher  
Peter W. Turnbull



*“It was a great achievement for us and our community that we spoke our concerns at the prestigious High Level Political Forum with SCI. Thank you for your efforts to take us to this Forum.”*

-Sanu Kaji Shrestha,  
SCI Global Advisor

*“I appreciate the wide range of solar cookers that you have highlighted over the years. I also appreciate that SCI is testing and reporting results on the cookers that the manufacturers want to have tested. The comparison is a good thing.”*

-Nick Eastmond from Ghana



**Highest Rating 5  
Years in a Row**

**Solar Cookers  
International** consistently  
receives the highest  
rating from charity rating  
organizations including  
Charity Navigator,  
GuideStar, and the Better  
Business Bureau.



**SCI**   
**SOLAR COOKERS  
INTERNATIONAL**

[www.solarcookers.org](http://www.solarcookers.org)

2400 22nd Street, Ste. 210  
Sacramento, CA 95818  
USA

+1 (916) 455.4499  
[info@solarcookers.org](mailto:info@solarcookers.org)

US tax ID 68-0153141