

Annual Report



SOLAR COOKERS  
INTERNATIONAL

# Your Impact with SCI

-Fiscal Year 2019-



# Letter from the Executive Director and Board President



*You. You are making the difference.* It's easy to feel overwhelmed in a world of crushing challenges. *Where do I start?* Women's rights? Children's health? The environment?

**You have chosen and strongly support a brilliant solution that addresses all of these things simultaneously: solar cooking.** Thank you.

With you, Solar Cookers International has taken huge strides in addressing challenges facing nearly half the world's population: cooking over open fires. SCI is implementing a three-part Strategic Plan to promote carbon-free solar cooking worldwide through **advocacy, research, and building capacity.**

Because of supporters like you, SCI has had great successes this past year, including providing hundreds of women and their families in Kakuma Refugee Camp access to locally produced solar cookers (**building capacity**), promoting solar cooking solutions on the world stage with fellow global leaders like the World Health Organization (**advocacy**), and establishing SCI's 4th global Performance Evaluation Process (PEP) test station in Kenya (**research**).

This global change is only possible with you. We look forward to continuing this vital journey with you. **Thank you.**

Sincerely,

Caitlyn Hughes, Executive Director

Jim Moose, Board President

*Mission: Solar Cookers International improves human and environmental health by supporting the expansion of effective carbon-free solar cooking in world regions of greatest need.*

# Your Impact with SCI: Capacity Building

**Solar Cookers International works to build local capacity and develop community resources, making solar cooking a sustainable, scalable solution far into the future.**



*Because of you*, SCI worked with Kenyan solar cooker manufacturer, Ecomandate, to provide 40 Heliac solar cookers to more than 350 people in Kakuma Refugee Camp, Kenya.

Women, like Harerimana (left, in orange) – a refugee widow from Burundi and mother of five – can now cook with the power of the sun. Now, Harerimana and her daughters do not have to walk miles collecting firewood, risking rape and violence.

**Harerimana can give her children clean drinking water and healthier meals. Her daughters can go to school.** One day, her children can become solar cooks, *thanks to you*.

# Your Impact with SCI: Capacity Building

**Thanks to you**, SCI has identified 3.3+ million solar cookers, directly benefiting more than 11.8 million people.

As the leader of the solar cooking sector, SCI gathers and spreads this information to show government leaders, investors, and collaborators the positive effects of solar cooking.



**3.3+ million solar cookers are preventing over 23 million tons of CO<sub>2</sub> emissions from entering the atmosphere - equal to not driving almost 56.5 billion miles or not burning over 25 billion pounds of coal.**

# Your Impact with SCI: Capacity Building



SCI Executive Director, Caitlyn Hughes (right) recognizes two instructors at the Sacramento School of Science and Engineering (SES), an SCI Organizational Level Associate.

SCI builds capacity, especially through the SCI Association and SCI consultancy services, to help collaborators scale up to address challenges affecting more than 3 billion people.

**Solar cooking addresses challenges facing women's rights and equality, children's health and education, and environmental destruction and deforestation.**

To help the spread of knowledge and solar cooking technologies around the world, SCI empowers a powerful, effective global network of solar cooks, advocates, collaborators, and SCI Associates in more than **135 countries**.

See a full list of SCI Associates and Association benefits:  
<https://www.solarcookers.org/partners/sci-association>



# Your Impact with SCI: Capacity Building

**Did you know...** SCI manages the largest solar cooking database in the world? That database is The Solar Cooking Wiki and houses 1,700+ articles on solar cooking and is accessed *tens of thousands of times* each month from almost every country of the world.

The screenshot displays the homepage of the Solar Cooking Wiki. At the top, a dark blue header contains the URL 'www.solarcooking.org'. Below this, the SCI logo (Solar Cookers International) is on the left, and the title 'Solar Cooking Wiki' is in the center. To the right of the title, it says '1,798 PAGES' and has a button 'ADD NEW PAGE'. A navigation bar below the title includes links: 'LEARN', 'TEACH', 'SEE ALL...', 'ABOUT', and 'EXPLORE'. The main content area is titled 'Home' and features a green box with statistics: '139 Countries · 350 NGOs · 276 Individuals' and '169 Manufacturers · 424 Designs · 109 Plans'. It also mentions 'Sponsored by Solar Cookers International' and 'Funded by the Agua Fund, Inc.', with Facebook and Twitter icons. Below this are three orange buttons: 'Find your country' (with a globe icon), 'Build a cooker' (with a wrench icon), and 'Buy a cooker' (with a shopping cart icon). A list of languages is provided below the buttons, including Deutsch, Español, Français, Hausa, Hebrew, Igbo, Indonesian, Italiano, Kiswahili, Kreyòl, Kurdî, Malagasy, Malayu, Moirón, Português, Pycckий, Română, Soomaaliga, Tagalog, Türkçe, Vêl, Yorùbá, 中文, ភាសាខ្មែរ, नेपाली, 中文, 한국어, 日本語, हिन्दी, বাংলা, తెలుగు, ગુજરાતી, and others. On the right side, there is a section titled 'The Solar Cooking Wiki' with a list of links: 'About this wiki', 'Add or edit an article', 'About Solar Cookers International (SCI)', 'Sign up for email news updates', 'About the SCI Association', and 'Become an SCI Associate'. At the bottom right, there is a link for 'Solar cooking basics'.

Through the SCI Wiki, anyone, anywhere, at any time, can learn more about solar cooking best practices and connect with fellow solar cooks locally and globally. **People around the world can access the SCI Wiki in 37 languages to learn and share more about solar cooking.**

# Your Impact with SCI: Capacity Building



SCI and a collaboration of SCI Associates used the SCI Wiki to develop the curriculum for a solar cooking course at **Université Notre Dame d'Haïti**. In this course, students learn methods of clean cooking, the benefits of solar cooking, and how to build their own solar cooker.

SCI Science Director Alan Bigelow, Ph.D. (left) teaches students how to pasteurize water using a solar cooker and a water pasteurization indicator (WAPI) - a lifesaving lesson for young adults who are living in a country where nearly half of the population lacks access to safe drinking water.

Thank you to **solar cooking supporters and advocates**, like you, SCI Associate Rose Bazile, and SCI collaborator, the Public-Private Alliance Foundation, for making this solar cooking course possible.

# Your Impact with SCI: Advocacy

**SCI works to bring the voice of solar cooking – your voice – to global leaders and decision makers.**



SCI represented solar cooking at the United Nations High-Level Political Forum (HLPF) in New York City, USA. At HLPF, world leaders met to discuss progress towards achieving the 17 Sustainable Development Goals (SDGs) set by the United Nations.

Advocating alongside you was SCI Associate from Haiti, Rose Bazile (center left) and other SCI representatives. Rose brought her voice to world leaders to urge for solar cooking solutions, particularly for Haiti – a country where two thirds of the population is below the poverty line.

“I was proud and excited to be the voice from Haiti at the United Nations. I was able to meet and talk to people who show great interest in solar cooking. **My mission is a solar cooker in every Haitian household.**” – *Rose Bazile*



# Your Impact with SCI: Advocacy

**Thanks to you, SCI promoted solar cooking solutions to 28,000 global leaders at the 24th United Nations Climate Change Conference (COP24) in Poland. Your efforts were amplified because SCI's promotion of solar cooking is available to 3 billion more people digitally from this event.**



Papua New Guinea community leader, Ursula Rakova, speaking at Solar Cookers International press conference at COP24.

SCI makes sure your voice is heard.

Ursula Rakova, from Papua New Guinea, was one of the leaders at COP24. Ursula says her home is “being swallowed by the ocean.” **Papua New Guineans, like Ursula, are being forced to flee their homes, because of rising sea levels, one of the many effects of climate change.**

“Why wouldn’t you support solar cooking?  
*The sun is free. You cannot buy the sun.*”  
– Ursula Rakova

**Thanks to you, Ursula was empowered to bring her voice to a global platform, during an SCI press conference, sharing the urgent need for more solar cooking.**

# Your Impact with SCI: Advocacy

SCI awarded the *Solar Cookers International Order of Excellence* to the Republic of the Marshall Islands, for their extraordinary dedication to solar cooking.



Angeline Heine-Reimers, second from left



Angeline Heine-Reimers, Energy Planner for the Republic of the Marshall Islands, **advocated with you and SCI at the 24th United Nations Climate Change Conference (COP24)**. The Republic of the Marshall Islands has included solar cooking in its official plan to address climate change and is a shining example for other countries to follow its lead.

**“Climate change is not a future problem, it is impacting the Marshall Islands **right now**. The land is disappearing with sea level rises. Your culture is the land. If the land disappears, **who are you as a person?**”** – Angeline Heine-Reimers, Energy Planner for the Republic of the Marshall Islands

# Your Impact with SCI: Advocacy

**Because of you, SCI is continuously representing and advocating for the solar cooking sector at *high-profile* events including the:**

- United Nations High-Level Political Forum
- United Nations Climate Change Conference
- World Health Organization's Global Conference on Air Pollution and Health
- United Nations Commission on the Status of Women
- United Nations Environmental Assembly in Kenya

*...and more!*



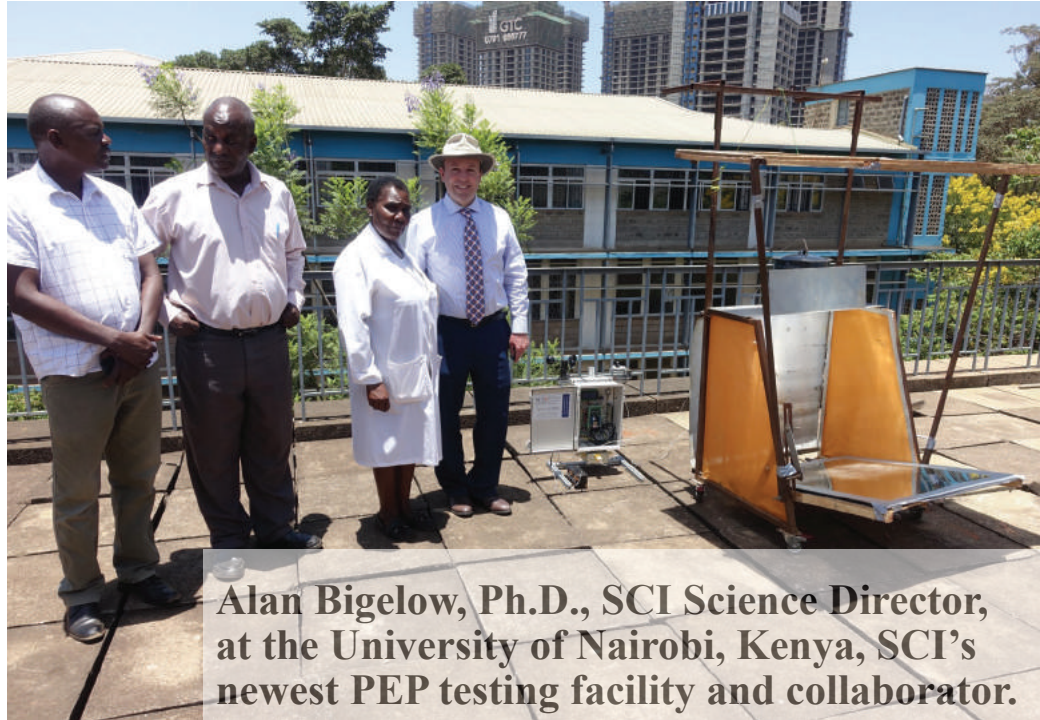
**SCI** has also been featured on a United Nations' news podcast and has published a chapter on solar cooking in the United Nations' book, [A Better World](#). Many of these books were given to civil servants in developing countries so they can see and replicate solutions that work – including solar cooking.

# Your Impact with SCI: Research

**SCI's Performance Evaluation Process (PEP) measures the standard cooking power (in watts) of a solar cooker.**

**SCI's Performance Evaluation Process (PEP)** empowers communities through knowledge, equipment, and skills. PEP testing measures the power (in watts) of different solar cookers.

With PEP testing, you, government leaders, and organizations can get the best, unbiased performance results for solar cookers, leading to the spread of solar cooking success, knowledge, and sustainability around the world.



**Alan Bigelow, Ph.D., SCI Science Director, at the University of Nairobi, Kenya, SCI's newest PEP testing facility and collaborator.**



# Your Impact with SCI: Research

## Solar Cooker Models Fully Committed to SCI PEP Testing

StarFlower



Heliac



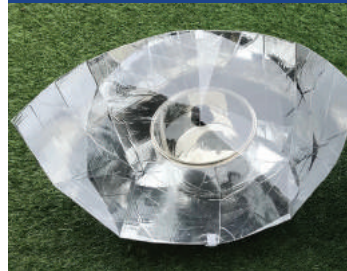
UGLI



SunFocus



Haines 1



SUNplicity





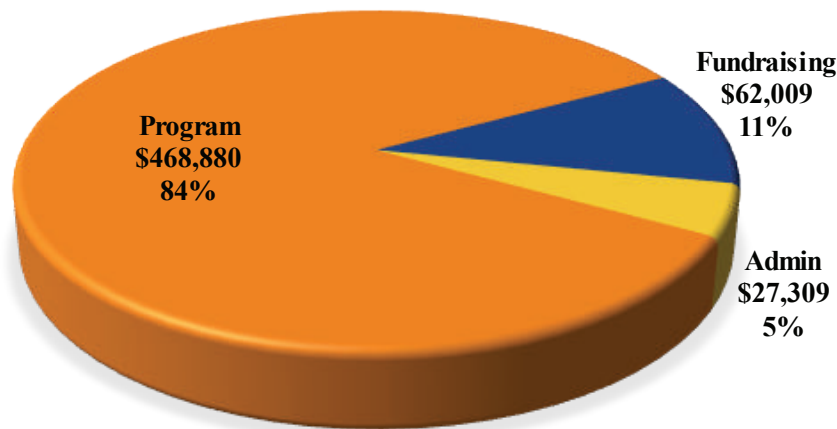
# Your Impact with SCI



“Solar Cookers International outperforms most other charities in America [by] demonstrating strong financial health and commitment to accountability and transparency.” - President and CEO of Charity Navigator, Michael Thatcher on SCI receiving the highest rating for 3 consecutive years.

## Board of Directors

Jim Moose, Esq., President  
Dr. Shishpal Rawat, Vice President  
Marty Greenia, Secretary  
Mike Paparian, Treasurer  
Dr. Peg Barratt  
Wyldon Fishman  
Eric Hafter  
Ruth Holton-Hodson  
Nathan Schumacher  
Monica Woods



Total income for FY 2018/2019: \$733,996

Ending net assets: \$1,005,513

# Your Impact with SCI: Thank You

SCI's work is only possible, because of YOU. Thank you for changing the lives of women around the world, like Harerimana (p.3), Rose (p.8) and Angeline (p.10) and protecting the Earth we all share for future generations. Thank you for believing in SCI and for continuing this important journey with us.

## **SCI offers a special thank you to all of our generous supporters:**

A Better World Fund  
Agua Fund, Inc.  
Aid for Africa  
American Academy of Arts and Letters  
Anonymous  
Ascent Environmental  
Louise Arnold Maddux Environmental Foundation  
Remy Moose Manley, LLP  
Rotary Club of Manassas  
Sacramento Municipal Utility District (SMUD)  
Soroptimist International of Metropolitan Sacramento  
The Distracted Globe Foundation

The Morris and Alma Schapiro Fund  
The W Trust  
Whole Systems Foundation  
SCI Associates  
SCI Global Advisors  
SCI Legacy Donors  
SCI President's Circle Members  
SCI Volunteers  
... You

Photo credits: SCI Science Director Alan Bigelow, Ph.D.,  
SCI Associates Mary Buchenic and Rose Bazile, SCI Board  
Treasurer Mike Paparian, Communications Associate Shannon  
S. Watkins, UN Convention on Climate Change, unknown

“[Solar cooking] is an urgent necessity. Climate change is a pressing problem...  
Our planet is our only home.”

Mary Frank, SCI Supporter and Volunteer of the Year 2014



US tax ID 68-0153141



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

2400 22nd St. Ste 210  
 Sacramento, CA 95818 USA  
 +1 (916) 455.4499  
[info@solarcookers.org](mailto:info@solarcookers.org)