

Solar Cooking in Refugee, IDP and Informal Settlements

1 person in 113 – displaced by conflict or persecution

1 person every 4 seconds – displaced by a natural disaster

EVIDENCE: SOLAR COOKING...

- Reduces trips outside camps by 86%
- Reduces violence against women
- Saves up to 50% of household energy

Baseline data show average of 1 kg fuel wood per person per day. A good portion of this 1 kg/ person is used for cooking. Based on UNHCR's estimate of 65.3 million refugees in 2015, refugee camp wood fuel rates are:

= 65,300,000 kg of fuel wood per day

= >23 billion kg of fuel wood per year

(>52 billion pounds of fuel wood)

Solar cooker implementation in refugee and other informal settlements was a highlighted focus of the 6th SCI World Conference. The solar cooking sector is committed to increasing energy access for the world's poorest billion people, many of whom are refugees.

[To read SCI's Refugee and IDP Camp Solar Cooking Series, visit the wiki page:](#)

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Last updated: 29 December 2016

Refugee and IDP Camp Solar Cooking Series [Edit](#)

Immediately below are five articles originally appearing in the SCI Digest, in the Refugee and Internally Displaced Persons (IDP) Solar Cooking series by Julie Greene, Executive Director of Solar Cookers International!

Background [Edit](#)


There are more displaced people living in refugee camps and IDP camps than at any time in human history.

People who live in camps have limited access to most things they need for daily life, including energy for cooking and making water safe to drink. The local energy supply is often very limited. And there are rarely sufficient funds to buy energy.

Free solar energy gives people access to energy they need for cooking and water pasteurization. This is critical where the energy supply is diminished and fuel is expensive.


Solar cooking aligns with the United Nations High Commission on Refugee's environmental policy. Solar cooking helps achieve all 17 Sustainable Development Goals (SDGs). But solar cooking in refugee and IDP camps continues to be an exception.

How can we accelerate adoption of the cookstove? The models to reduce...



Les femmes réfugiées du Darfour cuisinent solaire

Video shows hundreds of CookStoves in use at the Touboun Refugee Camp in Chad.



A refugee in Burkina Faso uses a Blazing Tube solar cooker supplied by UNHCR.

Update on Kenya refugee camp closure

A Kenyan court ruling blocked the government's decision to close Dadaab camp in November 2017. Dadaab is the world's largest refugee camp and home to more than 200,000 Somalians.

Consultancy Opportunity: UNHCR Application Deadline 1 March 2017

The UNHCR Energy Unit is establishing a roster of technical energy experts to carry out consultancy works from two weeks up to one year's duration. The requirements list includes solar thermal and cookstoves and alternative cooking practices. For more information about screening requirements, the listing of consultancy work areas, and qualifications, [click here](#).

If you would like to explore partnership with Solar Cookers International for this consultancy opportunity, contact info@solarcookers.org on or before **14 February 2017**.

[#SCIWC2017 Conference Papers and Posters now available – click here](#)





Exciting moments from the 6th SCI World Conference 2017 Photo: C. Cross

Plenary and Academic Presentations available on YouTube

Videos of the 6th SCI World Conference 2017 Presentations can be found on [YouTube](#) and linked below.

Deepak Gadhia: Keynote



Julie Greene: Keynote



Vandana Shiva: Plenary



Announcement: SCI seeks Researcher/ Writer to produce White Paper

Updated 2/10/2017

Solar Cookers International seeks an experienced researcher and writer to investigate and synthesize data about successful, scaled solar cooking projects. Brief contract available. [Click here for more information](#). To apply, submit a

resume or CV, plus a link to an online portfolio of previously published work to info@solarcookers.org.

Entrepreneurial Opportunity in Odisha, India

Seeking a self-motivated entrepreneur to take over management of production and marketing for Sun Oven India near Bhubaneswar. Basic seed capital provided, but the successful candidate will be expected to provide some financial resources, amount to be negotiated.

The successful candidate must be able to master assembly set-up and batch processing of parts to build 400+ American-designed household solar ovens, or hire and supervise other skilled workers to assemble the ovens. All parts, tools and jigs, detailed instructions and consulting assistance provided. Space for assembly unit is provided.

The Global Sun Oven is certified for the MNRE solar subsidy for off-grid solar products. The initial target market is rural households in Odisha state that do not have access to cooking gas (LPG). Product may be viewed at facebook.com/sunovenindia or sunoven.com/products.

Candidate must provide a preliminary business plan with market analysis for consumer durables in rural Odisha; distribution strategy including ideas for partnerships with trusted local brands or SHGs; proposed management team; supply chain management including logistics, planning, and sourcing; and a first-year financial plan.

Expressions of interest and accompanying documents **due by 5 March, 2017**. In-person interviews will be conducted in Odisha week of 21 March 2017.

Contact: Ms. Ricca Slone, Sun Oven India, sunoven.india@gmail.com

Award Opportunity: Renewable Transformation Challenge

Elsevier and ISES are proud to announce the launch of the Renewable Transformation Challenge. The award has been launched to encourage the progress to a world powered by renewable energy and accessible energy for all. There is a €20,000 prize for the first place entry.

The winner, or one representative of the winning team, will receive a free registration to the Solar World Congress 2017 in Abu Dhabi, where the presentation of the Award will take place, and one Gold membership to the Society. The winning project will be featured on the Solar Energy journal homepage and on the ISES website. View more about the [Renewable Transformation Challenge](#).



Academic Project Mentor Sought in USA

The Indo-US Science and Technology Forum offers a 3 – 6 month fellowship/internship to work in US in the field of solar energy. Applicant from Rajasthan University, Jaipur (India) seeks project mentor willing to provide guidance on any topic in solar thermal as part of this fellowship. If you are an academic and want further information, contact info@solarcookers.org to receive the CV of the applicant, an attendee at #SCIWC2017 with an interest in solar thermal appliances (solar cookers, solar water heaters, solar stills and solar concentrators.) Please [reply by 1 March 2017](#).

American Solar Energy Society (ASES)

Call for Papers – Deadline 1 Mar 2017

Call for Abstracts

There will be a Solar Thermal Cooking Track at the **American Solar Energy Society Conference**, 9-11 October 2017, Colorado University, Denver, CO USA. Commercial and Industrial (C & I), scalable distribution models, and other papers encouraged. To submit a paper for peer-reviewed and to be published in the ASES conference proceedings, submit papers **by 1 March 2017 to Solar Cookers International** info@solarcookers.org.

To be a Solar Cooking Track presenter at the ASES Conference, participate in a forum or panel presentation, or to demonstrate a solar cooker design, submit abstracts to Solar Cookers International info@solarcookers.org. Abstracts will be selected according to sector relevance, order of submission, and superior expertise.

Associate Benefits: Advertising in the SCI Digest

One of the benefits of being a Solar Cookers International Associate is the ability to purchase discounted advertising space in the SCI Digest. This is an excellent opportunity to tell 5,000 international readers about your important work. [The guidelines are attached.](#)

Submit your ad to program@solarcookers.org.

SCI Association: New Organizational Level Launched

A new level of the SCI Association was launched at the 6th SCI World Conference 2017. In addition to individuals, organizations can now join the SCI Association. Benefits include increased recognition and networking opportunities. Learn more and join at <http://www.solarcookers.org/our-work/association-and-network/association-benefits/join-association/organization-associate-benefits/>.

Welcome to SCI's newest 2017 Individual Associates

Bidhan Chandra Loitongbam	Synergy Engineering & Environmental Solutions
Mr. Anil Kumar	
Prof. Jean Golden	Ryerson University
Mr. Edward Sembajjwe	Disabled Technicians of Uganda Limited
Ms. Sedi Louise Byskov	Heliac
Dr. Manoj Kumar Soni	Birla Institute of Technology and Science, Pilani
Mr. Godfrey Mawira Kaburu	World Food Programme /National Council of Churches of Kenya
Ms. Kriti Shrestha	Foundation for Sustainable Technology (FoST)
Prof. Sandeep Sangal	Indian Institute of Technology, Kanpur
Mr. Gursimran Singh Korotana	
Mr. Rajinder Singh	Jaxina Constructions Pvt. Ltd.

Thank you, SCI donors

Solar Cookers International thanks our donors, Sustainability Partners HNG Glass and the Gujarat Energy Development Agency (GEDA), and our hosting partner Muni Seva Ashram for making the 6th SCI World Conference in India possible.

“ The 6th SCI World Conference and the subsequent solar technology tour provided a unique learning experience as well as serving as a testimony to the unity of people of different backgrounds, ethnicities, nationalities, and religious beliefs coming together with a common goodness in heart to better someone else's life by using solar cooker technology and promote environmentalism. The harmonious atmosphere of the entire duration of the conference and the tour, the passion of the innovators, the compassion of the humanitarians, the perseverance of the scholars and the philanthropists, and the friendliness and the

pride of the host were something that would not otherwise be felt without attending personally.”

Thank you SCI, its sponsors and partners, and the global solar family for creating such a wonderful conference and experience. It was an honor and a humbling experience to witness the coming together of great ideas, bright minds, and kind hearts.

Gratefully,

Chih Wei Hsu, Buddhist Tzu Chi Foundation"

" Thank you deeply and congratulations for the hugely successful Solar Cookers' Conference in India. Your sacrifice was worthwhile and will pay off. As East African Solar cooking team we've gotten home safely, and are very grateful for your invitation and giving us opportunity to share with rest of the world experiences, knowledge and insight into solar cooking. This was my first conference to attend and it was one of the most enlightening moments in my life. We've learnt great lessons and amazing simple ideas to promote solar fuels- can't wait to get home to start implementing.

Thanks for the travel fund too, convey our special thanks to the donors. Glad also to have been admitted as part of the loving, diverse global solar cooking family- it was cool and refreshing to meet you and others from different continents and backgrounds.

Warm and Best Regards,

Godfrey Mawira Kaburu, World Food Program"

“ Having the opportunity to attend the Solar Cookers International conference in India in January 2017 helped me recommit myself to advancing solar cooking for refugees. Had I not been invited to speak or received funding to assist with my travel I would not have been able to attend. I have participated and coordinated many conferences and I believe this was the most well organized and valuable one to date.”

I am so impressed with how SCI has grown and expanded its reach. The extraordinary knowledge, professionalism and commitment of the staff is unparalleled. I feel lucky to know them and to gain advice from them. The conference exceeded all expectations I had and I am so thankful I was able to participate.

Thank you.

Best,

Rachel Andres, Former Director of the Solar Cooker Project of Jewish World Watch"



Thank you to our Conference volunteers in India Photo: C. Cross 2017

Please submit articles for the *SCI Digest* to info@solarcookers.org.

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Solar Cookers International is a 501 (c)(3) non-profit organization leading global advocacy for the solar cooking sector.

To learn more, visit www.solarcookers.org

SCI Digest Editors: Ms. Julie Greene, Executive Director; Ms. Svetlana Hristova, Outreach Associate, Solar Cookers International



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