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New language for solar cooking evaluation: Wattage

The Solar Cooker Performance Evaluation Process (PEP)

People talk about solar cookers by type. "The three main types of solar cookers are panel, box, and parabolic...." SCI is asked where new designs fit in these categories of type. (Evacuated tubes fit within the box type because these tubes have insulation. The Fresnel fits in the parabolic type as the lens is a focusing element like a parabolic reflector.)

Now there's a new way to talk about solar cookers: Wattage. SCI's new solar cooker performance evaluation protocol (PEP) evaluates the power of a solar cooker. Preliminary test results from SCI show average standard cooking power for a box-type solar cooker is 56 Watts; for a parabolic cooker, 289 Watts; and for a reflective-panel solar cooker, 39 Watts.

The PEP results also reveal new information about aperture and the greenhouse construction. [Listen to explanations by Dr. Alan Bigelow, SCI's science director.](#)

Thanks to SCI partners and their willingness to share data, SCI has counted 3.1 million solar cookers distributed worldwide. When the data are analyzed by type, we now know that **the global installed solar-thermal cooking capacity is at least 377 MW**. This is a good starting point to begin scaling up. The goal of the solar cooking sector is to grow this installed solar-thermal cooking capacity so more people can gain access to solar energy for cooking.

You can make important contributions in two ways: participating in testing, and sharing your data. [Learn how by visiting SCI's website.](#)



Julie Greene
Executive Director
Solar Cookers International

On Thursday, 3 August 2017, the International Solar Energy Society (ISES) together with Solar Cookers International (SCI) organized the webinar, "Solar cooker performance evaluation." [Click here to watch the full webinar.](#)

SCI Annual Report for fiscal year 2017

[This what empowerment looks like.](#)

SCI's summary of an extraordinary year is now available at solarcookers.org

Paper copies were mailed to selected SCI donors. If you would like paper copies to help spread knowledge of solar cooking to your colleagues, please email donor.relations@solarcookers.org.

Education Opportunities



Solar cooking in Latin America (Webinar series in Spanish)

SCI is partnering with 6th SCI World Conference 2017 presenters and travel fund recipients to offer the webinar series with several pioneering Latin American solar cooking organizations.

La Sazón del Sol y Cocina Solar México en el webinar “Procesamiento solar de alimentos en México” (“Solar food processing in Mexico”) (webinar)

Martes (Tuesday), 22 August 2017

11 am CDT (Mexico City)

Las sesiones contarán con la participación de diversas organizaciones pioneras en cocción solar dentro de Latinoamérica.

Webinar registration details will be announced soon.

How to Promote Integrated Solar Cooking as a Social Business (Webinar). Two Examples of Success from Africa

Wednesday, 30 August 2017

12:00-13:00 (Pacific Time)/ 21:00-22:00 CEST (Central European Summer Time)

[Click here to register.](#)

Two examples of successfully growing ISC businesses in Africa will be presented: Togo Tile in Mali and the Solar Connect Association in Uganda. Both small ISC companies are successfully expanding due to the drive and skills of the entrepreneurs themselves, facilitated and reinforced by Solar Cooking Kozon's support.

[Click here to register.](#)

SCI Associate Mukasa Kawesa and his team with certificates after receiving training (sponsored by Solar Cooking Kozon) on communication and marketing skills to increase efficiency in the field when marketing to rural people, their core customers. These tips, and many others, will be shared during the upcoming webinar.



A recording of the webinar will be available to Solar Cookers International Associates. [Learn more about and join the SCI Association.](#)

Empower hundreds and gain visibility by becoming [a SCI Webinar Sponsor.](#)
Contact info@solarcookers.org.



Help more teens like me learn about solar cooking. Photo: G. Mawira 2017

Solar Cooking Sector Updates (Webinar)

Thursday, 21 September 2017

8:00-9:00 am (Pacific Time)/ 15:00-16:00 GMT

[Click here to register.](#)

Click here to [be the Webinar Sponsor](#)

Refugee Working Group (Conference Call)

Thursday, 21 September 2017

9:00-10:00 am (Pacific Time)/ 16:00-17:00 GMT

A Refugee Working Group formed as a result of the refugee discussion at the 6th SCI World Conference. This

will be the first meeting of this new Working Group. It will immediately follow the "[Solar Cooking Sector Updates](#)" Webinar (see above).

Deadline to register for the conference call: before Monday, 18 September, 2017
info@solarcookers.org

Events

New! HEARTH 2017 -- Household Energy And Renewable Technologies for Humanity **SCI attending - confirmed*

Cottage Grove, Oregon USA

17 – 20 August 2017

Co-hosted by InStove and Burn Design Lab. "Bringing together folks who work with technology in community-based development." [Click here to see the agenda and register.](#)

Solar 2017, American Solar Energy Society (ASES)

Solar Cooking Track **SCI attending - confirmed*

Denver, Colorado USA

9 – 12 October 2017

Social Capital Markets (SOCAP) **SCI attending - confirmed*

San Francisco, California USA

10 – 13 October 2017

The Global Alliance for Clean Cookstoves - Clean Cooking Forum **SCI attending - confirmed*

New Delhi, India

24 - 28 October 2017

Solar World Congress 2017, International Solar Energy Society (ISES)

Jumeirah Hotel, Etihad Towers

Abu Dhabi, United Arab Emirates

29 October - 2 November 2017

International Organization of Standards (ISO)/TC 285 **SCI attending - confirmed*

Kathmandu, Nepal

30 October – 03 November 2017

UN Climate Change Conference (COP23) **SCI attending - confirmed*

Bonn, Germany

6 - 17 November 2017

CONSOLFOOD2018 - Advances in Solar Thermal Food Processing

Instituto Superior de Engenharia, Universidade do Algarve, Campus da Penha

Faro, Portugal

22 - 24 January 2018

Second round call for abstracts: Deadline 30 September 2017

Submit to the organizers (Celestino Ruivo: cruivo@ualg.pt and Bernhard Müller: bs_mueller@gmx.net).

Oral sessions, keynote lectures, a round table discussion, and poster sessions are being planned.

For more information, see the conference website www.consolfood.org

Publication Opportunity

Future of Food: Journal for Food, Agriculture and Society is a collaborative project between the Department of Organic Food Quality and Food Culture at the University of Kassel, Germany and the Federation of German Scientists (VDW).

The journal is indexed by the several institutes including SCOPUS and Emerging Sources Citation Index® – Web of Science (Clarivate Analytics, formerly Thomson Reuters' IP & Science branch). http://fofj.org/blog/?page_id=549

Call for research papers, reports and book reviews for Volume 5, Issue 3 of the journal (Winter 2017), which will focus on the theme of "Citizen Science for Sustainable Food Systems: Open Innovation, Traditional Knowledge & People's Active Role."

Deadline: 30 August 2017

[Please contact the managing editors for more information.](#)

Award Opportunity

The Dubai Municipality and UN-Habitat invite submissions to the 2017 Dubai International Award for Best Practices to Improve the Living Environment.

This is an opportunity to highlight effective interventions that are in line with the New Urban Agenda and Sustainable Development Goal 11 – to make cities and communities inclusive, safe, resilient and sustainable. The award is open to all the different actors to show case their most effective interventions. Awards range from 15,000 to 30,000 USD.

Deadline: 31 August 2017

To register and submit an application, please visit <http://www.dubaiaward.ae>. To learn more about the Dubai International Award visit our webpage <https://unhabitat.org/dubai-award/>. All applications must be submitted online. If you have questions, please contact best.practices@unhabitat.org.

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

Consider a special gift to SCI in 2017.

Honor someone with a gift [today](#).

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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 Editor: Ms. Julie Greene, Executive Director, Solar Cookers International

Assistant Editor: Mr. Jeron Lawson, Administration Assistant, Solar Cookers International



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