

Press  
Conference



# What is a solar cooker?

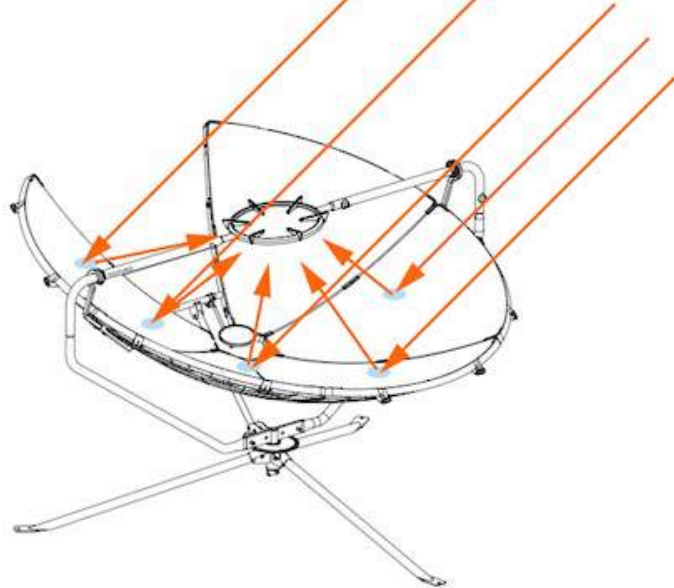


Reflective panel

A device which collects and absorbs direct sunlight and retains heat to cook food or pasteurize drink.

Most common  
types

Parabolic  
reflector



Box oven

- Thermal cooking
- Hundreds of variations on these basic types exist.

# What is a solar cooker?

Collect light

Absorb light

Retain heat

Ease and Efficient

Safe and Sustainable

Several large-scale solar cooking systems have been developed to meet the needs of institutions worldwide.





# Why solar cooking?

- Zero fuel cost
- Zero air pollution
- Zero greenhouse gas emission
- Zero inhalation of smoke
- Reduces deforestation
- Nutritious meals
- Can be used for drying food
- Can pasteurize water
- Zero time (or danger) from collecting biomass fuel



# Why solar cooking?

- Great for mitigation and adaption
- Cost effective
- Requires no infrastructure
- Quick implementation
- Accessible
- “The people’s solution”





# Why solar cooking?

- 3.7+ million solar cookers worldwide (and counting...)
- 13.4+ million people directly impacted by solar thermal cooking
- 7 billion meals cooked via solar thermal
- 377 MW of thermal heat capacity
- Reduce CO2 emissions by  
27 million tons
- \$200 billion in potential savings  
and benefits annually

*(World Bank estimate, 2016)*



# Who is Solar Cookers International?

- Non-profit leading the solar cooking sector since 1987
- Hundreds of collaborators in over 135 countries



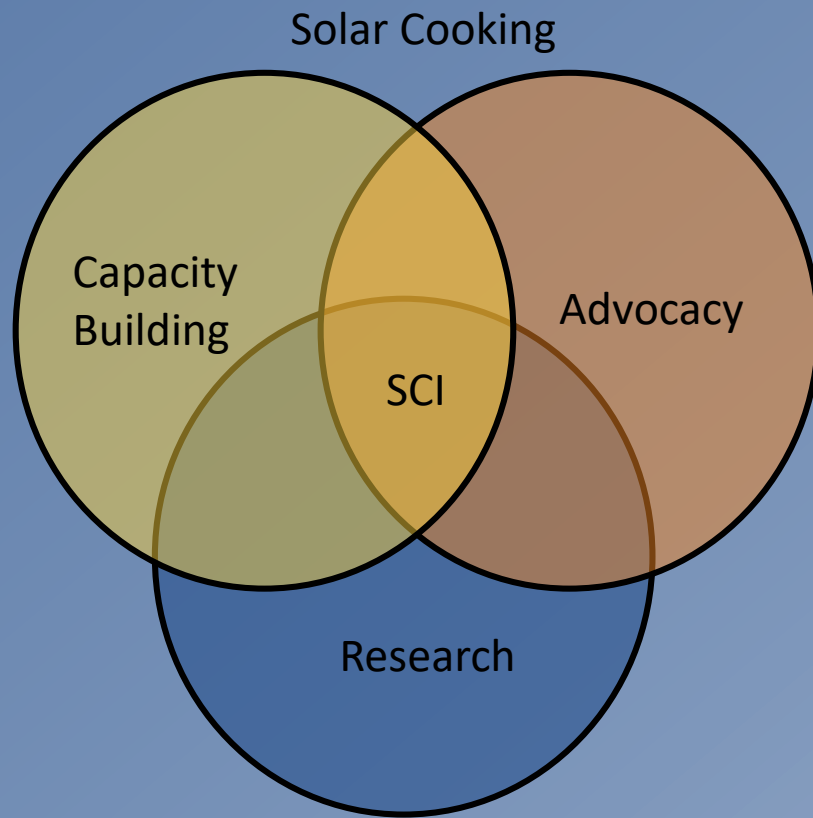
Mission & Vision:  
Solar Cookers International

improves human and environmental  
health

by supporting the expansion of proven,  
clean, and sustainable cooking

in vulnerable regions.

# Who is Solar Cookers International?





Advocacy

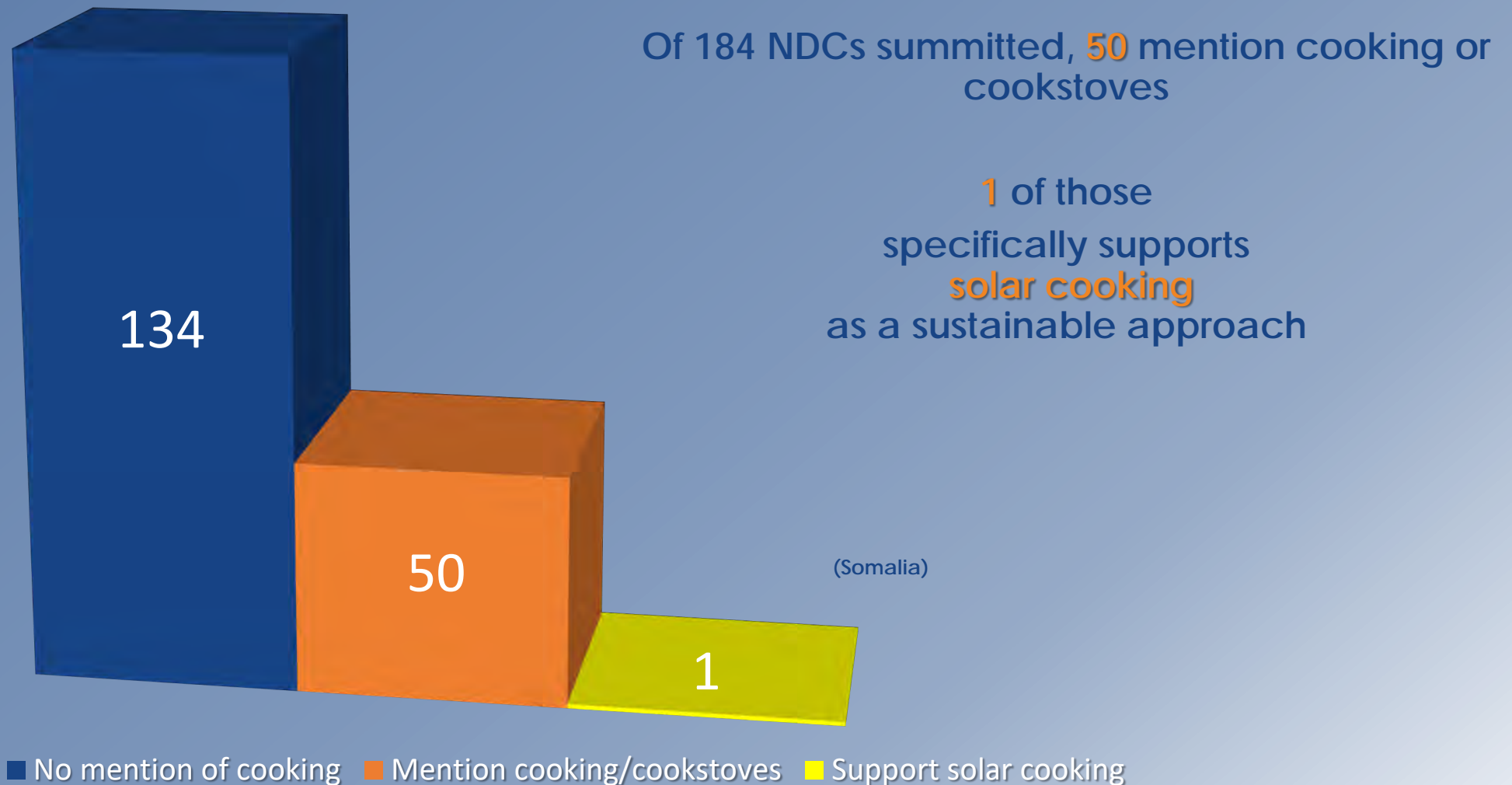


# Solar Cooking Supports All 17 United Nations SDGs





# Nationally Determined Contributions (NDCs)



*\*184 submitted as of 11/11/19*

Build  
Capacity





# Leadership through Data Collection and Analysis

- Adoption + Impact Survey
- Quick Needs Assessment



**The Solar Cooking Wiki**

1,776 PAGES [ADD NEW PAGE](#)

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## Home

Redirected from Solar Cookers International Network (Home)

135 Countries · 350 NGOs · 277 Individuals  
164 Manufacturers · 406 Designs · 94 Plans

Sponsored by Solar Cookers International  
Funded by the Agua Fund, Inc.

Deutsch, Español, Ελληνικά, Français, Hausa, Igbo, Indonesian, Italiano, Kiswahili, Kreyòl, Malagasy, Malayu, Português, Русский, Soomaaliga, Tagalog, Việt, Türkçe, Yorùbá, தமிழ், नेपाली, 中文, العربية, हिन्दी, বাংলা, తెలుగు, ગુજરાતી, སྐད་ཀྱི་ཡི་རྒྱུ་, ਪੰਜਾਬੀ, ಕನ್ನಡ, ਪଞ୍ଜାବୀ

[Find your country](#) [Build a Cooker](#) [Buy a Cooker](#)

### Solar cooking around the world

[Top News](#) [Events](#) [New Content](#)

**April 2018**

**Partner Webinar: 31 May 2018, 11:00 a.m. EDT (15:00 GMT):** Solar Cookers International and the Global Alliance for Clean Cookstoves will present 'The Clean, Sustainable Cooking Solution - Solar Thermal' (preregistration required)

The Jimmy McGilligan Centre for Sustainable Development has its first solar food fest

**The Solar Cooking Wiki**

- About this wiki
- Add or edit an article
- Sign up for the SCI Digest
- Become an SCI Associate
- About Solar Cookers International

**Solar cooking basics**

- Intro to solar cooking
- Build a solar cooker
- Buy a solar cooker
- Pots, glazing, glue, paint, etc.
- Cooking guidelines
- Frequently-asked questions

**See all...**

- Top news
- New content
- Events
- Designs
- Construction plans
- Countries



# Scalable and Sustainable with Social Entrepreneurship and Best Practices





Research



# Performance Evaluation Process (PEP)

- Harmonizes with the International Organization for Standardization (ISO)
- Provides a single power measure of thermal performance, in Watts

ASAE S580.1 NOV2013  
Testing and Reporting Solar Cooker Performance

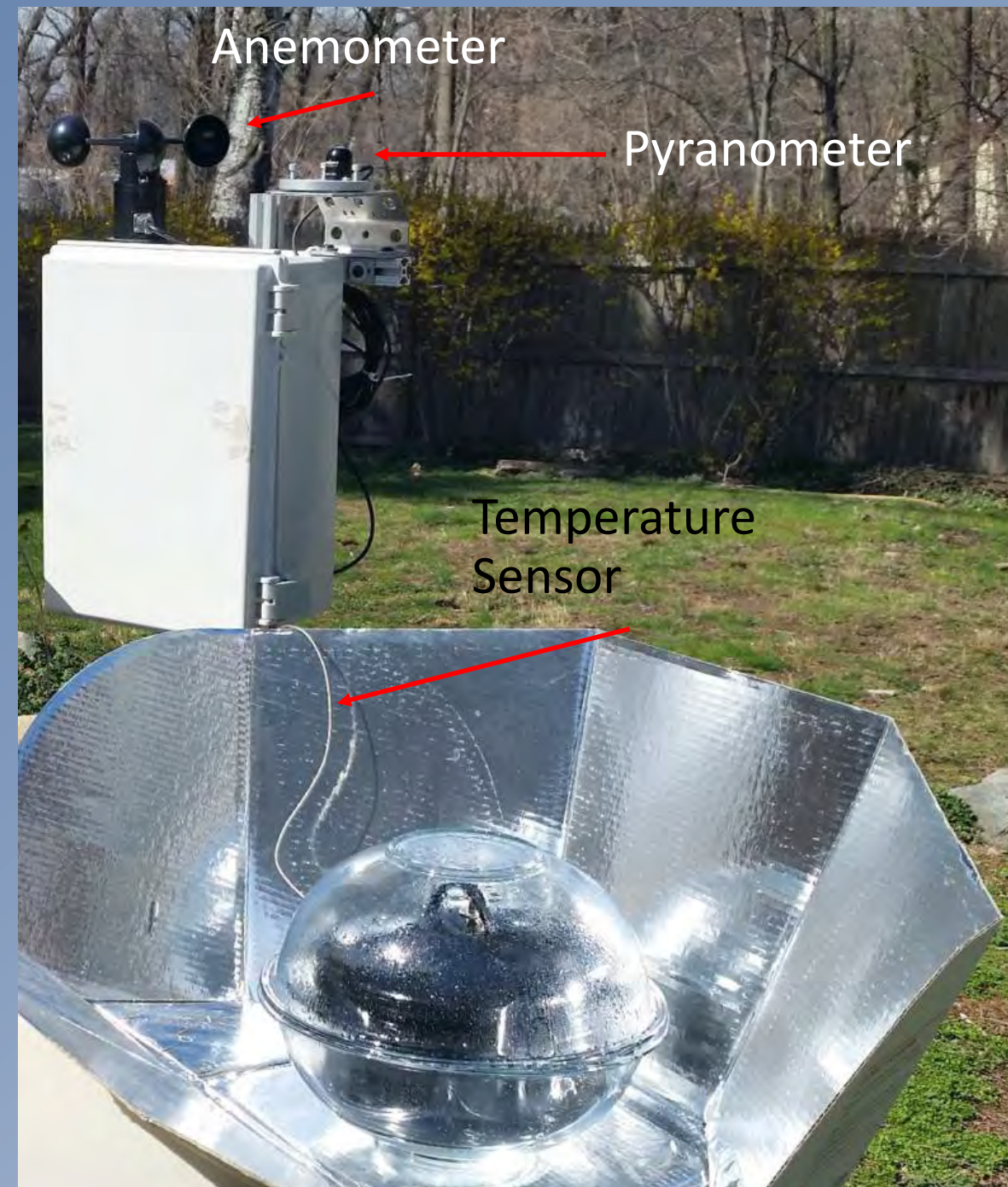


American Society of  
Agricultural and Biological Engineers



Test station designed and assembled by SCI  
Contractor Justin Tabatchnick

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





# Why is SCI PEP testing important?

- It assists consumers and project planners in making informed decisions to select the best solar cookers for their needs, which can lead to solar cooking success and scaling
- Unbiased, scientific, replicable





# SCI solar cooker testing centers

(1) California  
(USA)



(2) New York  
(USA)



(3) Nepal  
(Asia)



(4) Kenya  
(Africa)





# PEP committed solar cookers



UGLI



SUNplicity



Heliac



Haines 1



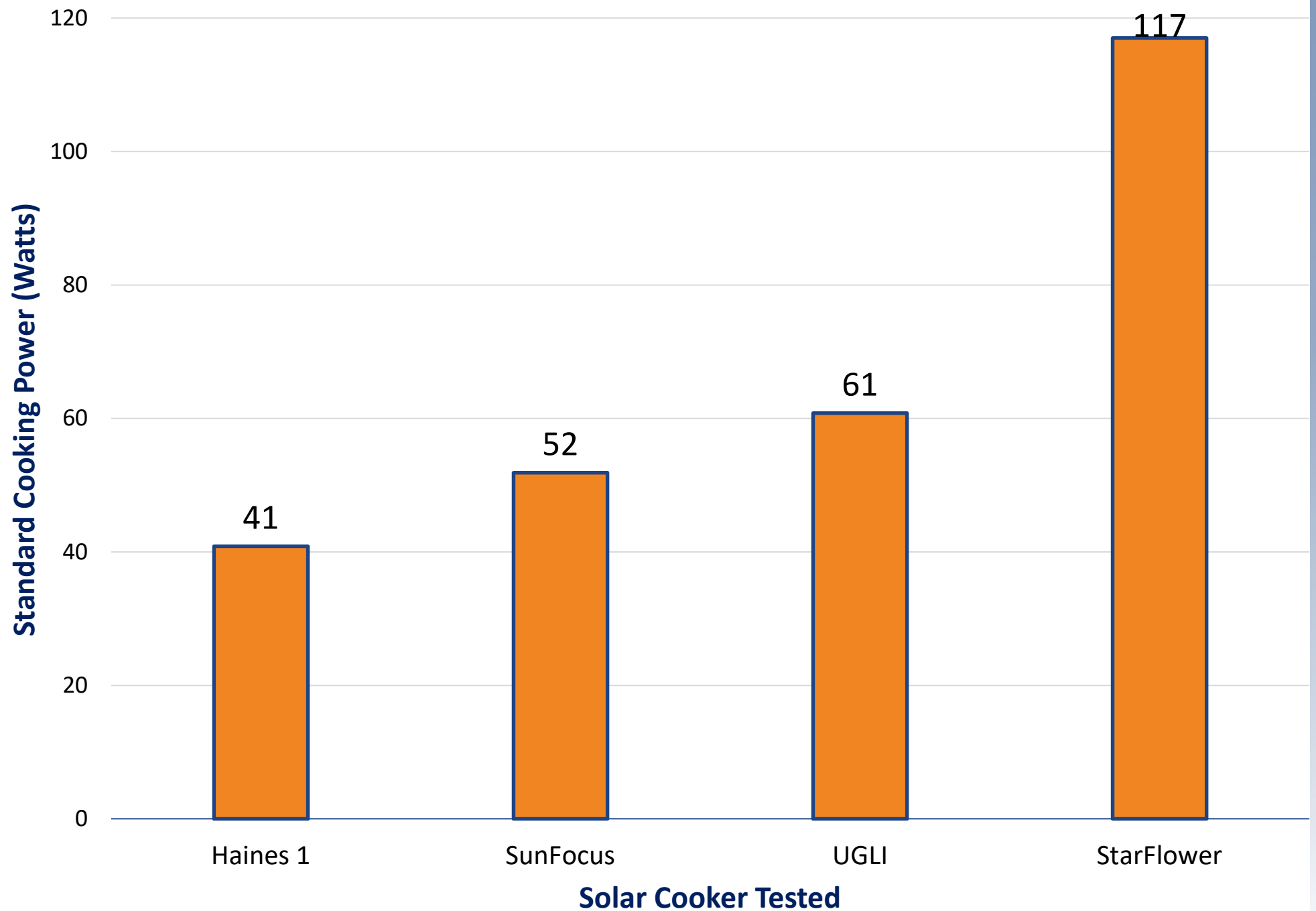
Haines 2



SunFocus



# SCI PEP tested solar cookers



Ways to  
Engage





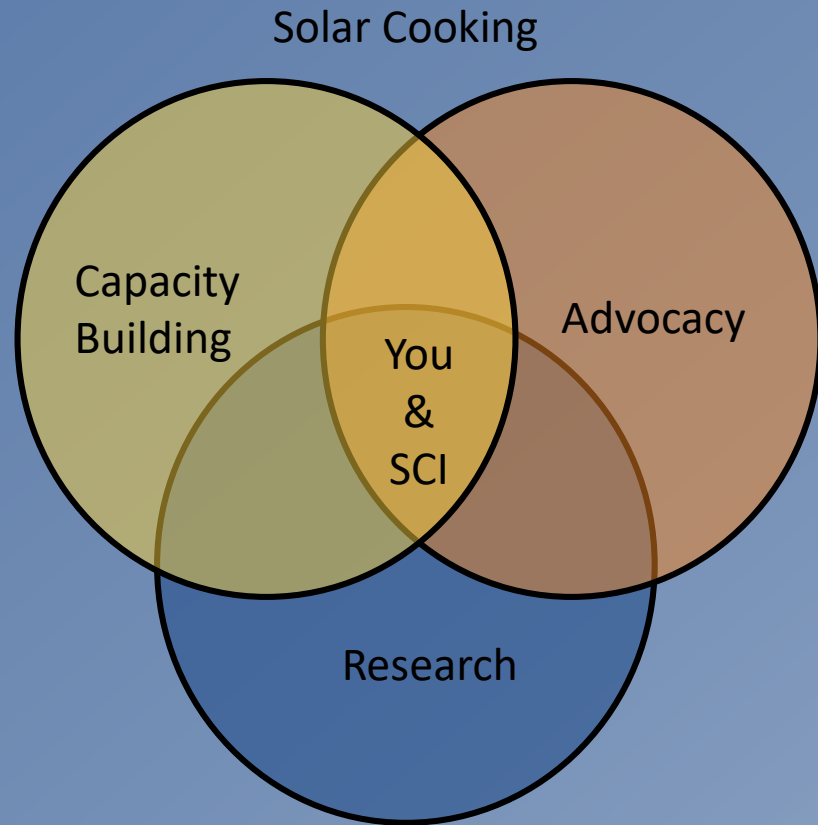
# Consult SCI

## Sample Services

- Project design
- Quick Needs Assessment
- Baseline and evaluation surveys
- Solar cooker design testing
- Project promotion through the SCI Association
- Solar radiation analysis
- Regular consultations
- Data analysis and interpretation
- Collaborator and resource referrals

Contact us for more info  
[www.solarcookers.org](http://www.solarcookers.org)

# What can you do? (How to engage with SCI)



- Come to our open meeting 9th Dec 15:00-16:00
- Access SCI's resources
- Connect with our collaborators
- Join the SCI Association
- Sign up for more information
- Include solar cooking in your work and/or your country's NDC
- Encourage SCI PEP testing of solar cookers