

# One Size Doesn't Fit All: Diversifying Solutions

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**Tara Ramanathan** ◦ **Clean Energy Program Director**





Nexleaf Analytics is a mission-driven technology company. We work to preserve human life and protect our planet by designing sensors and data analytics.

10 years of proven experience in clean cooking and immunization, and actively engaged in 9 countries across Asia and Africa



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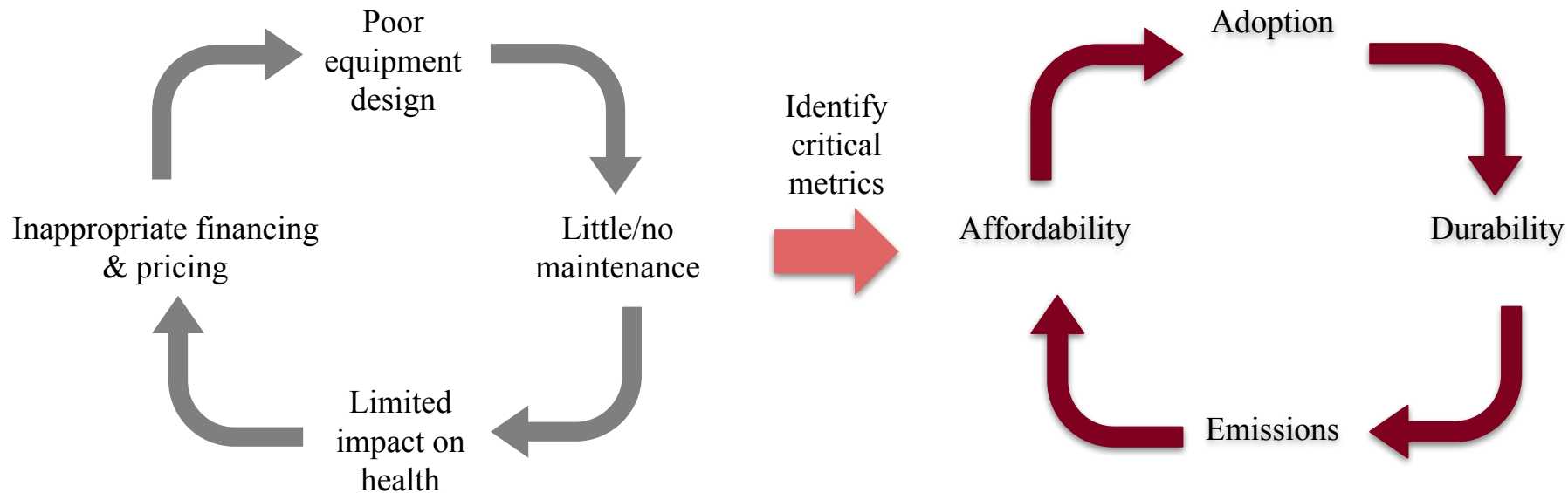
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# Solving Barriers

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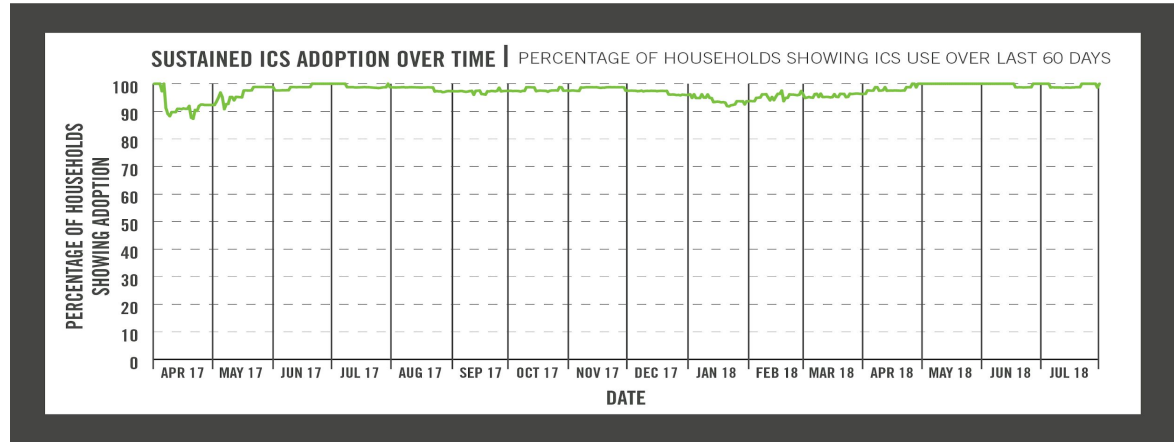


# Proving Sustained Adoption is Possible

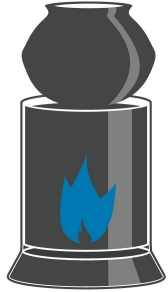
## 1. Adoption:

- a. Usage: sensor data showed 100% of households cook on the ICS at least 1 hour per day on average over the most recent 60 days
- b. Usability: qualitative surveys





2. **Emissions:** reduces Black Carbon by 30.83%
3. **Affordability:** affordable compared to other stoves tested
4. **Durability:** no major issues detected



# Replicating in Nigeria: Testing phase 1







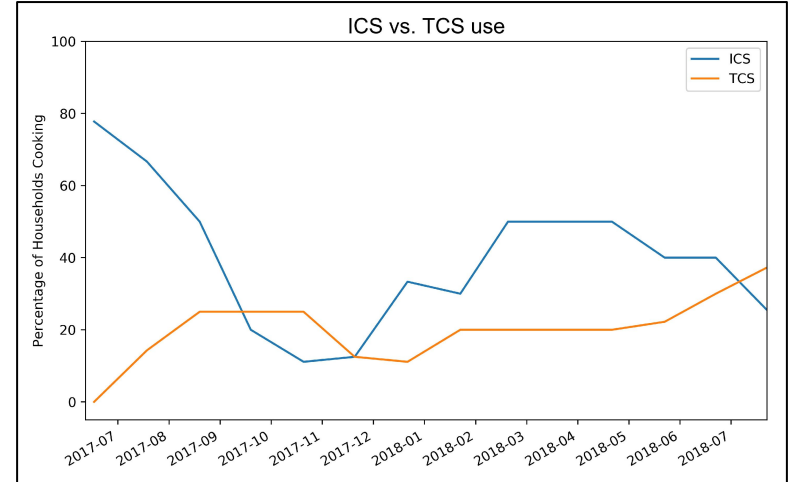
## Biomass 1

1. Adoption\* 
2. Emissions 
3. Affordability 
4. Durability 



## Biomass 2

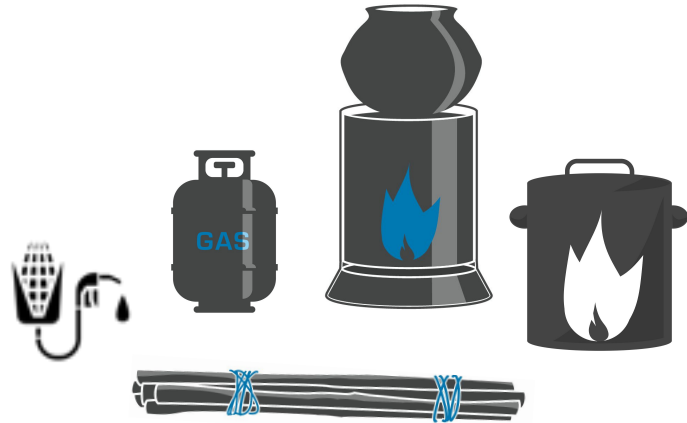
1. Adoption 
2. Emissions 
3. Affordability 
4. Durability 



Biomass 2 cooking activity.

\*Biomass 1 showed high usage but low *usability* based on qualitative feedback.

# Nigeria: Phase 2

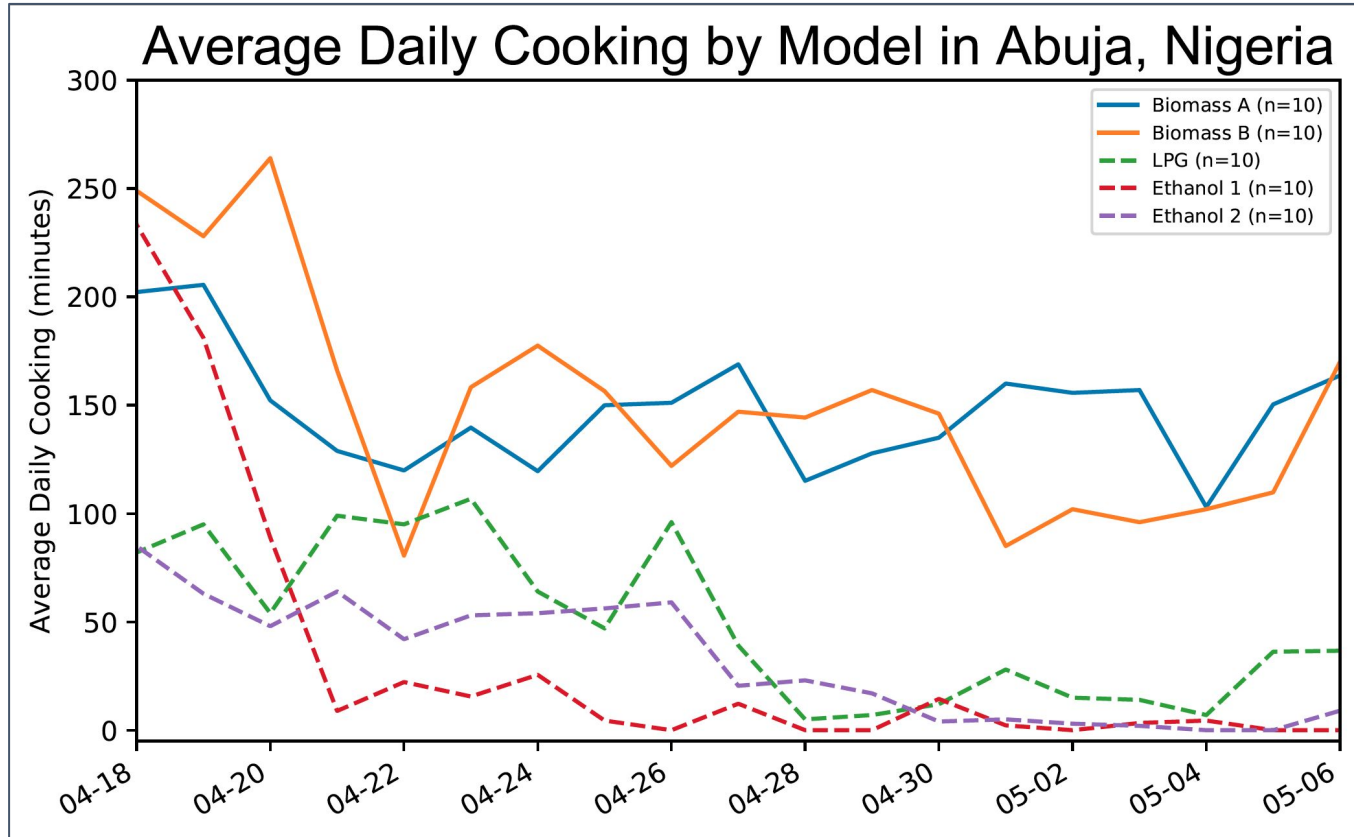


Evaluating 5 solutions across 50 homes:

- 2 biomass models
- 3 clean fuels
- Plus 3-stone fire



# Comparing 5 Diverse Cooking Solutions



# Evidence Drives Implementation

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## STEP 1

Ensure only Tier 3+ solutions are deployed to households

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## STEP 2

Prove initial uptake in 10 households through field testing

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## STEP 3

Prove sustained adoption in 100 households through field testing

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## STEP 4

Test air quality in 1000 households

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## STEP 5

Demonstrate health impact and scale data visibility in 10,000 households

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# Key Takeaways

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- Don't take shortcuts
- Understanding and emphasizing the needs of women by combining sensor data & survey data
- One size doesn't fit all: Finding a basket of solutions

# Thank You!

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**Tara Ramanathan ◦ Program Director, Clean Energy**

**Contact us: [info@nexleaf.org](mailto:info@nexleaf.org)**

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