



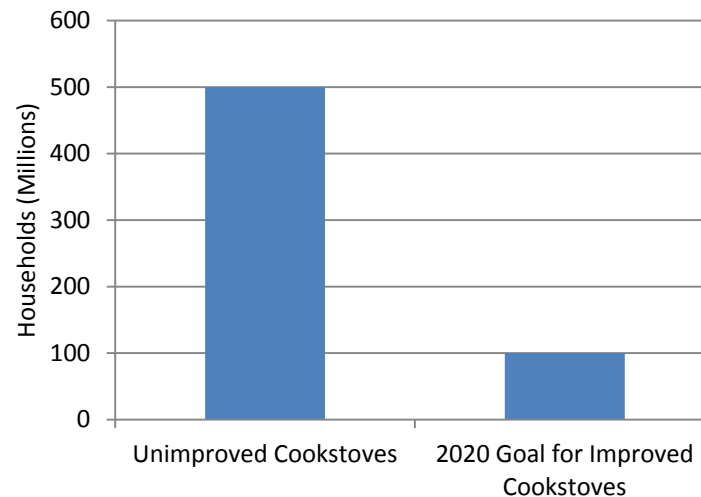
Measuring Progress During Phase 1

How can we contribute to the “100 Million by 2020” Goal?

Leslie Cordes

Current Landscape of Clean Cookstoves

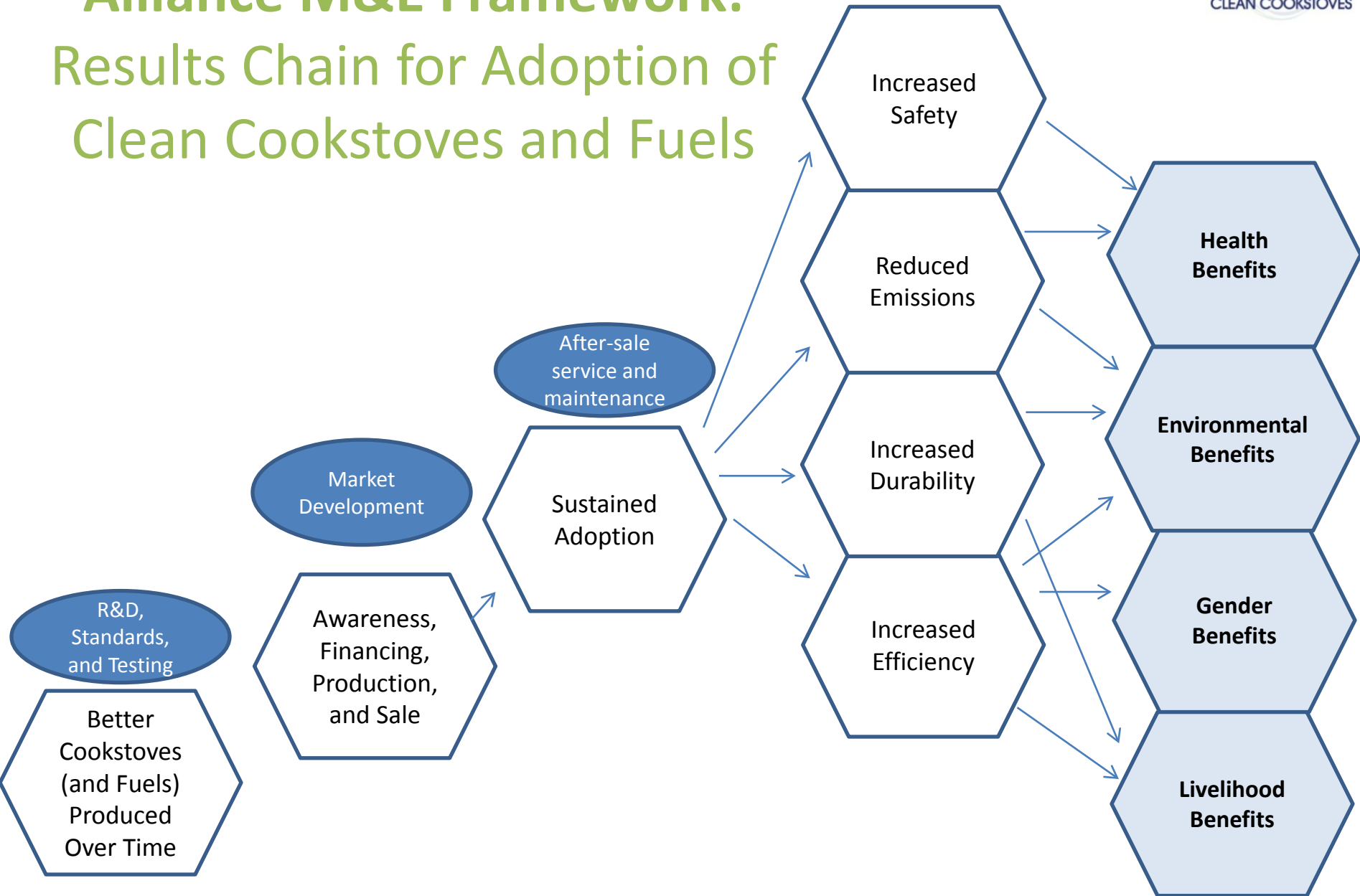
- Over 500 million households currently use unimproved cookstoves
- The Global Alliance of Clean Cookstoves Goal:
 - 100 million households adopt and use clean cooking stoves and fuels by 2020



Alliance Principles

- Focus on **high quality approaches** that can be brought to **scale**
- Be technology and fuel neutral – but **drive solutions and markets towards advanced options**
- **Build on** the ongoing work, knowledge, and **expertise of our partners** within the sector
- Bring **new partners and donors** to the table
- **Consumers at heart** of our efforts
- Foster a **market-based approach** to reach and sustain scale, while **ensuring vulnerable populations have access** to clean cookstoves and fuels
- **Metrics and evaluation a key component of our approach**

Alliance M&E Framework: Results Chain for Adoption of Clean Cookstoves and Fuels

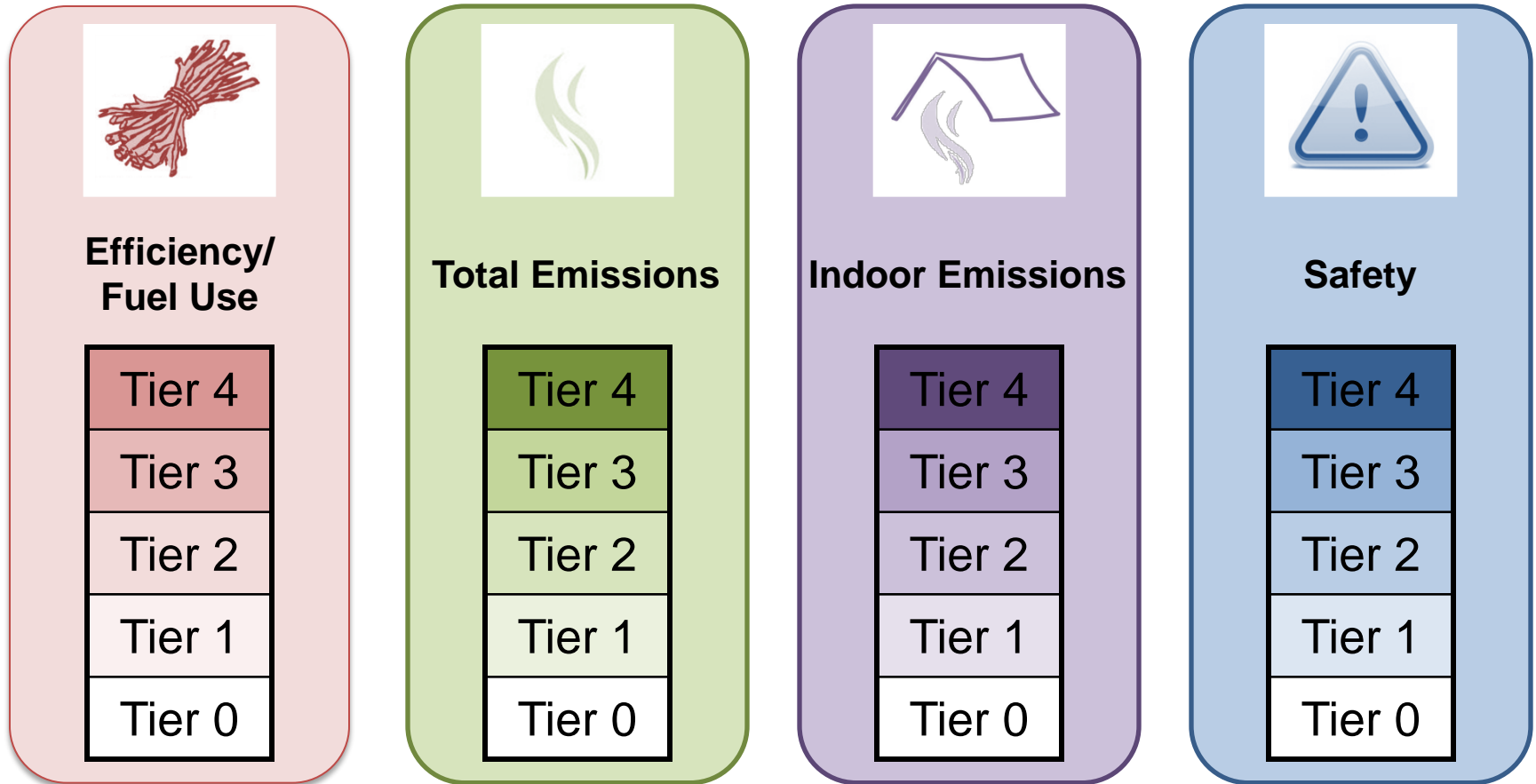


Milestones Towards Success

Sub-Area	Indicators	Target		
		Phase 1	Phase 2	Phase 3
Clean Cookstoves Sold, Adopted, and Used	<ul style="list-style-type: none"> • Sales by emissions, efficiency, and safety tiers • Extent of adoption and use • Field verification of use and performance 	15m	42m	100m
Lives Saved	<ul style="list-style-type: none"> • Reduced exposure, burns, and injury • Modelled deaths and DALYs • Impacts on severe pneumonia, adverse pregnancy outcomes, and markers of noncommunicable disease • Perceived benefits / reduced discomfort from smoke 	<ul style="list-style-type: none"> • ↓ exposure • modelled health impacts 	<ul style="list-style-type: none"> • ↓ exposure • modelled health impacts • 50% ↓ in burns and injuries 	<ul style="list-style-type: none"> • ↓ exposure • modelled health impacts • 50% ↓ in % of major cookstove-related illnesses • 75% ↓ in burns and injuries
Livelihoods Improved	<ul style="list-style-type: none"> • Increased employment / income generation across value chain • Increased wealth / assets • Increased education / training 	<ul style="list-style-type: none"> • Define baseline • Set targets for indicators 	TBD	
Women Empowered	<ul style="list-style-type: none"> • Reduced drudgery, i.e. time/ labor savings, reduced distance to fuel • Number of stove businesses who adhere to gender-informed best practices • Agency in decision making 	<ul style="list-style-type: none"> • Define baseline • Set targets for indicators 	TBD	
Combat Climate Change (Includes Environmental Impacts)	<ul style="list-style-type: none"> • Fuel savings • Forests saved 	<ul style="list-style-type: none"> • 30% ↓ fuel / stove 	<ul style="list-style-type: none"> • 30-60% ↓ fuel / stove 	<ul style="list-style-type: none"> • 60% ↓ fuel / stove • 3 – 6 M ha/forests
	<ul style="list-style-type: none"> • Emissions mitigated 	<ul style="list-style-type: none"> • 16 M tons CO₂e 	<ul style="list-style-type: none"> • 42 – 168 M tons CO₂e 	<ul style="list-style-type: none"> • 100 - 400 M tons CO₂e

ISO International Workshop Agreement (IWA)

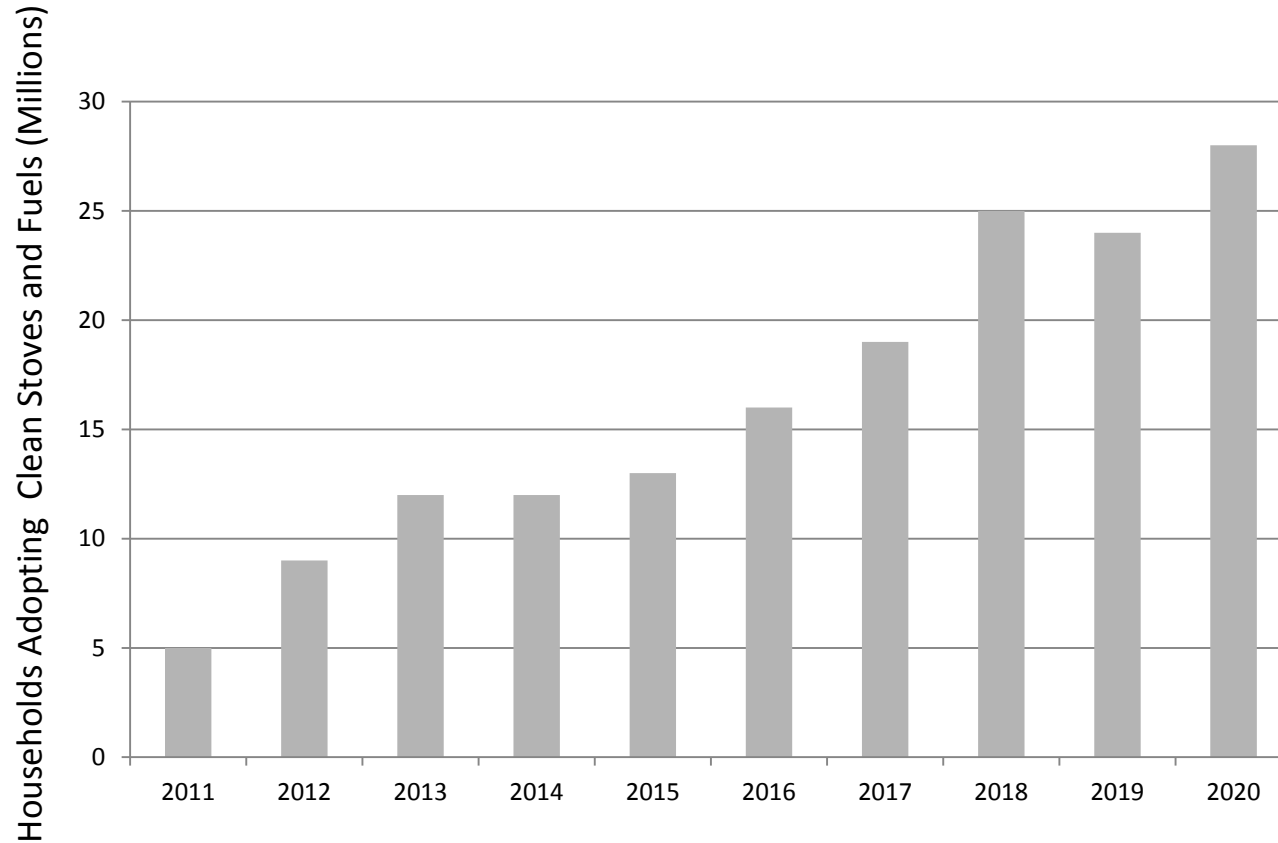
Universal Tiers for Stove Testing



**Water Boiling Test 4.1.2, now WBT 4.2.2
and additional protocols ...**

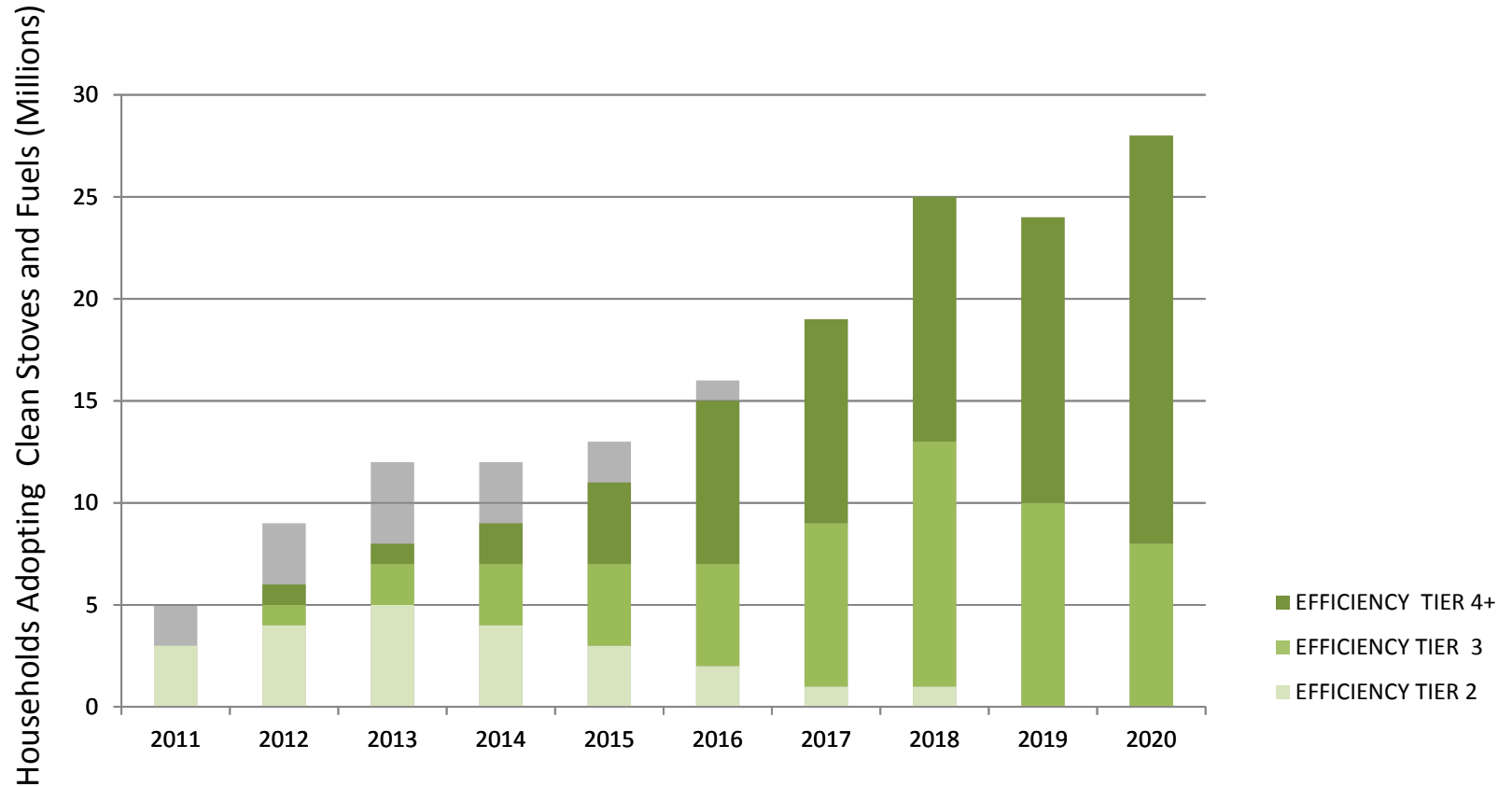
**Biomass Stove
Safety Protocol**

Monitoring Progress towards 100M – Track all households



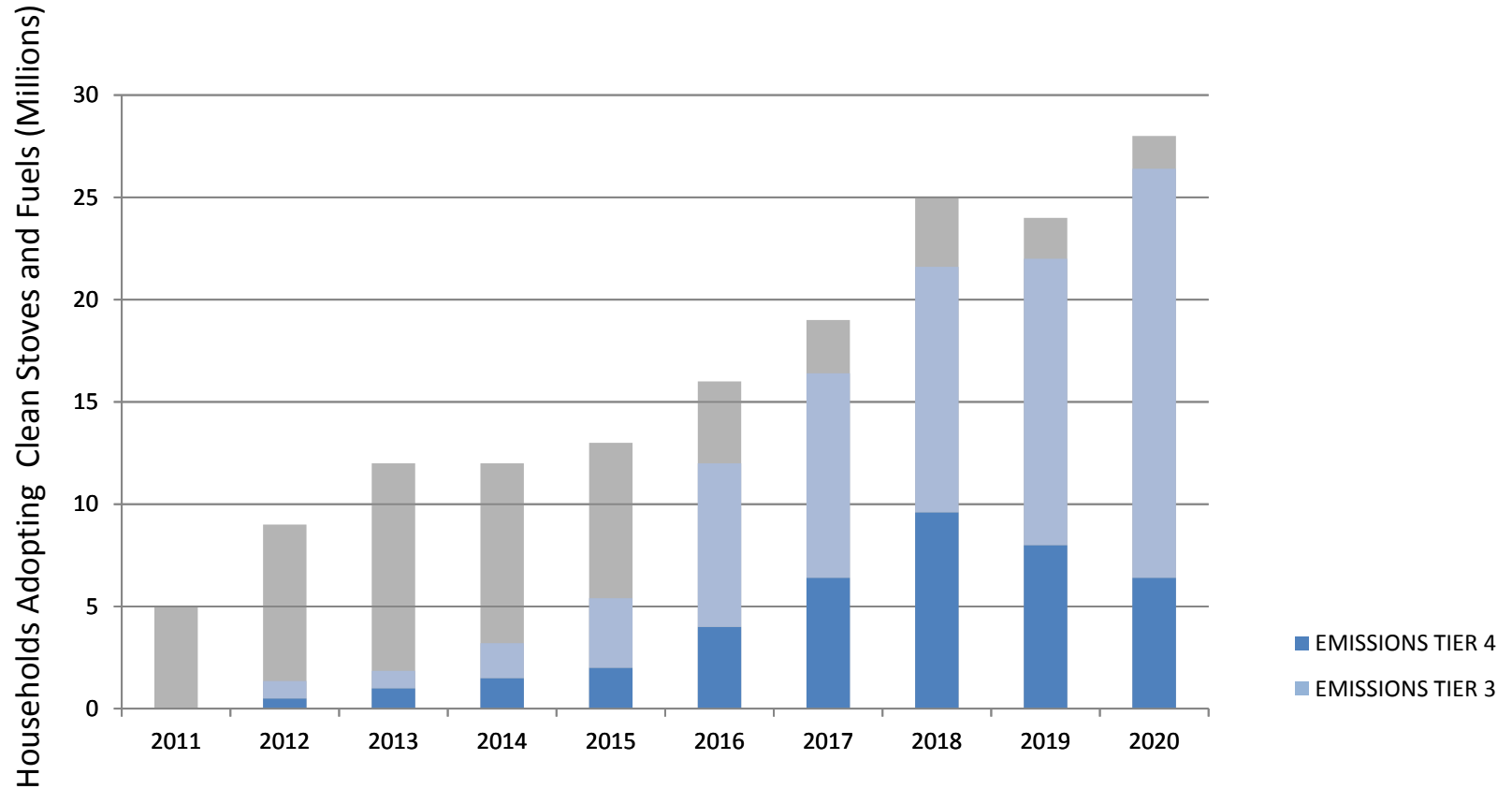
***Numbers are illustrative only**

Monitoring Progress towards 100M – Count Efficient Stoves/Fuels



***Numbers are illustrative only**

Monitoring Progress towards 100M – Count Clean Stoves/Fuels



***Numbers are illustrative only**

Alliance Framework for Annual Reporting During Phase I

- Track households adopting clean **and/or** efficient cookstoves and fuels across all tiers for efficiency and emissions
- Assess progress towards the 100 M ‘clean **and** efficient cookstoves and fuels’ target
- To be counted towards the target, sustainable adoption of cookstoves and fuels should be demonstrated
 - Appropriate measures of ‘sustainable adoption’ will be defined

Agreed to definitions now in place for “Clean” and “Efficient” Stoves and Fuels for Phase I.

- **Efficient**

- Stoves that meet the efficiency requirements for Tier 2 or above will be considered ‘efficient’
- Sets aspirational target while recognizing that all fuel saved is important
- Many technologies have progressed to Tier 2 or better

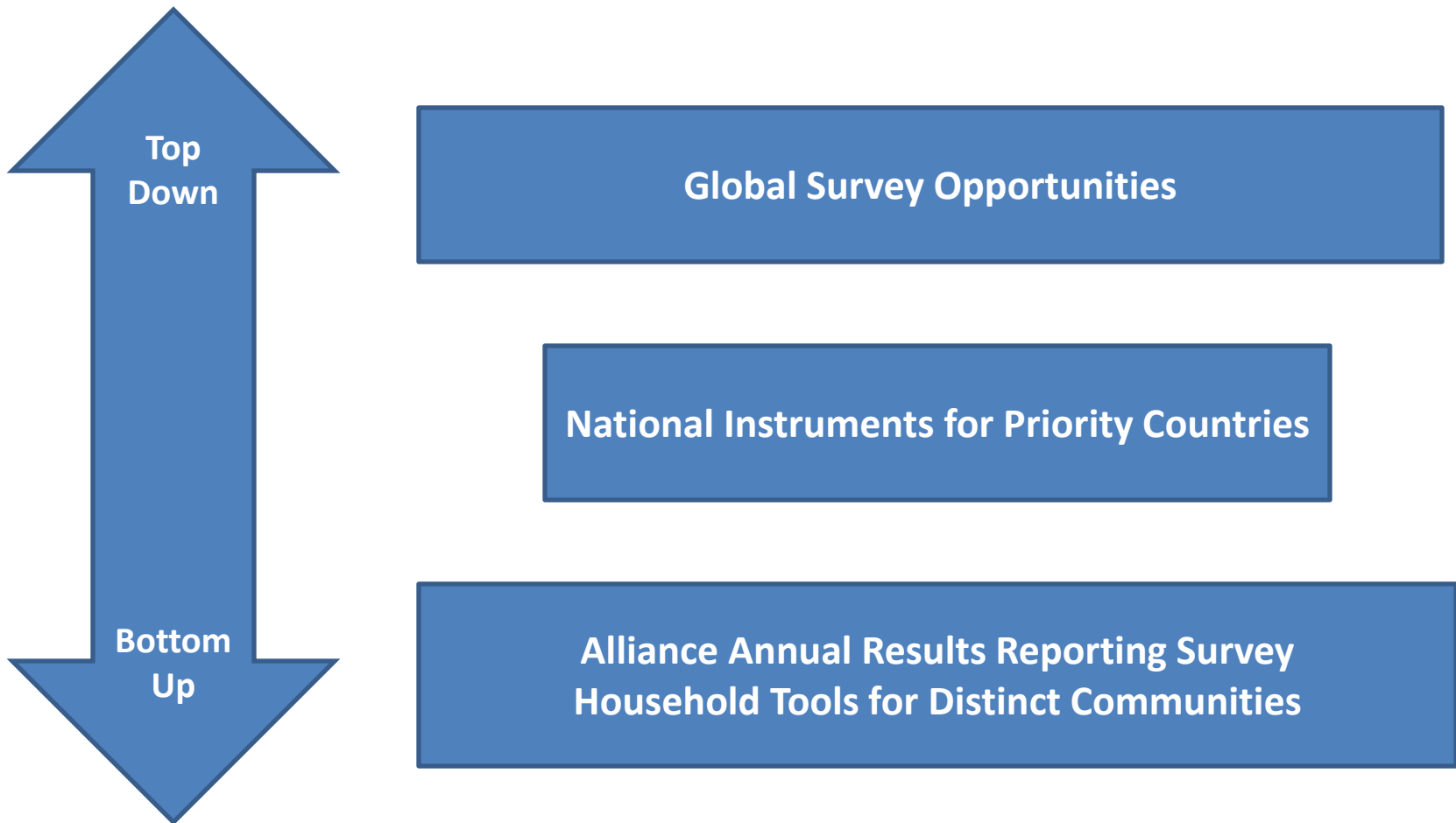
- **Clean for the environment**

- Stoves that meet the total emissions requirements for Tier 3 and above will be considered ‘clean for the environment’ and will count towards the 100M target

- **Clean for health**

- Stoves that meet the indoor emissions requirements for Tier 3 and above will be considered ‘clean for health’. Existing body of evidence suggests that to achieve powerful reductions in child pneumonia, clean stoves and fuels must have very low indoor emissions.
- The stoves that are considered clean will be updated based on future research updates.

Alliance M&E Approach & Tools



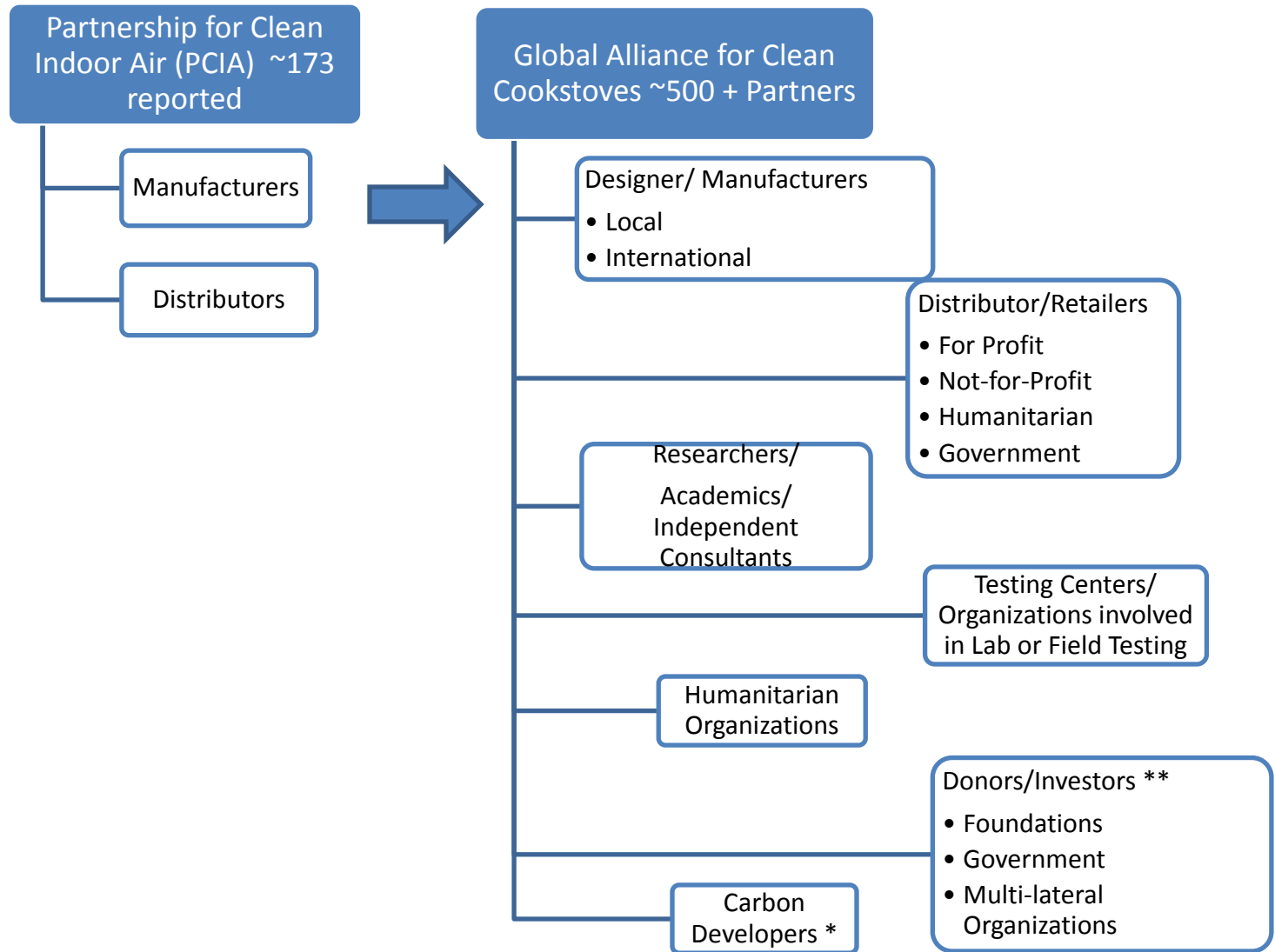
2012 Annual Results Reporting Survey

Expanding on the annual results reporting previously conducted by the US EPA Partnership for Clean Indoor Air (PCIA);

This survey is part of the Alliance's bottom-up approach. It will be used to measure global progress towards the adoption of cleaner, more efficient cooking technologies and fuels and :

- Recognize partner accomplishments
- Guide the future work of the Alliance (2012=baseline)
- Publicize the collective results of the improved cookstove and fuels sector
- Determine where additional investments need to be made

Results Reporting Survey Partners



* Assessed in collaboration with Ecosystem Marketplace

** Will be contacted separately

Specific questions for each partner type:

<p>Designer/Manufacturer/ Producer</p>	<p>Location assembly vs. manufacture Type of stove/fuel manufactured. Household vs. Institutional stoves. Fixed vs. portable, chimney vs. without chimney Primary material of stove. Cost of production vs. cost to end-user Third party testing</p>
<p>Distributor/Retailer</p>	<p>Type and numbers of stoves/fuels distributed linked to location How sold (direct door-to-door or indirect) Durability Women in the value chain Financing options for consumers Details about consumers (types, socioeconomic status, setting)</p>
<p>Testing Centers/ Organizations involved in Lab or Field Testing</p>	<p>Testing own stoves/fuels vs testing other organizations' stoves/fuels Stove/fuel details, tests, and indicators used Lab vs field testing Link to share results</p>
<p>Researcher/ Academic Institution/ Individual Consultant</p>	<p>Stove/Fuel types included in research Focus topic of research (gender, health, environment, etc) Timeline How and to whom results are disseminated</p>
<p>Humanitarian Organization</p>	<p>Beneficiary details and setting UNICEF SAFE Guidance used? Factors in selecting stove/fuel Stove/fuel details and amounts distributed Factors contributing to success/challenges</p>

M&E Challenges to Address

- Differentiate between Improved and Advanced clean cookstoves
- Distinguish between Distribution and Adoption
 - Account for stove stacking
- Account for delay between Activity and Impact
 - Span of a few years between taking action and obtaining measureable results
- Track activities of 700 partners
 - Goal of 1000 partners by September 2013
 - The Alliance needs a meaningful % of partners who report updates
 - 70 of 700 partners have responded to survey
 - Encouraging those not manufacturing to report
- Avoid double counting
 - The Alliance collects information from partners and presents a cumulative value
- Consistency in measurement with other tracking mechanisms

2012 Annual Results Reporting Survey

- Results will be shared at the Alliance anniversary in September 2013
- Survey is now open. Submit by July 15 via:
<http://results.cleancookstoves.org/>
- For more information email
results@cleancookstoves.org