The Household Energy Challenge
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• Overview – Klas Heising, GIZ
• Health – Nigel Bruce, World Health Organization
• Climate – Tami Bond, University of Illinois
• Safety – Richard Grinnell, HELPS International
• Gender – Sheila Oparaocho, ENERGIA
Responding to a Global Challenge

- More than 3 billion people burn solid fuels for home cooking and heating.

- The number of people using these fuels is expected to rise substantially by 2020.

- Almost 2 million people, mainly women and children, die prematurely each year from breathing elevated levels of indoor smoke.
Widespread Solid Fuel Use

Indoor Smoke: Breaking Down Respiratory Defences

Multiple Health and Broader Impacts of Household Energy

POVERTY
- Reduces ability to switch to cleaner fuels
- Inefficient use of polluting solid fuels restricts economic development

INCOME
- Simple fuels restrict opportunities
- Lack of time
- Poor lighting and home environment

HEALTH
- ARI, COPD, lung cancer (coal)
- TB, low birth weight
- Burns
- Poisoning (kerosene)

WOMEN
- Opportunity cost of lost time
- Injuries and assault during fuel collection
- Decision making

ENVIRONMENT
- Local: deforestation, erosion, desertification
- Global: black carbon and other greenhouse gas emissions

• What new information did you learn from these presentations?