

Homes-In-Profile
Household Observation of Pollutants
HIP-HOP-Air

An EHFC, Concordia and U of A collaborative study on Indoor air

2023-2024



What is ChEHC?

Children's Environmental Health "Clinic"

Clinical Arm

The ChEHC sees individual patients

The team educates community and health care providers

Research Arm

Collaborative research
Environmental Health focus

What is EHFC?



Charitable division of
CIPHI



Founded in 1989



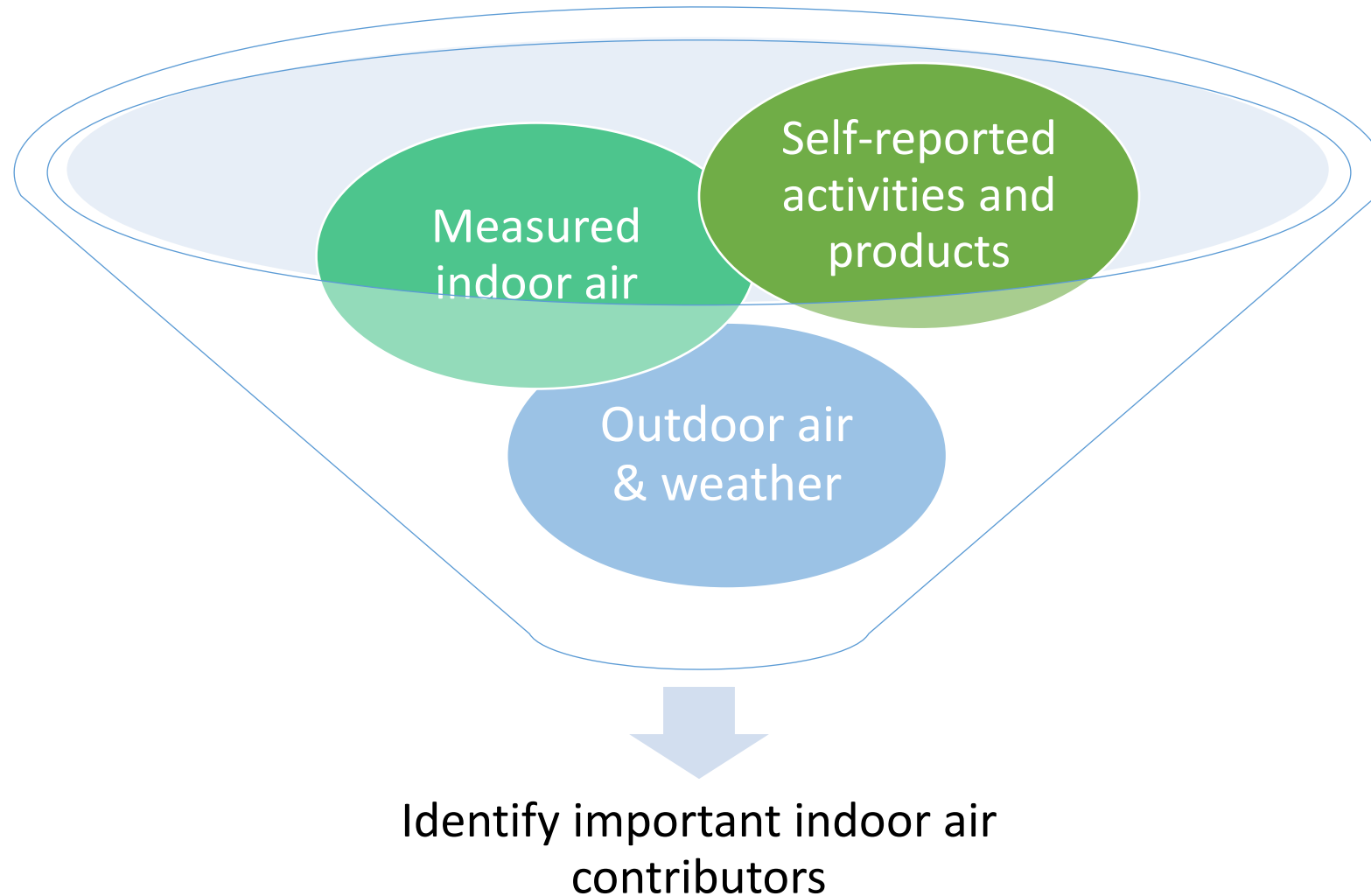
Volunteer board of
Trustees

Supporting Environmental Public Health Protection in Canada and internationally through the development of educational materials and aid projects with partner organizations

How this partnership came to be

- Each year EHFC chooses a domestic or international aid project to support.
- Up to \$5000.00 is available for aid projects depending on fundraising efforts
- The board approached ChEHC
- The board also wanted to involve students in this amazing opportunity

What is the HIP-HOP Air study?

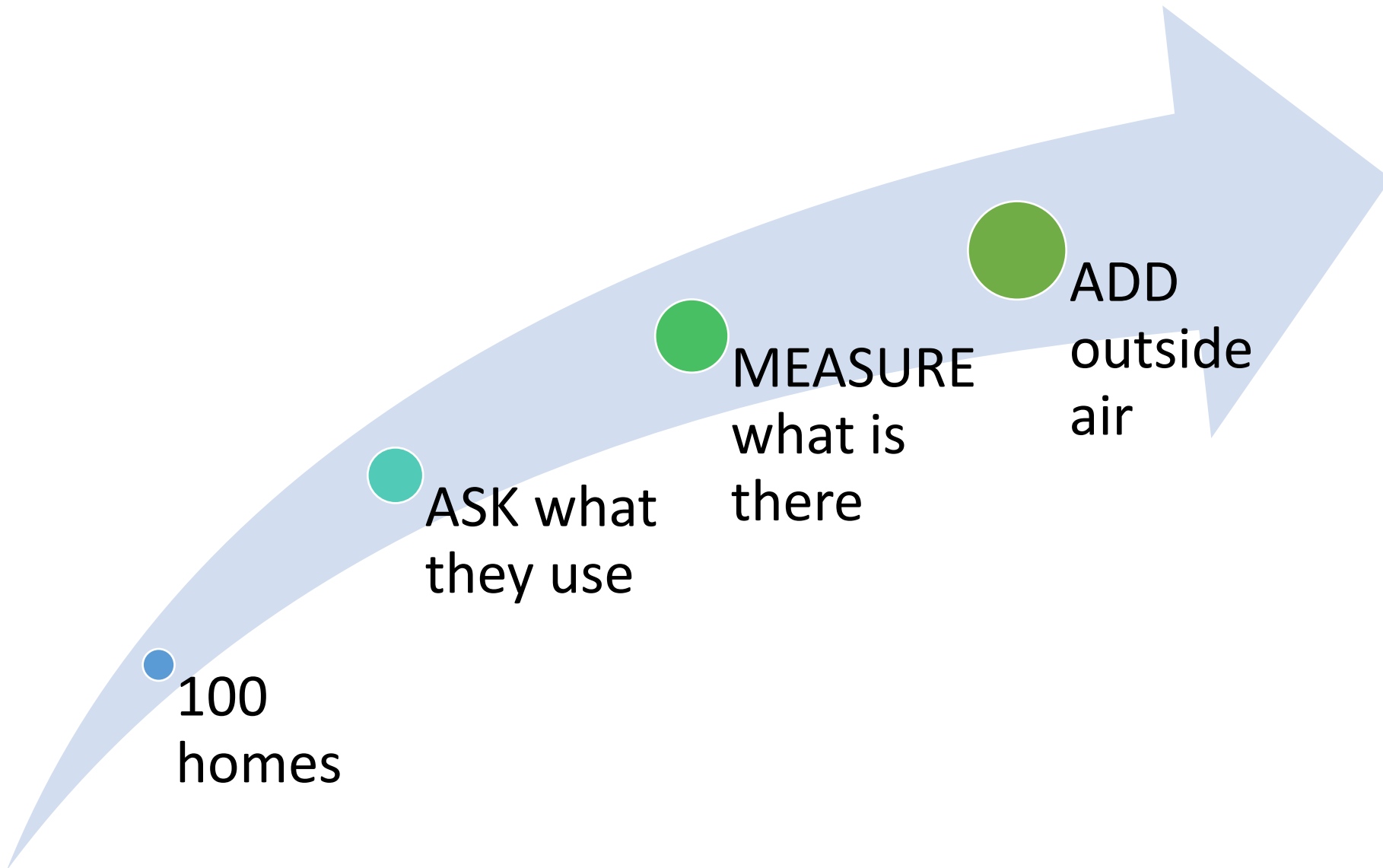


The HIP-HOP Air questions

Problems:

- Every home is different
 - >50,000 chemicals in products for home use
 - Cooking, cleaning, activities vary
- Nobody knows about:
 - What gets into the air?
 - Which chemicals are linked to health outcomes?

The HIP-HOP approach to answers



Project “deliverables”

- IDENTIFY chemicals commonly found in home air
- LINK them with self-reported products and activities
- Start a “LIBRARY” of these chemicals for future research

Why 100 homes? Why you?



- An American Thoracic Society team identified that little is known about indoor chemicals or use patterns

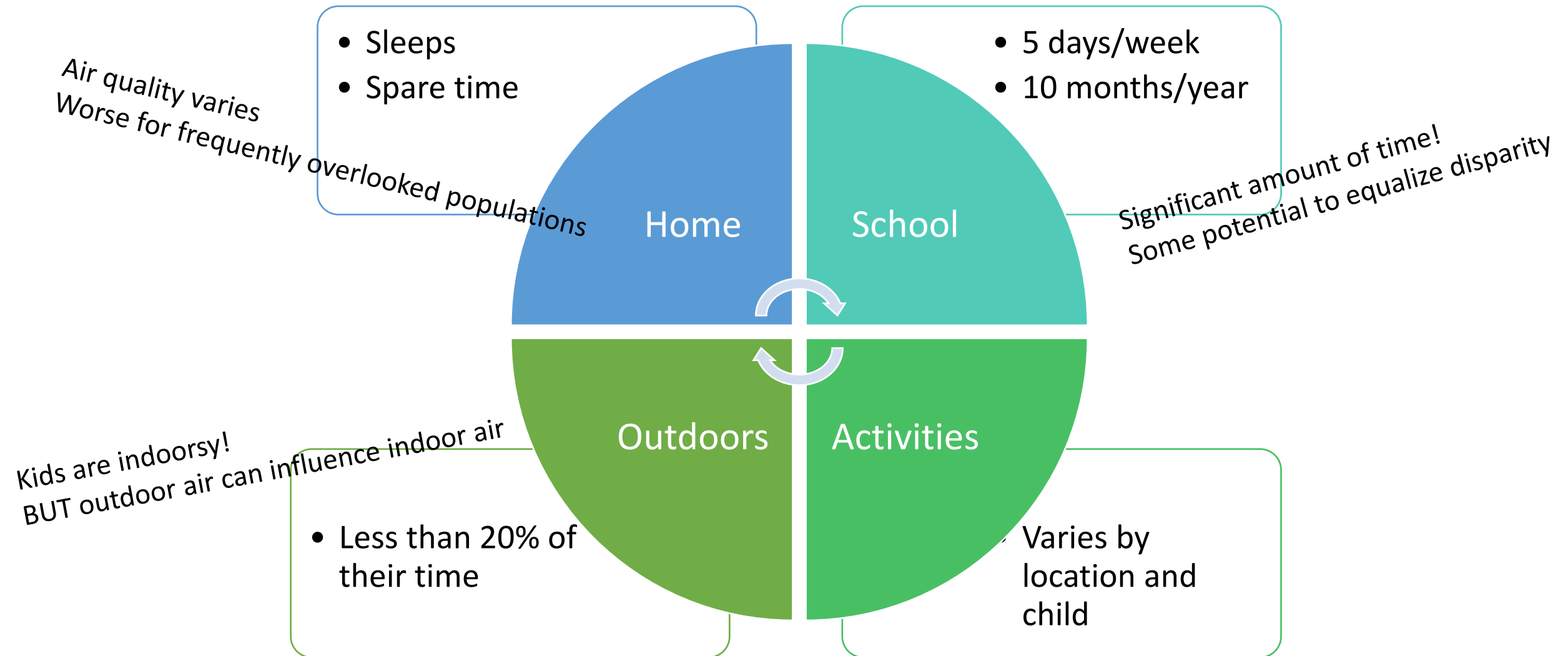


- A 100-home pilot study would be enough to get a baseline understanding

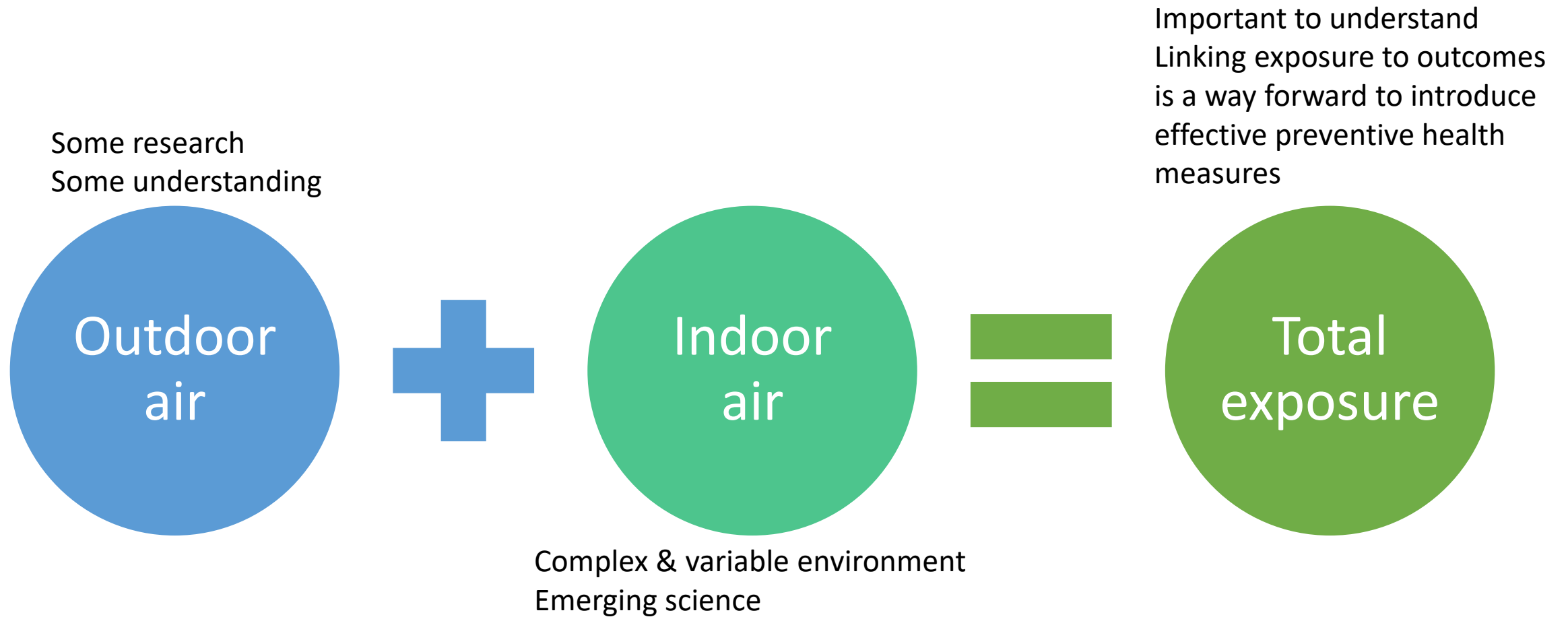


- Public Health Inspectors critically observe homes!

Why is indoor air quality important?

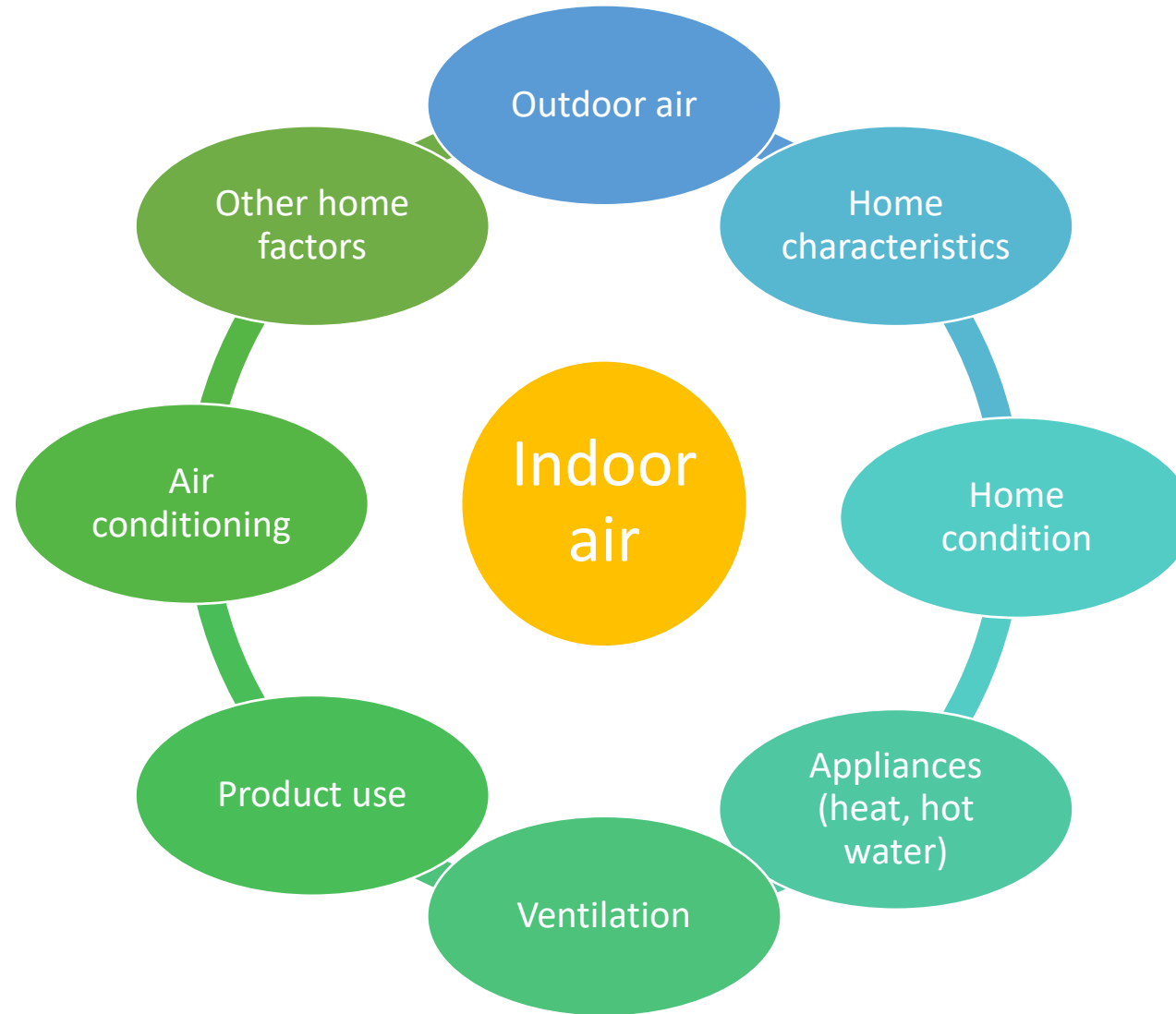


What is the knowledge gap?



Why are we asking you for help?

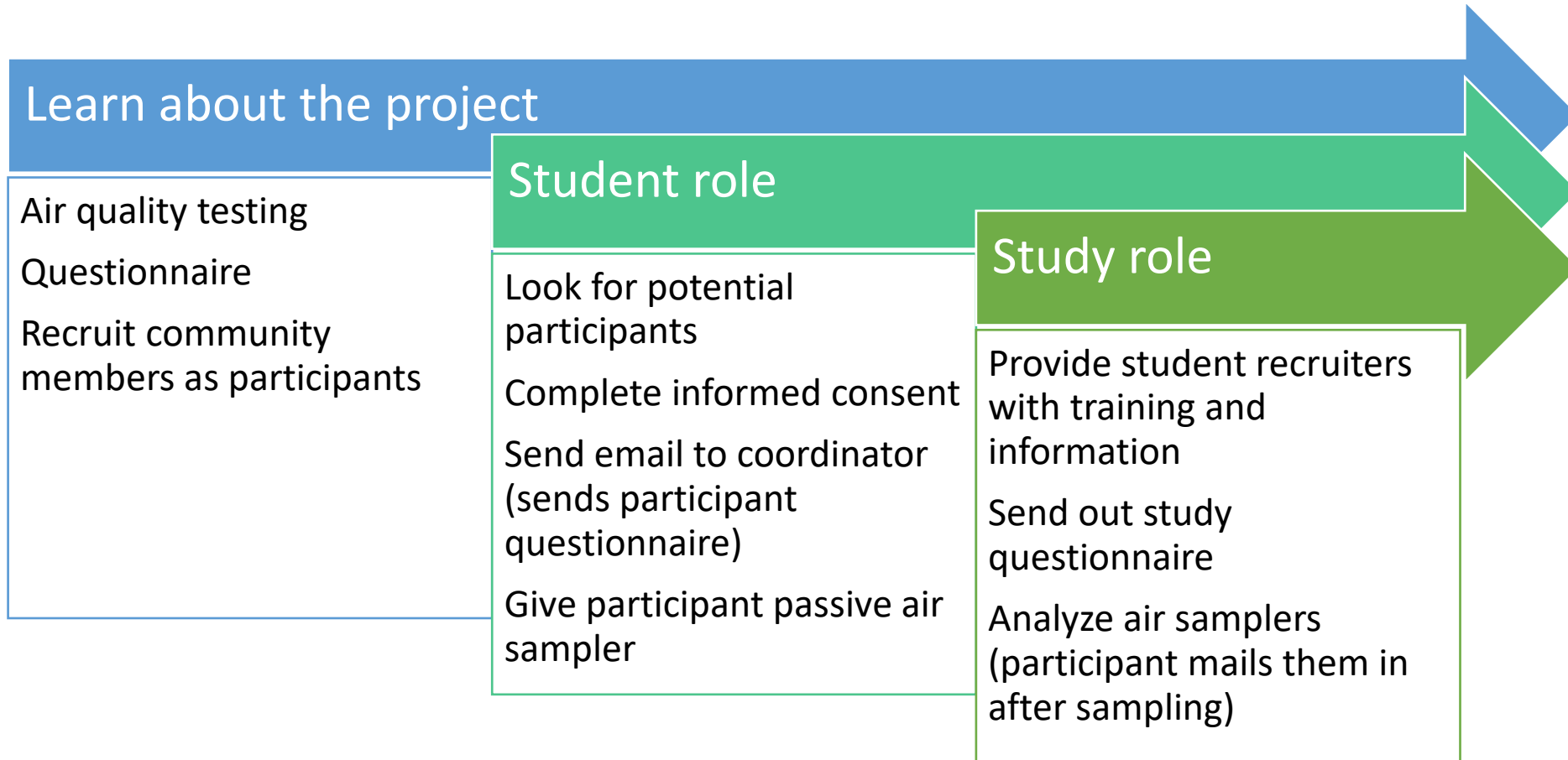
Who can see?



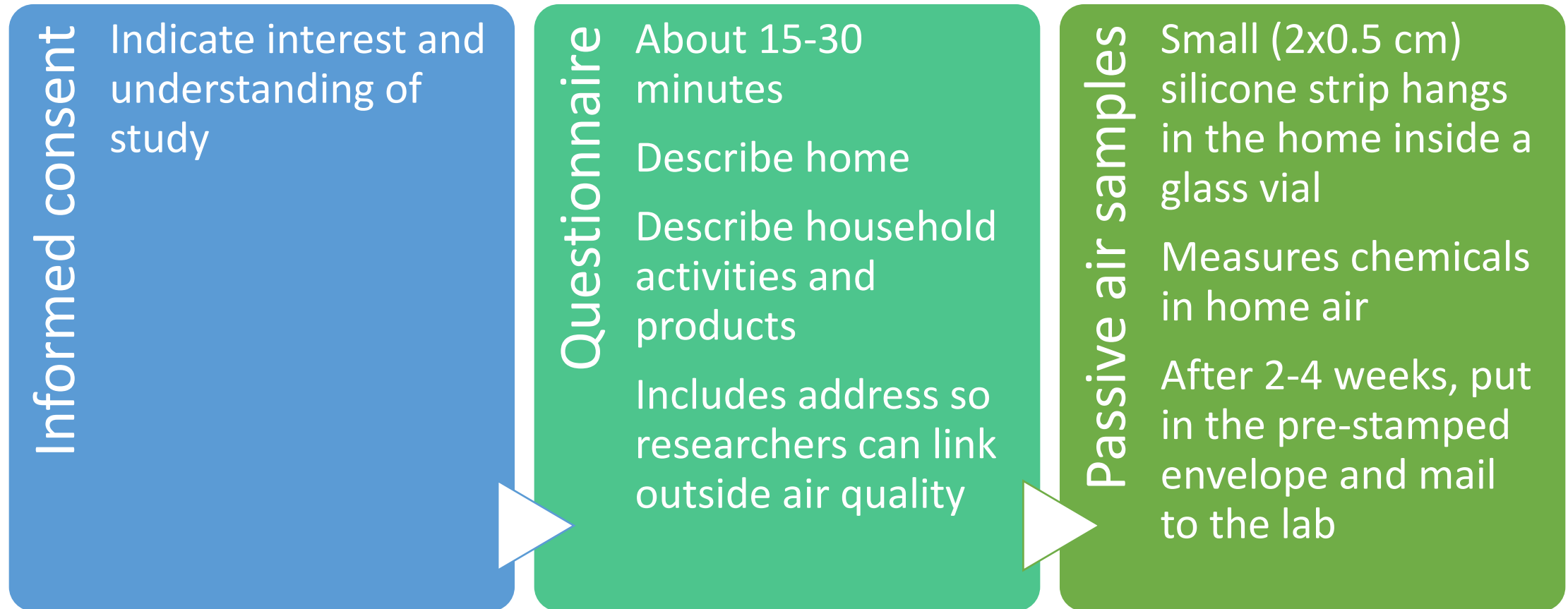
Home inspectors!



What would we ask you to do?



How we would describe the study to a participant



Other activities



Students

Answer for fun, not
for real

Not used in the study

Feedback to
study
coordinators

Team can update the
questionnaire based
on feedback

Thanks for considering!



We value your participation



We hope that this is a
useful learning activity



We will be back with your
team for:

Training

Sharing outcomes

For a later visit

- Training videos
 - Informed consent
 - Practice on a neighbor during the session
 - Participant package
 - This is how we do it!
 - Deploying the passive sampler
 - Share a video
 - Returning the sampler to the chemistry lab

