

# Monitoring Home Indoor/Outdoor Temperature and Humidity

## **What are the goals of this monitoring initiative?**

- Provide participants with ability to monitor their local environment to help determine their comfort zone in their home
- Provide information about how temperature in people's homes differ from outdoor temperature

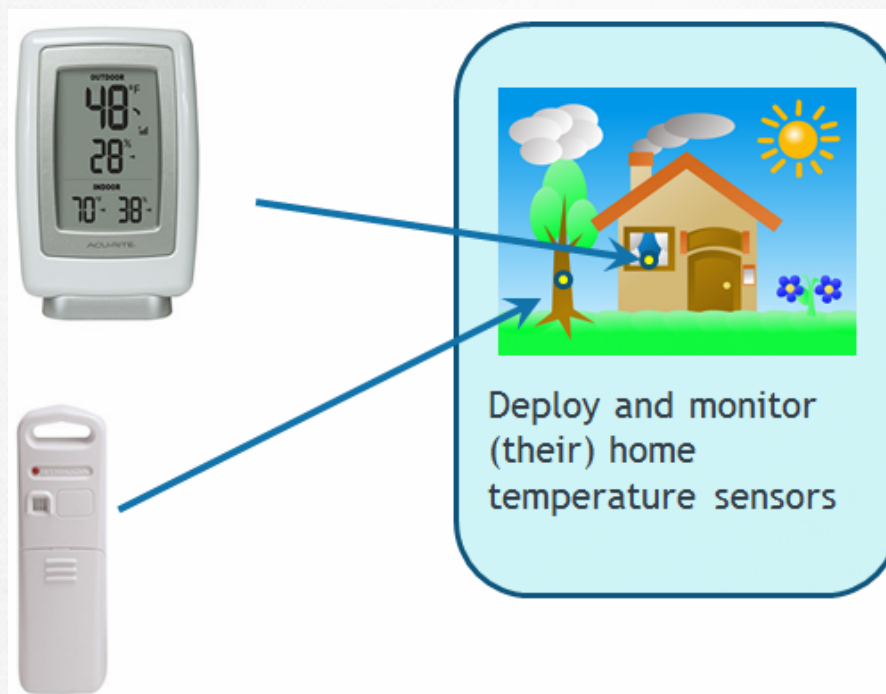
# Home indoor/outdoor temperature and humidity sensors

**Who will be involved in this monitoring effort?**

Community participants

**What is the timeline for monitoring?**

Temperature sensors deployed from start of campaign (~May 22<sup>nd</sup> in case of Long Beach pilot program) for 6 weeks



# Home indoor/outdoor temperature and humidity sensors

## Where will the sensors be deployed?

- Main sensor in your kitchen (away from heat or cold) (or some other common living area) at ~ 4 ft above ground
- Remote sensor on trees adjacent to iButton
- GPS locations of the sensors need to be entered into community sensor spreadsheet

# Home indoor/outdoor temperature and humidity sensors

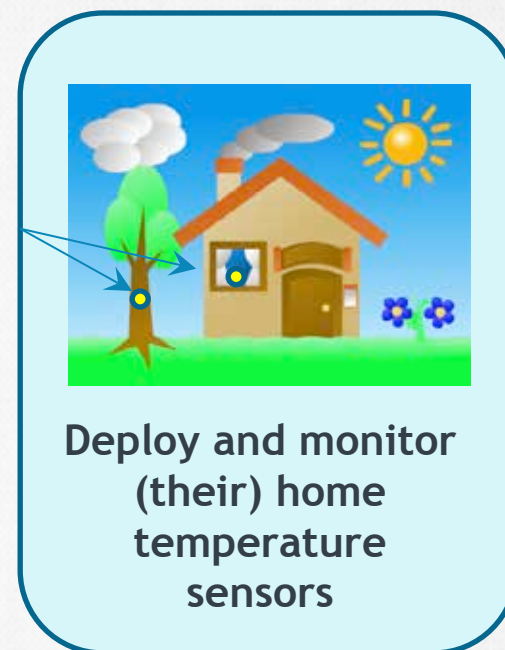
## How should the data to be collected?

1. Temperature and humidity written down by you (the participant) into journal or directly into shared project Google doc (ask project coordinator about this).
2. Your personal comfort and sensation should also be logged for each reading

## How often should the data be collected?

1. Ideally each morning and evening at a constant time (~ 7 am and ~7 pm)
2. Additionally any other times it is of interest to you (middle of the day or night, when you are hot or cold)

Data will be shared at end of program and compared to iButton data



# Home indoor/outdoor temperature and humidity sensors

Describing personal comfort and sensation:

**Thermal Sensation**

Very Cold	Cold	Cool	Slightly Cool	Neutral	Slightly Warm	Warm	Hot	Very Hot
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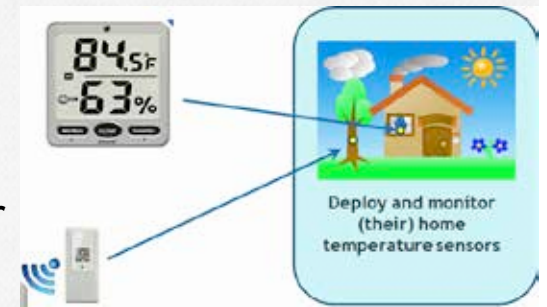
**Thermal Comfort**

Very Uncomfortable	Uncomfortable	Just Uncomfortable	Just Comfortable	Comfortable	Very Comfortable
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Involve the whole family! Add responses by others (code by initials) – if you want to

## How can you maintain a journal about your sensor?

1. Update in journal both indoor (e.g. kitchen) and outdoor temperature and humidity
  - In morning (early good), mid day (when possible) and evening (late good) preferably at same time each day (e.g. 7 am, 12 am and 8 pm)
  - Update other times as desired
2. Add noteworthy comments with a date and time such as
  - Activity around the sensor (by animals, people, etc.)
  - Unusual human activity that might influence local temperature - truck parked with engine one, fire/bbq on, sprinkler, etc.
  - Anything other you think might be of importance
3. Upload
  - To shared spreadsheet



**For any questions or doubts related to this training module email**

Mark Chandler  
Director of Research Initiatives  
[urbanresiliency@earthwatch.org](mailto:urbanresiliency@earthwatch.org)