

EMERGE Gender Questions— Gender and the Environment

Climate issues such as extreme heat, fires, flooding or drought, and cyclones are becoming more of a concern, as are other environmental issues such as pollution and loss of biodiversity (loss of certain plants and animals in our environment). In this section, we want to ask you if you have these concerns in your community.

Exposure to Climate Changes and Other Environmental Concerns

1. How worried are you about climate change and other environmental concerns such as pollution and loss of biodiversity?
 - a. Very worried
 - b. Somewhat worried
 - c. Not very worried
 - d. Not at all worried

Source: Questions for this survey were made by EMERGE

2. In the table provided below indicate climate changes that you have experienced in your community in the past 5 years

Climate changes	Change experienced
Heatwaves, multiple days in a row of very high heat	No change – 1
Wildfires	Mild change – 2
Extreme cold or blizzards	Moderate change – 3
Drought	Severe change – 4
Floods	Very severe change – 5
Cyclones/hurricanes, tornadoes/twisters, or other windstorms	
Earthquakes and volcanic activity	
Air pollution	
Water pollution	
Change in birds/animals usually seen	
Groundwater access is harder	
Shortened period of growing crops	
Climate-related crop infestation or damage	
Climate-related human disease	
Climate-related livestock disease	

Source: Adapted from Cherotich, V. K., Saidu, O. S. E. N. I., & Bebe, B. O. (2012). Access to climate change information and support services by the vulnerable groups in semi-arid Kenya for adaptive capacity development. *African Crop Science Journal*, 20, 169-180.

3. As a result of any of these concerns, did you (personally) experience any of the following consequences in the past 5 years? *(For those who responded 2-5 in Question 1)*
 - a. Injury
 - b. Illness
 - c. Death of a household member
 - d. Injury/illness of a household member
 - e. Family violence occurred (for example, abuse of wife or children)
 - f. Household member is missing
 - g. Dwelling is damaged
 - h. Dwelling is destroyed
 - i. Personal income decreased (question refers to individual, not overall household income)
 - j. Crops that I grow were damaged or destroyed
 - k. Livestock that I raised was lost or contracted serious illness
 - l. Productive assets I personally own or use (land, industrial assets, machinery, productive services, etc.) were damaged or destroyed

- m. Children's school was cancelled or reduced
- n. Migrated to different geographical area
- o. Obtained or applied for refugee status
- p. Experienced another form of forced displacement (including pre-emptive evacuation)
- q. Drinking water source was damaged/compromised
- r. Water shortages affected my household's water use
- s. Time spent on water collection increased
- t. Time spent of child care increased (including physical care, teaching, playing)
- u. Time spent caring for adult family members increased (including administrative support, physical care, psychological support)
- v. Time spent on any domestic work activities increased (services provided for the household, including cleaning, cooking, shopping for the household, repairs, décor, pet care, livestock care)
- w. Had to switch to unclean cooking/heating/lighting fuel for more than two weeks (e.g. any fuel apart from electricity, LPG, natural gas and biogas)
- x. Time spent on fuel and firewood collection increased
- y. Lost job
- z. Had to switch to unimproved form of sanitation (Pit latrine without slab, bucket, hanging toilet or bushfield)
- aa. Had to start sharing sanitation facilities with other households
- bb. Found difficulties accessing hygiene products
- cc. Experienced longer wait times to visit doctor to seek medical care
- dd. Was unable to seek necessary medical care
- ee. Was unable to seek necessary medical care for family
- ff. Mental health was affected (experienced stress, anxiety)
- gg. Crime increased in the area where I live or work
- hh. Someone I know has been a victim of violence
- ii. I got my son/daughter married earlier than I would have liked to
- jj. Someone I know married off their son/daughter earlier than expected
- kk. Own vehicle was damaged
- ll. Lost access to/could not use public transportation

Note: researchers are advised to adapt and/or group the response options to their research context.

Response Options: Yes/No

Source: Adapted from - UN Women (2020). Model questionnaire: Measuring the nexus between gender and environment.
<https://data.unwomen.org/publications/model-questionnaire-measuring-nexus-between-gender-and-environment>

Beliefs regarding Gender Differences in Knowledge and Concern about Climate Change and Environment

1. How much do you believe that "on the whole, women understand climate change and environmental crises more than men do?"
2. How much do you believe that "on the whole, men understand climate change and environmental crises more than women do?"
3. How much do you believe that "on the whole, women are more concerned about issues of climate change and environmental crises than men are?"
4. How much do you believe that "on the whole, men are more concerned about issues of climate change and environmental crises than women are?"
5. How much do you believe that "on the whole, women make better leaders on issues of climate change and environmental crises than men do?"
6. How much do you believe that "on the whole, men make better leaders on issues of climate change and environmental crises than women do?"

Response Options: a) highly agree
 b) somewhat agree
 c) neither agree or disagree

- d) somewhat disagree
- e) highly disagree

Source: Questions made for this survey by EMERGE

Participation in Environmental Crisis/Climate Change Groups in One's Community

1. Are you a member of any formal or informal group that deals with water, forests, agriculture, land, other environmental or climate change-related issues in your community?
 - a. Yes – formal group
 - b. Yes – informal group
 - c. No
 - d. Don't know

If Yes, continue on to next questions. If No, terminate here.

Now I would like to ask you about participating in these formal/informal group meetings.

2. How often are these meetings held?
 - a. Weekly
 - b. Monthly or bi-monthly
 - c. 2-4 times a year
 - d. Once a year
 - e. Other (*mention*)
3. How often to you attend these meetings?
 - a. Every time
 - b. Occasionally
 - c. Rarely
 - d. Never
4. How often do you speak at these meetings?
 - a. Every time
 - b. Occasionally
 - c. Rarely
 - d. Never
5. How sure are you that you could express your opinion at a community meeting?
 - a. Completely sure
 - b. Somewhat sure
 - c. Neither sure nor unsure
 - d. Somewhat unsure
 - e. Not at all
6. How sure are you that you could express your opinion at a community meeting if some people did not agree with that opinion?
 - a. Completely sure
 - b. Somewhat sure
 - c. Neither sure nor unsure
 - d. Somewhat unsure
 - e. Not at all
7. How sure are you that you could express your opinion at a community meeting if most people did not agree with that opinion?
 - a. Completely sure
 - b. Somewhat sure
 - c. Neither sure nor unsure
 - d. Somewhat unsure
 - e. Not at all

Source: Adapted from - CARE USA. (2014). Women's Empowerment – Multidimensional Evaluation of Agency, Social Capital & Relations (WE-MEASR): A tool to measure women's empowerment in sexual, reproductive and maternal health programs. Atlanta, GA; and made for this survey by EMERGE