

\*To explore the motivation of volunteers and implication for Citizen Science projects. a questionnaire was conducted among the hail collection volunteers with 28 responses were received. The original language of the questionnaire is Chinese, and the following is the translated version with responses indicated in brackets.

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## Hail Sample Collection Questionnaire

We sincerely thank you for your previous help in collecting hail samples.

If possible, we would like to conduct a brief anonymous follow-up survey with you (5 minutes). The information collected will be used solely for social science research to help us improve hail collection efforts. Your personal information will not be shared through any channels in any form. You may skip any question.

Your feedback will help us understand volunteer participation, improve similar projects in the future, and advance citizen science research.

We greatly appreciate your assistance.

1. In which year did you help collect hail samples? (If you don't remember, please skip this question.)

*2016 (28), 2020 (5), 2022 (1), 2023 (3)*

2. What was your age range at the time of participating in the project?

- 0-18 years old (0)
- 19-30 years old (11)
- 31-45 years old (9)
- Above 46 years old (8)

3. What is your gender?

- Male (17)
- Female (11)

4. What was your highest level of education at the time of participating in the project?

- Middle school or below (4)
- High school or junior college (1)
- Undergraduate (10)
- Master's degree (8)
- Doctorate (5)

5. How did you participate in the hail collection project?

- Participated in a single collection (22)
- Participated in multiple collections (2)

- Organized others to collect together (7)
6. Before participating in the project, how familiar were you with severe convective weather and hail?
- Not familiar at all (6)
  - Some basic knowledge from news and science communication (11)
  - Fairly knowledgeable, though not my profession (6)
  - Part of my professional field (5)
7. How did you learn about our hail collection project?
- Through the WeChat public account ("Hail Research Group") (6)
  - Saw someone else share it on social media (8)
  - Forwarded or organized by a public institution (e.g., Meteorological Bureau, local government, etc.) (1)
  - Know a member of the hail collection project (16)
  - Other (please specify) (know from friend/family of friend 3)
8. Which statement best describes the impact of hail on your life?
- No impact (9)
  - Occasionally impacted, causing minor losses (8)
  - Impacted two or three times, causing some losses (7)
  - Significant impact, causing major losses (4)
9. What was your reason for helping to collect hail samples? (Multiple choices allowed)
- Understanding that hail sample collection benefits scientific research and wanting to contribute (22)
  - Having suffered from hail damage and wanting to contribute to improving hail forecasting (8)
  - Knowing someone involved in the project and wanting to help them conduct their research (13)
  - Requested by others or institutions (7)
  - To receive a gift (3)
  - Other (please specify) (0)
10. Did you find the collection methods clear and easy to understand?
- Not very clear (0)
  - Somewhat clear (11)
  - Very clear and easy to operate (17)
11. After helping collect hail, do you pay more attention to hail and severe convective weather compared to before?
- No difference (5)
  - Pay more attention to hail and severe convective weather (15)
  - Pay more attention not only to hail and severe convective weather but also to

various weather events (18)

12. After participating in the hail collection project, did you gain a better understanding of hail and severe convective weather?

- No difference (3)
- Gained a basic understanding (16)
- Gained a lot of understanding (9)

13. Researchers have made some scientific progress and conclusions based on the samples collected by you and other volunteers. Would you like to be informed about these?

- Indifferent or not necessary (2)
- Would like occasional feedback (16)
- Would like regular updates (10)

14. Would you be willing to participate in similar projects in the future?

- Unwilling (0)
- Somewhat willing but uncertain (3)
- Willing (15)
- Very willing (10)

15. Do you have any additional feedback for us?

("We are very willing to cooperate"; "May your collection efforts be helpful to farmers and the country"; "Continue to constantly improve the research")

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The original source of the questionnaire: <https://www.wjx.cn/vm/mBkHOcl.aspx#>

For more information or questions: [liliye@cma.gov.cn](mailto:liliye@cma.gov.cn); [lli@wmo.int](mailto:lli@wmo.int)