

This WMO Public Weather Services (PWS) Focal Point Survey is a short survey, targeted at the National Meteorological and Hydrological Services (NMHS) PWS Focal Points, and your participation is highly valued.

The main responsibility of NMHSs is to ensure the safety of life, the protection of property and the well-being of the public they serve. PWS delivery depends on efficient and effective communication with users. Recent rapid development in communications technology provide NMHSs with numerous and diverse communication options.

The purpose of this survey is to ascertain the status on how NMHSs use media for delivering public weather services and gathering feedback, so that WMO, through the secretariat and regional association subsidiary bodies, can assist NMHSs in using new communications channels. For this to be a success, your input is essential.

Thank you for your participation.

*** 1. From the drop-down list below, please select the WMO Member on whose behalf you are completing this survey**

*** 2. Does your National Meteorological or Hydrological Service (NMS) operate official website(s)?**

- Yes (please answer the next question)
- No (please skip the next question)

3. If yes, what information is provided on the official website(s)?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public education material	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 4. Do other websites, independent of your NMS, display information produced by you?**

- Yes (please answer the next question)
- No (please skip the next question)

5. If yes, what information do they display on their websites?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public education material	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***6. Does your NMS broadcast on a YouTube (or similar) channel(s)?**

- Yes (please answer the next question)
- No (please skip the next question)

7. If yes, what information is provided on the YouTube (or similar) channel(s)?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Weather/climate related news stories	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public education material	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***8. Does your NMS post to its own Facebook (or similar) page(s)?**

- Yes (please answer the next question)
- No (please skip the next question)

9. If yes, what information is provided on the Facebook (or similar) page(s)?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public education material	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***10. Does your NMS tweet on a Twitter (or similar) page(s)?**

- Yes (please answer the next question)
- No (please skip the next question)

11. If yes, what information is provided on the Twitter (or similar) page(s)?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***12. Does your NMS operate its own weather radio station(s)?**

- Yes (please answer the next question)
- No (please skip the next question)

13. If yes, what information is provided on the weather radio station(s)?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public education material	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***14. Does your NMS provide information to an independent radio station(s)?**

- Yes (please answer the next question)
- No (please skip the next question)

15. If yes, what information is provided to the independent radio station(s)?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public education material	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***16. Does your NMS operate a television weather channel(s)?**

- Yes (please answer the next question)
- No (please skip the next question)

17. If yes, what information is provided on the television weather channel(s)?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public education material	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***18. Does your NMS provide ready-to-air TV weather presentations to independent television channels to broadcast the presentation?**

- Yes (please answer the next question)
- No (please skip the next question)

19. If yes, what information is provided to the independent television channels?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Weather warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***20. Does your NMS provide weather graphics for use in weather presentation by presenters at independent television channels that broadcast the information?**

- Yes (please answer the next question)
- No (please skip the next question)

21. If yes, what information is provided to the independent television channels?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand, dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***22. Does your NMS provide weather forecasts and/or weather observational data to independent television channels for presentation?**

- Yes (please answer the next question)
- No (please skip the next question)

23. If yes, what information is provided to the independent television channels?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand, dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***24. Does your NMS have a TV weather studio?**

- Yes (please answer the next question)
- No (please skip the next question)

25. If yes, how would you rate the performance of the TV weather studio of your NMS?

	Always	Frequently	Sometimes	Never
The studio is well equipped and functional	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Presenters are performing well	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Comment

***26. Does your NMS provide a pre-recorded telephone forecast service?**

- Yes (please answer the next question)
- No (please skip the next question)

27. If yes, what information is provided on the telephone forecast service?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***28. Does your NMS operate a call centre?**

- Yes (please answer the next question)
- No (please skip the next question)

29. If yes, what information is provided through the call centre?

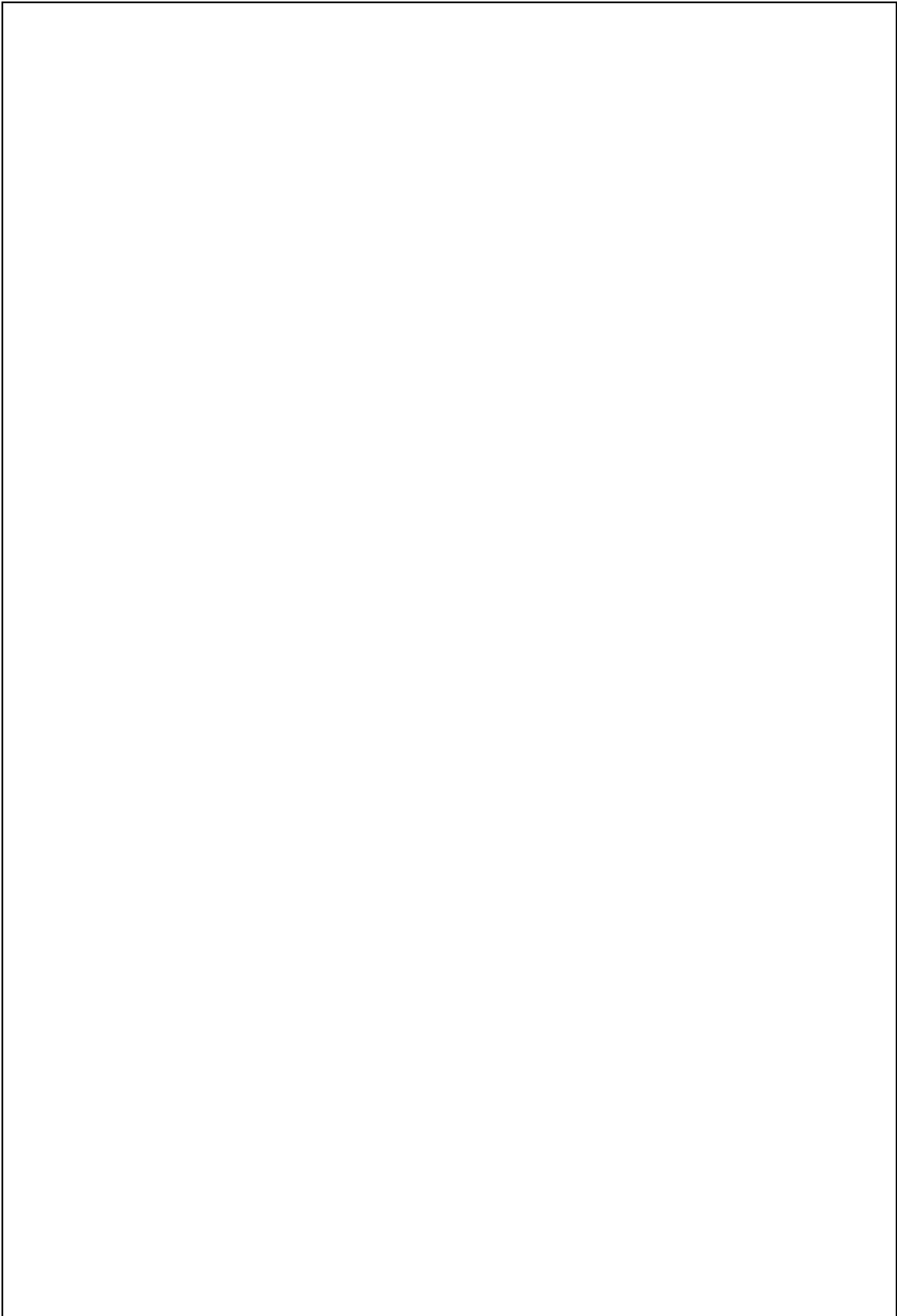
	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***30. Does your NMS take direct calls from users?**

- Yes (please answer the next question)
- No (please skip the next question)

31. If yes, what information is provided through the direct calls?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



*** 32. Does your NMS provide automated distribution of e-mail to a large group of users?**

- Yes (please answer the next question)
- No (please skip the next question)

33. If yes, what information is provided in the e-mail?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 34. Does your NMS provide direct e-mail to a small group(s) of specialized users (such as hydrology, Civil Defence and Emergency Management (CDEM), etc.)?**

- Yes (please answer the next question)
- No (please skip the next question)

35. If yes, what information is provided in the e-mail?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Education material	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 36. Does your NMS push SMS?**

- Yes (please answer the next question)
- No (please skip the next question)

37. If yes, what information is provided in the SMS?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 38. Does your NMS have a subscription SMS service?**

- Yes (please answer the next question)
- No (please skip the next question)

39. If yes, what information is provided in the SMS?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***40. Does your NMS have a smartphone/tablet application(s) or widget(s)?**

- Yes (please answer the next question)
- No (please skip the next question)

41. If yes, what information is provided in the application(s) or widget(s)?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***42. Does your NMS provide data to dedicated displays at tourism centres, local government offices, airports, etc.?**

- Yes (please answer the next question)
- No (please skip the next question)

43. If yes, what information is provided on the displays?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Weather warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***44. Does your NMS send faxes?**

- Yes (please answer the next question)
- No (please skip the next question)

45. If yes, what information is provided in the faxes?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***46. Does your NMS operate RANET (radio internet)?**

- Yes (please answer the next question)
- No (please skip the next question)

47. If yes, what information is provided on the RANET?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public education material	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*** 48. Does your NMS use newspaper(s)/newsletter(s)?**

- Yes (please answer the next question)
- No (please skip the next question)

49. If yes, what information is provided in the newspaper(s)/newsletter(s)?

	Always	Frequently	Sometimes	Never
Public forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Warnings (including warnings of floods, sand and dust storms etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Seasonal and climate forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forecasts for specialised users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Air quality information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public education material	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

***50. Does your NMS use the Common Alerting Protocol (CAP) standard to communicate alerts?**

- Yes (please answer the next question)
- No (please skip the next question)

51. If yes, what communication channels are linked to CAP in your NMS?

	Yes	No
Website	<input type="radio"/>	<input type="radio"/>
Radio	<input type="radio"/>	<input type="radio"/>
TV	<input type="radio"/>	<input type="radio"/>
Fax	<input type="radio"/>	<input type="radio"/>
Siren	<input type="radio"/>	<input type="radio"/>
Social media (Facebook, Twitter etc.)	<input type="radio"/>	<input type="radio"/>

Other (please specify) (If you selected 'Yes' for 'Website', please provide your URL here)

52. Does your NMS use any other method(s) for dissemination not mentioned previously? Please explain.

53. Does your NMS survey your audience on which channels they use for weather information?

- Yes (please comment below)
- No

If 'Yes', what are the three most popular channels used?

54. Does your NMS have a two-way conversation with your audience?

- Yes (please comment below)
- No

If 'Yes', what are the channels used?

Thank you, as the WMO PWS Focal Point, for taking this survey.