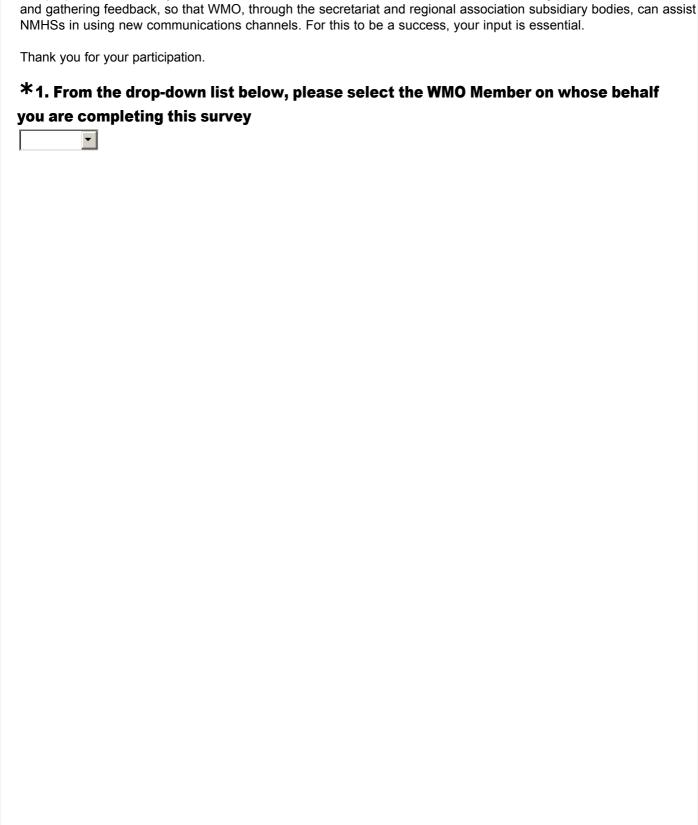
This WMO Public Weather Services (PWS) Focal Point Survey is a short survey, targeted at the National Meteorological and Hydrological Services (NMHS) PWS Focal Points, and your participation is highly valued.

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 NMHSs in using new communications channels. For this to be a success, your input is essential.



*2. Does your Natio website(s)?	nal Meteorolo	gical or Hydrologic	al Service (NMS) o	perate official
C Yes (please answer the nex	kt question)			
No (please skip the next qu	estion)			
3. If yes, what inform	_			
Public forecasts	Always	Frequently	Sometimes	Never
Warnings (including warnings of floods, sand and dust storms etc.)	O	0	0	0
Seasonal and climate forecasts	О	О	С	O
Forecasts for specialised users	O	O	O	0
Air quality information	0	0	0	0
Public education material	0	O	0	0
No (please skip the next questions)  No (please skip the next questions)  S. If yes, what inform		display on their we	bsites?	Never
Public forecasts	0	O	0	0
Warnings (including warnings of floods, sand and dust storms etc.)	O	0	O	
Seasonal and climate				O
forecasts	0	О	0	0
Forecasts for specialised users	0	0	0	
Forecasts for specialised				O
Forecasts for specialised users	0	O	0	0

	question)			
. If yes, what infori	<del>-</del>		•	nel(s)?
	Always	Frequently	Sometimes	Never
Public forecasts				
Neather/climate related news stories	0	0	0	0
Seasonal and climate forecasts	0	O	0	O
Forecasts for specialised users	O	O	O	O
Air quality information	0	O	0	0
Public education material	O	O	O	0
<ul><li>Yes (please answer the not</li><li>No (please skip the next of</li></ul>	ext question)	·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
. P				
. If yes, what infor	mation is provid	led on the Faceboo	ok (or similar) page	e(s)?
. If yes, what infor	Always	Frequently	Sometimes	Never
L If yes, what infor	Always	Frequently ©	Sometimes	Never
. If yes, what infor	Always	Frequently	Sometimes	Never
Public forecasts  Warnings (including warnings of floods, sand	Always	Frequently ©	Sometimes	Never
Public forecasts  Warnings (including warnings of floods, sand and dust storms etc.)  Seasonal and climate	Always	Frequently  C	Sometimes	Never
Public forecasts  Warnings (including warnings of floods, sand and dust storms etc.)  Seasonal and climate forecasts  Forecasts for specialised	Always	Frequently  O	Sometimes	Never ©

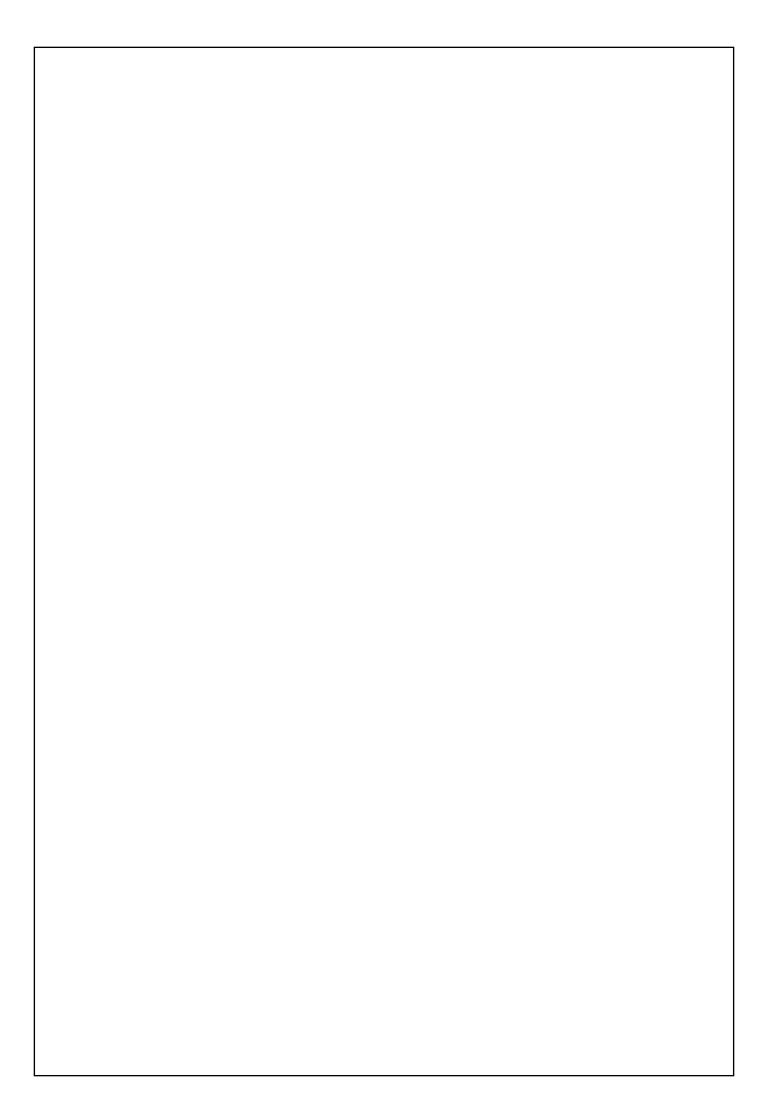
	Always	Frequently	Sometimes	Never
blic forecasts	0	O	0	0
rnings (including rnings of floods, sand d dust storms etc.)	O	О	0	O
asonal and climate ecasts	О	0	O	O
recasts for specialised	O	0	0	0
quality information	0	0	0	0

Public forecasts  Warnings (including warnings of floods, sand and dust storms etc.)  Seasonal and climate forecasts  Forecasts for specialised users  Air quality information		d on the weather  Frequently  C  C	er radio station(s)?  Sometimes  C	Never C
Public forecasts  Warnings (including warnings of floods, sand and dust storms etc.)  Seasonal and climate forecasts  Forecasts for specialised users  Air quality information	Always	Frequently  C	Sometimes C	O
Public forecasts  Warnings (including warnings of floods, sand and dust storms etc.)  Seasonal and climate forecasts  Forecasts for specialised users  Air quality information	Always	Frequently  C	Sometimes C	O
Public forecasts  Warnings (including warnings of floods, sand and dust storms etc.)  Seasonal and climate forecasts  Forecasts for specialised users  Air quality information	0	0	© ©	
warnings of floods, sand and dust storms etc.)  Seasonal and climate forecasts  Forecasts for specialised users  Air quality information	O	©		0
Seasonal and climate forecasts Forecasts for specialised users Air quality information			$\odot$	
users Air quality information	O	_		0
		O	O	O
	0	O	O	0
Public education material	0	0	O	0
*14. Does your NMS pr	ovide informa	tion to an inder	endent radio stati	on(s)?
C Yes (please answer the next que				(-/-
Too (produce diferent the float que	ouon,			
Public forecasts	Always	Frequently	Sometimes	Never
	0	0		0
Warnings (including warnings of floods, sand and dust storms etc.)	O	C	O	O
		0		
Seasonal and climate forecasts	O	0	O	O
	0	0	0	0
forecasts Forecasts for specialised				

Yes (please answer the n	. ,			
No (please skip the next	question)			
7. If yes, what info	rmation is prov	ided on the televis	ion weather chann	el(s)?
	Always	Frequently	Sometimes	Never
Public forecasts	O	0	O	O
Warnings (including warnings of floods, sand and dust storms etc.)	O	O	O	O
Seasonal and climate forecasts	0	O	O	0
Forecasts for specialised users	0	0	0	0
Air quality information	O	•	0	0
B. 1	0	$\circ$	0	$\circ$
*18. Does your NN selevision channels  Yes (please answer the note of the note)  No (please skip the next of the n	ext question) question)	he presentation?	er presentations to	
*18. Does your NN relevision channels  Yes (please answer the note of the note)  No (please skip the next of the n	ext question) question) prmation is prov	he presentation?	er presentations to  ndent television ch	
C Yes (please answer the n	ext question) question)	he presentation?	ndent television ch	annels?
*18. Does your NN celevision channels  Yes (please answer the note of the next	ext question) question) prmation is prov	he presentation?  rided to the indepe	ndent television ch	<b>annels?</b> Never
*18. Does your NN selevision channels  Yes (please answer the note of the next	ext question) question)  rmation is prov  Always	he presentation?  rided to the indepe  Frequently	ndent television ch Sometimes	annels? Never
*18. Does your NN celevision channels  Yes (please answer the note of the next	ext question) question)  rmation is prov  Always	he presentation?  rided to the indepe  Frequently  C	ndent television ch Sometimes C	annels?  Never
*18. Does your NN elevision channels  Yes (please answer the note of the next	to broadcast to best question)  question)  prmation is provide weather the strength of the str	rided to the indeperation?  Frequently  C  C  ther graphics for u	ndent television ch Sometimes C	annels?  Never  C  C  C  entation by

Namings (including   C   C   C   C   C   C   C   C   C					
Warnings (including warnings of floods, sand, dust storms etc.)  **Z2. Does your NMS provide weather forecasts and/or weather observational data to independent television channels for presentation?  **Z2. Does your NMS provide weather forecasts and/or weather observational data to independent television channels for presentation?  **Yes (please answer the next question)  **Z3. If yes, what information is provided to the independent television channels?  **Always Frequently Sometimes Never  **Public forecasts C C C C  **Warnings (including C C C C  **Warnings (including C C C C  **Warnings of floods, sand, dust storms etc.)  **Seasonal and climate C C C C C  **Seasonal and climate C C C C C  **Seasonal and climate C C C C C  **Proceasts for specialised C C C C  ***Always Frequently Sometimes Never  **Proceasts for specialised C C C C C  ***Z4. Does your NMS have a TV weather studio?  ***Yes (please answer the next question)  ***Yes (please answer the next question)  ***Z5. If yes, how would you rate the performance of the TV weather studio of your NMS  The studio is well C C C C C  ***Presenters are performing C C C C C  ****Presenters are performing C C C C C  ***Presenters are performing C C C C C C  ***Presenters are performing C C C C C C  ***Presenters are performing C C C C C C  ***Presenters are performing C C C C C C  ***Presenters are performing C C C C C C  ***Presenters are performing C C C C C C  ***Presenters are performing C C C C C C  ***Presenters are performing C C C C C C  ***Presenters are performing C C C C C C  ***Presenters are performing C C C C C C  ***Presenters are performing C C C C C C C C  ***Presenters are performing C C C C C C	Dublic forecasts				
warnings of floods, sand, dust storms etc.)  Seasonal and climate C C C C C C C C C C C C C C C C C C C					
Forecasts for specialised C C C C C C C C C C C C C C C C C C C	warnings of floods, sand,	C	O	O	C
*22. Does your NMS provide weather forecasts and/or weather observational data tondependent 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 C C C C Warnings (including C C C C C Warnings of floods, sand, dust storms etc.)  Seasonal and climate C C C C C Grecasts for specialised C C C C Grecasts for specialised C C C C Warnings (including C C C C C C C Warnings of floods, sand, dust storms etc.)  Seasonal and climate C C C C C C Warnings of floods, sand, dust storms etc.)  Seasonal and climate C C C C C C Warnings (including C C C C C C C C C C C C C C C C C C C		O	0	O	0
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 C C C C C  Warnings (including C C C C C  Warnings of floods, sand, dust storms etc.)  Seasonal and climate C C C C C  Seasonal and climate C C C C C  Air quality information C C C  *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 never  The studio is well C C C C  equipped and functional  Presenters are performing C C C C C  well  Presenters are performing C C C C C  well		O	O	O	O
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 C C C C Warnings (including C C C Warnings (including C C C Warnings (including C C C Warnings of floods, sand, dust storms etc.)  Seasonal and climate C C C C O C O C O C O C O C O C O C O C	*22. Does your NM	S provide weat	her forecasts and/	or weather observ	ational data to
C No (please skip the next question)  23. If yes, what information is provided to the independent television channels?  Always Frequently Sometimes Never Public forecasts C C C C Warnings (including C C C C C Warnings of floods, sand, dust storms etc.)  Seasonal and climate forecasts Forecasts for specialised C C C C C Seasonal information C C C C C Air quality information C C C C C  *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 C C C C C equipped and functional Presenters are performing C C C C C	ndependent televis	ion channels fo	or presentation?		
Always Frequently Sometimes Never Public forecasts C C C C C C C C C C C C C C C C C C	Yes (please answer the ne	ext question)			
Always Frequently Sometimes Never Public forecasts C C C C Warnings (including C C C C C Warnings of floods, sand, dust storms etc.)  Seasonal and climate forecasts Forecasts for specialised C C C C C Air quality information C C C C C  *24. Does your NMS have a TV weather studio?  Yes (please answer the next question)  No (please skip the next question)  Always Frequently Sometimes Never The studio is well C C C C C C  Presenters are performing C C C C C C C C C C C C C C C C C C C	O No (please skip the next qu	uestion)			
Public forecasts  C C C C Warnings (including warnings of floods, sand, dust storms etc.)  Seasonal and climate forecasts  Forecasts for specialised users  Air quality information C C C C C C C C C C C C C C C C C C C	23. If yes, what infor	mation is prov	ided to the indepe	ndent television ch	nannels?
Warnings (including C C C C C C C C C C C C C C C C C C C		·			
warnings of floods, sand, dust storms etc.)  Seasonal and climate forecasts  Forecasts for specialised	Public forecasts	O	O	0	O
Forecasts for specialised Spec	warnings of floods, sand,	O	O	O	O
Air quality information		0	0	O	0
*24. Does your NMS have a TV weather studio?  One (please answer 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 One of the try weather studio of your NMS  The studio is well One of the try weather studio of your NMS  The studio is well One of the try weather studio of your NMS  Always Frequently Sometimes Never  The studio is well One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your NMS  Always Frequently Sometimes One of the try weather studio of your N		0	O	O	O
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  Presenters are performing O O O O O O O O O O O O O O O O O O O	Air quality information	O	0	0	0
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  Presenters are performing O O O O O O O O O O O O O O O O O O O	<b>≭24 Doos your NM</b>	S have a TV w	oothor studio?		
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  Presenters are performing C C C C C C C C C C C C C C C C C C C	_		eather studio:		
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 C C C C C equipped and functional  Presenters are performing C C C C C well		. ,			
Always Frequently Sometimes Never  The studio is well C C C C C equipped and functional  Presenters are performing well	No (please skip the next qu	destion)			
The studio is well cquipped and functional  Presenters are performing well C C C C C C C C C C C C C C C C C C	25. If yes, how would	d you rate the	performance of the	TV weather studi	o of your NMS?
equipped and functional  Presenters are performing  C  C  C  Well		Always	Frequently	Sometimes	Never
well		O	O	О	О
Comment	Presenters are performing	0	O	0	O
	•				
	well				
	well		<u> </u>		

*26. Does your NM	IS provide a pr	e-recorded telephoi	ne forecast servic	e?
C Yes (please answer the ne	ext question)			
C No (please skip the next q	uestion)			
27. If yes, what info	rmation is nrov	ided on the telenho	ne forecast servi	ce?
271 II yes, what into	Always	Frequently	Sometimes	Never
Public forecasts	0	©	O	0
Warnings (including warnings of floods, sand and dust storms etc.)	О	O	0	O
Seasonal and climate forecasts	O	O	О	O
Forecasts for specialised users	O	O	O	O
Air quality information	0	0	0	0
*28. Does your NM	S operate a ca	Il centre?		
_	-			
_				
No (please skip the next q	uestion)			
29. If yes, what info	rmation is prov	ided through the ca	Il centre?	
,	Always	Frequently	Sometimes	Never
Public forecasts	0	O	O	0
Warnings (including warnings of floods, sand and dust storms etc.)	0	0	O	C
Seasonal and climate forecasts	О	O	О	О
Forecasts for specialised users	O	O	О	O
Air quality information	0	0	0	0
*30. Does your NM	S take direct c	alls from users?		
-		and nom woold!		
Yes (please answer the ne				
No (please skip the next q	uestion)			
31. If yes, what info	rmation is prov	ided through the dir	ect calls?	
	Always	Frequently	Sometimes	Never
Public forecasts	0	0	0	0
Warnings (including warnings of floods, sand and dust storms etc.)	0	0	O	0
Seasonal and climate forecasts	0	O	0	O
Forecasts for specialised users	O	0	O	C
Air quality information	0	0	0	0



C Yes (please answer the ne	xt question)			
No (please skip the next qu				
3. If yes, what infor	-			
Public forecasts	Always	Frequently	Sometimes	Never
Warnings (including warnings of floods, sand and dust storms etc.)	0	0	0	0
Seasonal and climate forecasts	0	0	0	O
Forecasts for specialised users	0	O	O	О
Air quality information	0	0	O	0
<ul><li>Yes (please answer the ne</li><li>No (please skip the next qu</li></ul>			anagement (CDEM)	,, ,
	uestion) mation is prov	rided in the e-mail?		
No (please skip the next quest.) S5. If yes, what infor	uestion) <b>mation is prov</b> Always		Sometimes	Never ©
No (please skip the next qu	uestion) mation is prov	rided in the e-mail?		Never
No (please skip the next quantity of the	mation is prov  Always	rided in the e-mail?  Frequently	Sometimes ©	Never
No (please skip the next quantity of the skip the skip the next quantity of the next quant	mation is prov Always	rided in the e-mail?  Frequently  O	Sometimes O O	Never O O
No (please skip the next quantity of the skip the next quantity of the skip the next quantity of the skip the skip the next quantity of the skip th	mation is prov Always C	rided in the e-mail?  Frequently  C  C	Sometimes C C	Never C C

<ul><li>Yes (please answer the next of the</li></ul>				
O No (please skip the next of	ext question)			
	uestion)			
37. If yes, what info	rmation is prov	vided in the SMS?		
	Always	Frequently	Sometimes	Never
Public forecasts	0	O	0	0
Warnings (including warnings of floods, sand and dust storms etc.)	O	0	O	O
Seasonal and climate forecasts	O	O	0	0
Forecasts for specialised users	0	O	O	O
Air quality information	0	O	O	0
C Yes (please answer the next of No (please skip the next of	ext question)	cription SMS servic		
39. If yes, what info	rmation is prov			
	Always	Frequently	Sometimes	Never
Public forecasts	0	0	О	O
Public forecasts  Warnings (including warnings of floods, sand and dust storms etc.)				
Warnings (including warnings of floods, sand	0	0	О	O
Warnings (including warnings of floods, sand and dust storms etc.) Seasonal and climate	0	0	© ©	© ©

<sup>k</sup> 40. Does your NMS	have a smart	tphone/tablet appli	cation(s) or widg	et(s)?
Yes (please answer the nex	t question)			
No (please skip the next que	estion)			
1. If yes, what inforr	nation is prov	ided in the applicat	tion(s) or widaet(	(s)?
ii ii yes, what iiiioii	Always	Frequently	Sometimes	Never
ublic forecasts	0	O	0	O
Varnings (including varnings of floods, sand nd dust storms etc.)	O	O	O	O
easonal and climate	O	O	O	0
orecasts for specialised sers	O	O	O	0
ir quality information	0	0	0	0

3. If yes, what information is provided on the displays?  Always Frequently Sometimes Never  ublic forecasts  C C C  deather warnings including warnings of bods, sand and dust forms etc.)  easonal and climate  orecasts	Yes (please answer the n	ext question)			
ublic forecasts  C C C Veather warnings Including warnings of pods, sand and dust corms etc.)  easonal and climate O C C C C C C C C C C C C C C C C C C	No (please skip the next of	question)			
Always Frequently Sometimes Never Public forecasts C C C C Weather warnings of loods, sand and dust storms etc.)  Seasonal and climate C C C C C C C C C C C C C C C C C C C	3. If ves. what info	rmation is prov	ided on the display	ıs?	
Weather warnings C C C C C C C C C C C C C C C C C C C	or ir you, what illio				Never
including warnings of cloods, sand and dust storms etc.)  Seasonal and climate  O  O  O  O  O  O  O  O  O  O  O  O  O	Public forecasts	0	0	0	0
forecasts	including warnings of loods, sand and dust	O	О	C	O
Air quality information C C C		O	0	O	0
	Air quality information	0	C	O	O

44. Does your NM Yes (please answer the ne				
· ·				
No (please skip the next qu	uestion)			
5. If yes, what infor	mation is prov	ided in the faxes?		
	Always	Frequently	Sometimes	Never
ublic forecasts	0	O	О	O
/arnings (including arnings of floods, sand nd dust storms etc.)	O	O	0	O
easonal and climate precasts	0	0	0	O
orecasts for specialised sers	C	C	O	0
ir quality information	O	0	O	0

7. If yes, what information is provided on the RANET?  Always Frequently Sometimes Never  Albilic forecasts C C C C C C C C C C C C C C C C C C	Yes (please answer the nex		ET (radio internet		
Always Frequently Sometimes Never  Always Grequently Sometimes Never  Always Grequently Sometimes Never  Comparings (including Great Standard dust storms etc.)  Comparings of floods, sand and climate receasts  Comparings of specialised Gregory Gr					
Always Frequently Sometimes Never ublic forecasts C C C C C C C C C C C C C C C C C C	No (please skip the flext que	esuon)			
ublic forecasts  C C C C C C C C C C C C C C C C C C	7. If yes, what infor	mation is prov	ided on the RANE	Т?	
arnings (including arnings of floods, sand and dust storms etc.)  easonal and climate recasts  orecasts for specialised ers  r quality information					
earnings of floods, sand and climate casonal and climate crecasts  recasts for specialised crecasts  requality information  C  C  C  C  C  C  C  C  C  C  C  C  C					
recasts  precasts for specialised  precasts	arnings (including arnings of floods, sand and dust storms etc.)	C	C	C	O
ers r quality information C C C	easonal and climate recasts				
49	sers				
ublic education material C C C C					

Alway  aublic forecasts  farnings (including arnings of floods, sand and dust storms etc.)  easonal and climate recasts  precasts for specialised eers  ir quality information	is provided in the			
9. If yes, what information  Alway Public forecasts  Varnings (including varnings of floods, sand and dust storms etc.)  Reasonal and climate orecasts  orecasts for specialised sers  iir quality information	ys Frequei	ntly Sometin	nes Neve	
Public forecasts  Varnings (including varnings of floods, sand and dust storms etc.)  Reasonal and climate orecasts  Forecasts  Forecasts for specialised sers  Air quality information	ys Frequei	ntly Sometin	nes Neve	
Alway Public forecasts  Varnings (including varnings of floods, sand and dust storms etc.)  Seasonal and climate orecasts  Forecasts for specialised lisers  Air quality information	ys Frequei	ntly Sometin	nes Neve	
Public forecasts  Varnings (including varnings of floods, sand and dust storms etc.)  Seasonal and climate orecasts  Forecasts for specialised users  Air quality information	<ul><li>0</li><li>0</li><li>0</li><li>0</li><li>0</li></ul>	© © ©	0	
Warnings (including varnings of floods, sand and dust storms etc.)  Seasonal and climate orecasts  Forecasts for specialised assers  Air quality information	C C	C C	0	
Forecasts for specialised sers	0	0	0	
Air quality information	O	0	O	
1,				
Public education material C	0	C	0	

*50. Does your NMS use the	e Common Alerting Pro	tocal (CAP) standard to
communicate alerts?		
C Yes (please answer the next question)		
No (please skip the next question)		
E4 If you what communicat	ion aboundle ove linked	4a CAD in vous NMC2
51. If yes, what communicat	Yes	No
Website	O	O
Radio	C	0
TV	O	O
Fax	O	0
Siren	O	O
Social media (Facebook, Twitter etc.)	O	O
Other (please specify) (If you selected 'Yes' for	'Website', please provide your URL h	ere)
	<u> </u>	

oes your NMS use any other method(s) for dissemination not mentioned ously? Please explain.	

53. Does your NMS survey your audience on which channels they use for weather information?
○ Yes (please comment below)
C No
If 'Yes', what are the three most popular channels used?
54. Does your NMS have a two-way conversation with your audience?
C Yes (please comment below)
O No
If 'Yes', what are the channels used?

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