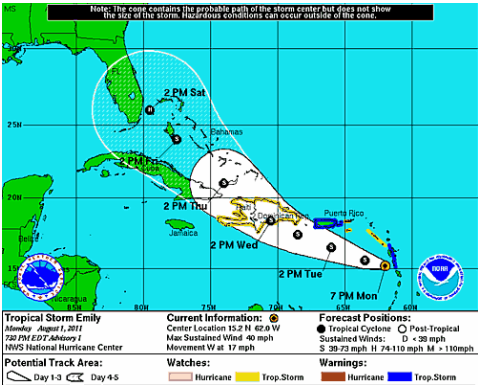




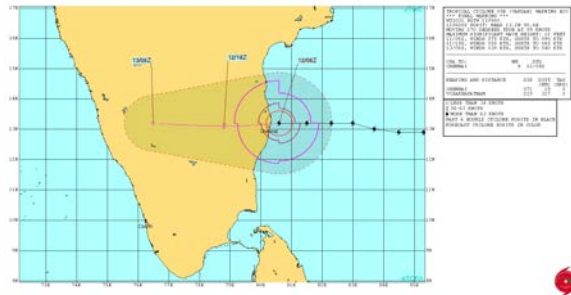

# 媒体属性

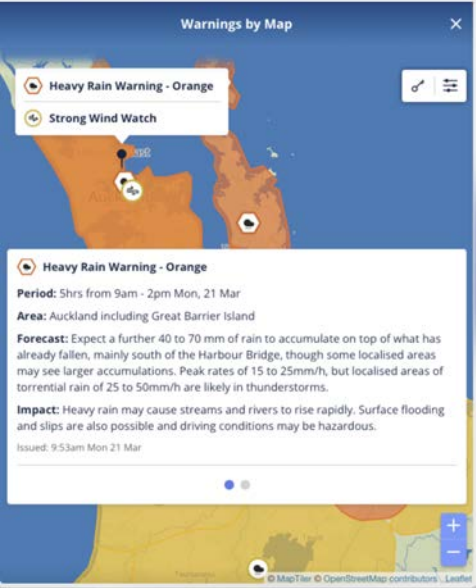

## 基于影响的预报预警服务 (IBFWS) 入门课程

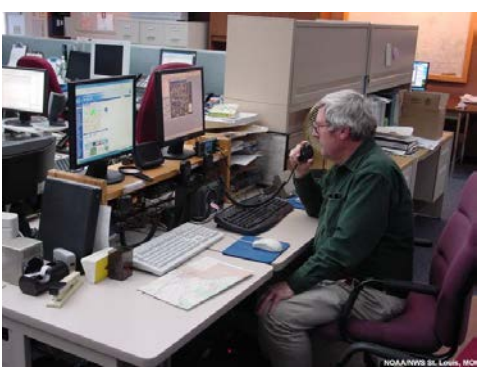


#	图像	标题/文件	作者/学分	来源	许可/权限
<b>Module 1: Fundamentals of IBFWS</b>					
1.		960px-Basey_after_Yolanda.JPG	Credit: By Lawrence Ruiz,	<a href="https://en.wikipedia.org/wiki/Typhoon_Haiyan#/media/File:Basey_after_Yolanda.JPG">https://en.wikipedia.org/wiki/Typhoon_Haiyan#/media/File:Basey_after_Yolanda.JPG</a>	CC BY-SA 4.0, <a href="https://commons.wikimedia.org/w/index.php?curid=43911464">https://commons.wikimedia.org/w/index.php?curid=43911464</a>
2.		1620px-Philippine_island_of_Binluanguan_Following_Typhoon_Haiyan_MOD_45156472.jpg	LPHOT Keith Morgan,	<a href="https://commons.wikimedia.org/w/index.php?curid=30512881">https://commons.wikimedia.org/w/index.php?curid=30512881</a>	Images are downloadable at high resolution, made available at <a href="http://www.defenceimagery.mod.uk">http://www.defenceimagery.mod.uk</a> for reuse under the OGL (Open


					Government License).
3.		Haiyan-forecast-UKMet.gif	UK Met Office	UK Met Office	Permission granted
4.		1080px-Tacloban_Typhoon_Haiyan_2013-11-13.jpg	Trocaire, Ireland DSC_0749,	<a href="https://commons.wikimedia.org/w/index.php?curid=29660396">https://commons.wikimedia.org/w/index.php?curid=29660396</a>	<a href="https://creativecommons.org/licenses/by-nc/2.0/">https://creativecommons.org/licenses/by-nc/2.0/</a>
5.		ReliefNet_Map_of_Damaged_houses_Typhoon_Haiyan.pdf	ReliefWeb, UN Office for the Coordination of Humanitarian Affairs - See more at: <a href="http://reliefweb.int/map/philippines/philippines-damaged-houses-18-nov-">http://reliefweb.int/map/philippines/philippines-damaged-houses-18-nov-</a>	<a href="https://en.wikipedia.org/wiki/File:ReliefNet_Map_of_Damaged_houses_Typhoon_Haiyan.pdf">https://en.wikipedia.org/wiki/File:ReliefNet_Map_of_Damaged_houses_Typhoon_Haiyan.pdf</a>	Public Domain

			<a href="#">2013-1800-utc8#sthash.cEfqVP84.dpuf</a>		
6.		Emily2011path2330 14W5_NL_sm.gif	NOAA/NWS	<a href="https://www.nhc.noaa.gov/archive/2011/graphics/al05/loop_5W.shtml">https://www.nhc.noaa.gov/archive/2011/graphics/al05/loop_5W.shtml</a>	Public domain
7.		Father Carries Daughter to Safety  Country Haiti, Port-au-Prince  UN_DAM/Haiti - Jeanne storm/2022Feb02 - Library - 0bf.jpg/UN7686194 _0bf_Standard.jpg	UN Photo/Logan Abassi	Unique Identifier UN7686194  <a href="https://dam.media.un.org/">https://dam.media.un.org/</a>	<a href="https://shop.un.org/rights-permissions">https://shop.un.org/rights-permissions</a>


8.		<p>Headline: MINUSTAH Peacekeepers Assist Flood Victims in Haiti</p> <p>UN_DAM/Haiti - Jeanne storm/2022Feb02 - Library - 0c0.jpg/UN7686195 _0c0_Low_Resoluti on.jpg</p>	<p>UN Photo/Logan Abassi</p>	<p>Unique Identifier: UN7686195</p> <p><a href="https://dam.media.un.org/">https://dam.media.un.org/</a></p>	<p><a href="https://shop.un.org/rights-permissions">https://shop.un.org/rights-permissions</a></p>
9.		<p>JTWC_io0516.gif</p>	<p>Joint Typhoon Warning Center, US Navy</p>	<p><a href="https://upload.wikimedia.org/wikipedia/commons/d/d8/JTWC_io0516.gif">https://upload.wikimedia.org/wikipedia/commons/d/d8/JTWC_io0516.gif</a></p>	<p>public domain</p>
10.		<p>Meteorologist at Indonesia Meteorological and Geophysical Agency, BMKG</p>	<p>WMO</p>	<p><a href="https://flic.kr/p/EP4xxU">https://flic.kr/p/EP4xxU</a></p>	<p><a href="https://creativecommons.org/licenses/by-nc-nd/2.0/">https://creativecommons.org/licenses/by-nc-nd/2.0/</a></p>

<p>11.</p>		<p>heavyrain-impact- mobile- NZMetSvc21Mar20 22.png</p>	<p>NZ MetService</p>	<p>Warnings &amp; Watches page, Meteorological Service of New Zealand, <a href="https://www.metservice.com/warnings/home">https://www.metservice.com/warnings/home</a></p>	
<p>12.</p>		<p>pexels-photo- 6754173.jpeg</p>	<p>Photo by <a href="#">Pavel Danilyuk</a></p>	<p>from <a href="#">Pexels</a></p>	<p><a href="https://www.pexels.com/license/">https://www.pexels.com/license/</a> Free to use</p>

13.		nws_radio.meted.jpg	NOAA/NWS St. Louis, MO	<a href="https://www.meted.ucar.edu">https://www.meted.ucar.edu</a>	COMET Terms of Use <a href="https://www.meted.ucar.edu/about_legal.php#C">https://www.meted.ucar.edu/about_legal.php#C</a>
14.		Forecaster_work.jpg	NOAA	<a href="https://www.meted.ucar.edu/">https://www.meted.ucar.edu/</a>	COMET Terms of Use <a href="https://www.meted.ucar.edu/about_legal.php#C">https://www.meted.ucar.edu/about_legal.php#C</a>
15.		5545703979_732654fb1c_h.jpg	Photo by Khalfan Said, U.S. Embassy, Tanzania	<a href="https://flic.kr/p/9s4bzR">https://flic.kr/p/9s4bzR</a>	<a href="https://creativecommons.org/licenses/by/2.0/">https://creativecommons.org/licenses/by/2.0/</a>



16.		51102011688_c576512e48_b.jpg	UNDP Climate	<a href="https://flic.kr/p/2kRHaH3">https://flic.kr/p/2kRHaH3</a>	<a href="https://creativecommons.org/licenses/by-nc/2.0/">https://creativecommons.org/licenses/by-nc/2.0/</a>
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**Module 2: Roadmap to the IBFWS Paradigm**

17.		Super_Typhoon_Surigae_near_the_Philippines_-_April_19th,_2021_(51126373195).jpg	Pierre Markuse	<a href="https://flickr.com/photos/24998770@N07/51126373195">https://flickr.com/photos/24998770@N07/51126373195</a>	<a href="https://creativecommons.org/licenses/by/2.0/deed.en">https://creativecommons.org/licenses/by/2.0/deed.en</a>
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18.		10695722693_9dd99835f2_c.jpg	AusAID	<a href="https://flic.kr/p/hi9nHX">https://flic.kr/p/hi9nHX</a>	<a href="https://creativecommons.org/licenses/by/2.0/">https://creativecommons.org/licenses/by/2.0/</a>
19.	 <p data-bbox="449 1133 625 1157">Photo by Lon Goldstein</p>	House by creek	Lon Goldstein		<a href="https://creativecommons.org/licenses/by-nd/2.0/">https://creativecommons.org/licenses/by-nd/2.0/</a>

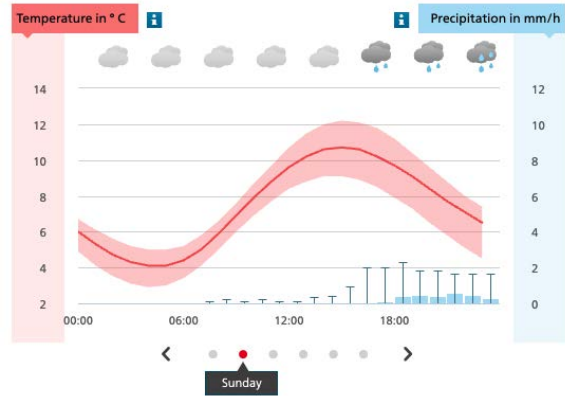


20.		Hurricane-katrina-port-sulphur-la-4-14-06-this-is-a-post-mitigated-home-that-bba139.jpg	Marvin Nauman/FEMA	<a href="https://nara.getarchive.net/media/hurricane-katrina-port-sulphur-la-4-14-06-this-is-a-post-mitigated-home-that-bba139">https://nara.getarchive.net/media/hurricane-katrina-port-sulphur-la-4-14-06-this-is-a-post-mitigated-home-that-bba139</a>	Public domain - FEMA
21.		House 2.jpg House at ground level	Adanna Robertson-Quimby		<a href="https://creativecommons.org/licenses/by-nd/2.0/">https://creativecommons.org/licenses/by-nd/2.0/</a>

22.		3883928876_efccf3e42f_o.jpg	Max Barners	<a href="https://flic.kr/p/6Vd9JY">https://flic.kr/p/6Vd9JY</a>	<a href="https://creativecommons.org/licenses/by-nd/2.0/">https://creativecommons.org/licenses/by-nd/2.0/</a>
23.		Video and stills	COMET/UCAR	<a href="https://www.youtube.com/watch?v=W3ghU4e2OKY">https://www.youtube.com/watch?v=W3ghU4e2OKY</a>	COMET Terms of Use <a href="https://www.meted.ucar.edu/about_legal.php#C">https://www.meted.ucar.edu/about_legal.php#C</a>

24.

**Genève** 381 m a. sea level  
Sunday, 13 March 2022



MeteoSuisse-prob-  
fcst11Mar2022.png

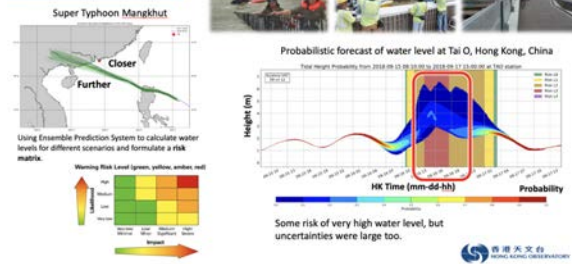
MeteoSwiss

<https://www.meteoswiss.admin.ch/home.html>

Courtesy  
MétéoSuisse

25.

**Risk-based storm surge  
forecast**

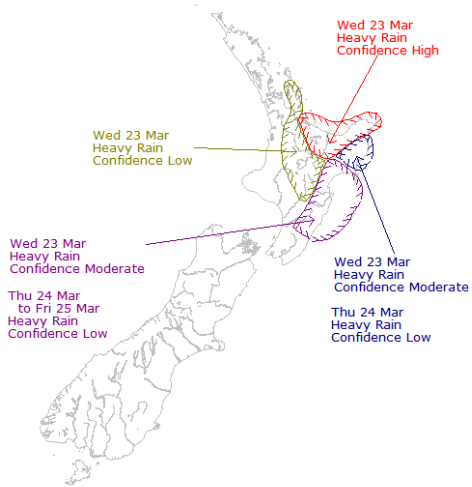


Module3\_Q2Q3KKH  
1803.pptx

Courtesy Hong  
Kong Observatory

26.

Valid Wed 23-Mar-2022 through Sat 26-Mar-2022



Issued 04:27 pm 21-Mar-2022

© Meteorological Service of New Zealand Ltd

HeavyRainProbMap  
\_NZMetSvc21Mar2  
022.png

NZ MetService  
Warnings &  
Watches page,  
Meteorological  
Service of New  
Zealand,

<https://www.metservice.com/warnings/home>

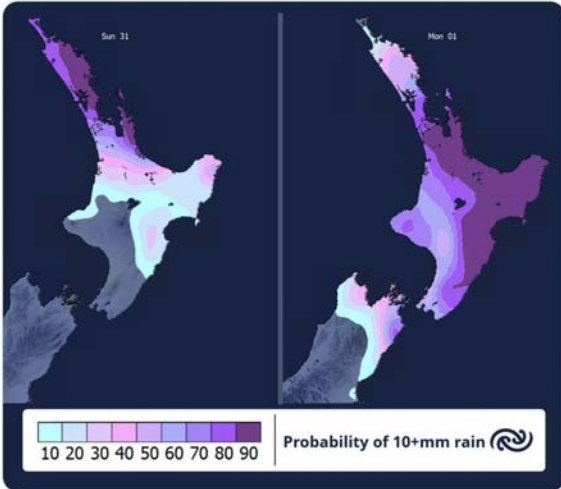
Courtesy  
Meteorological  
Service of New  
Zealand

27.

← Tweet



Across the North Island, most places are likely to see some rain from Sunday. Eastern areas have the highest probability, especially on Monday, with the upper South Island also getting a taste to close out the long weekend. Check out the outlook at [bit.ly/SWOutlook](https://bit.ly/SWOutlook) ^Tahlia



9:10 PM · May 28, 2020 · TweetDeck

3 Retweets 5 Likes

Tweet-ProbFcst-  
NZMetSvc28May20  
20.png

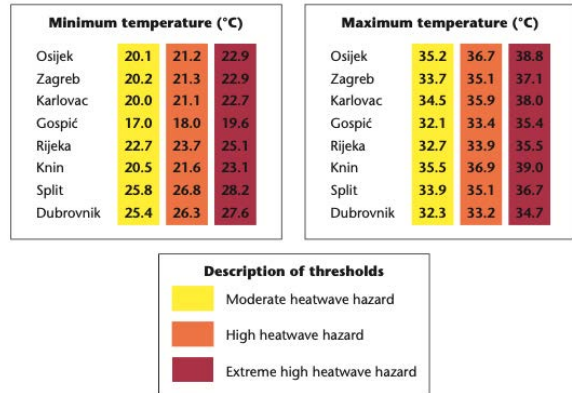
NZ MetService  
Warnings &  
Watches page,  
Meteorological  
Service of New  
Zealand,  
<https://www.metservice.com/warnings/home>

Courtesy  
Meteorological  
Service of New  
Zealand

28.

**Example of spatial variation in thresholds from the Meteorological and Hydrological Service of Croatia**

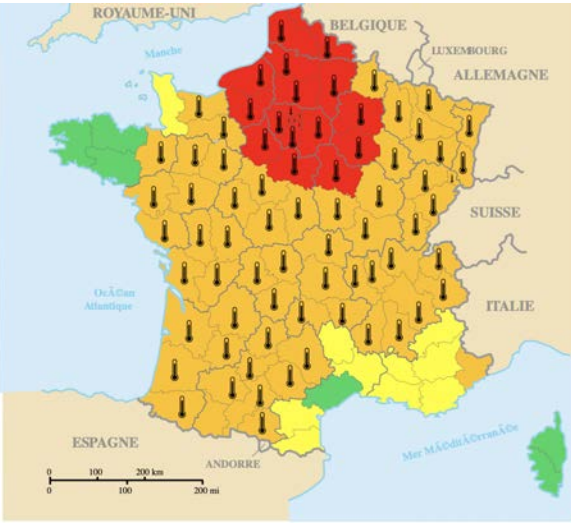
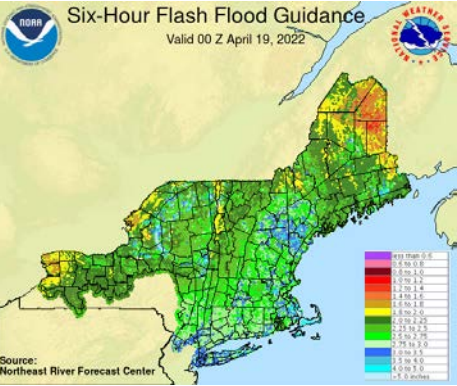
Temperature thresholds for the heatwave hazard for eight towns in Croatia





Croatia\_thresholds\_example\_wmo\_1150\_pt1.png

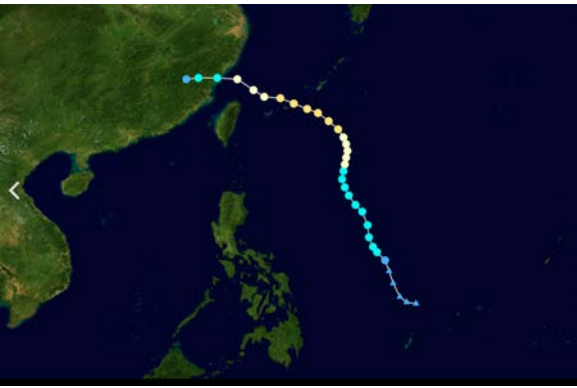
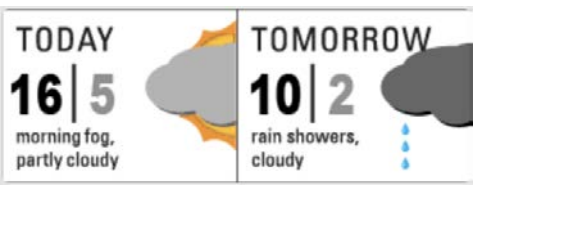

WMO



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[https://library.wmo.int/index.php?lvl=notice\\_display&id=17257](https://library.wmo.int/index.php?lvl=notice_display&id=17257)  
 Guidelines on Multi-hazard Impact-based Forecast and Warning Services Part II  
[https://library.wmo.int/index.php?lvl=notice\\_display&id=21994](https://library.wmo.int/index.php?lvl=notice_display&id=21994)

29.		843px-Meteo_France_weather_warning_map_-_24-25.07.2019.svg.png	By User:Ternoc - Own work	<a href="https://commons.wikimedia.org/wiki/File:Meteo_France_weather_warning_map_-_24-25.07.2019.svg.png">https://commons.wikimedia.org/wiki/File:Meteo_France_weather_warning_map_-_24-25.07.2019.svg.png</a>	Public Domain
30.		ffg1_6hr_19Apr2022_00z_NERFC.png	NOAA/NWS	<a href="https://www.weather.gov/serfc/ffg">https://www.weather.gov/serfc/ffg</a>	Public domain

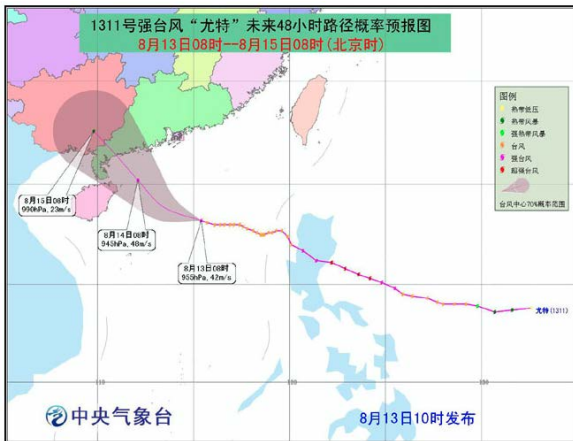
31.	<p>Early Warning System for Extreme Heat Temperatures (SAT-TE Calor) Argentinian National Meteorological Service - 13 January, 2022 18:32h</p>  <p><b>Effect on Health</b></p> <ul style="list-style-type: none"> <li><span style="color: red;">■</span> Red: High to extreme. Very dangerous. Can affect everyone, even the healthy.</li> <li><span style="color: orange;">■</span> Orange: Moderate to high. Can be very dangerous, especially for risk groups.</li> <li><span style="color: yellow;">■</span> Yellow: Mild to moderate. Can be dangerous, especially for risk groups, such as young children, those older than 65 years and people with chronic illness.</li> <li><span style="color: green;">■</span> Green: No effect on health. No danger to the health of the population.</li> </ul> <p><a href="https://www.smn.gobar.modelos">https://www.smn.gobar.modelos</a></p>	Argentina_heatwave_13jan20221838h.png	Modified from source	<a href="https://www.smn.gobar.modelos">https://www.smn.gobar.modelos</a>	Credit: Courtesy Argentinian National Meteorological Service
32.		Edited ISS037 image of Typhoon Fitow, close to Taiwan. 10105483996_34146e76aa_c.jpg	Stuart Rankin	<a href="https://flic.kr/p/goZfjG">https://flic.kr/p/goZfjG</a>	<a href="https://creativecommons.org/licenses/by-nc/2.0/">https://creativecommons.org/licenses/by-nc/2.0/</a>



33.		1165px-Fitow_2013_track.png	Meow, Background image NASA/. Tracking data Joint Typhoon Warning Center	<a href="https://en.wikipedia.org/wiki/Typhoon_Fitow#/media/File:Fitow_2013_track.png">https://en.wikipedia.org/wiki/Typhoon_Fitow#/media/File:Fitow_2013_track.png</a>	Public domain
34.		forecast-today_and_tomorrow.png	Parhamr	<a href="https://commons.wikimedia.org/wiki/File:Newspaper_weather_forecast_today_and_tomorrow.svg">https://commons.wikimedia.org/wiki/File:Newspaper_weather_forecast_today_and_tomorrow.svg</a>	<a href="https://creativecommons.org/licenses/by-sa/3.0">https://creativecommons.org/licenses/by-sa/3.0</a>
35.		Storm-843732_1280.jpg	Reslmaier,	<a href="https://www.needpix.com/photo/410098/">https://www.needpix.com/photo/410098/</a>	public domain

36.		AftermathBertha-4123970_67291d76.jpeg	John Lucas	<a href="https://www.geograph.org.uk/photo/4123970">https://www.geograph.org.uk/photo/4123970</a>	<a href="https://creativecommons.org/licenses/by-sa/2.0/">https://creativecommons.org/licenses/by-sa/2.0/</a>
37.		864px-Utor_2013-08-11_0515Z.jpg	Jeff Schmaltz, LANCE/EOSDIS MODIS Rapid Response Team, NASA GSFC	<a href="http://earthobservatory.nasa.gov/NaturalHazards/view.php?id=81837">http://earthobservatory.nasa.gov/NaturalHazards/view.php?id=81837</a> ,  Public Domain, <a href="https://commons.wikimedia.org/w/index.php?curid=27658452">https://commons.wikimedia.org/w/index.php?curid=27658452</a>	Public domain

38.



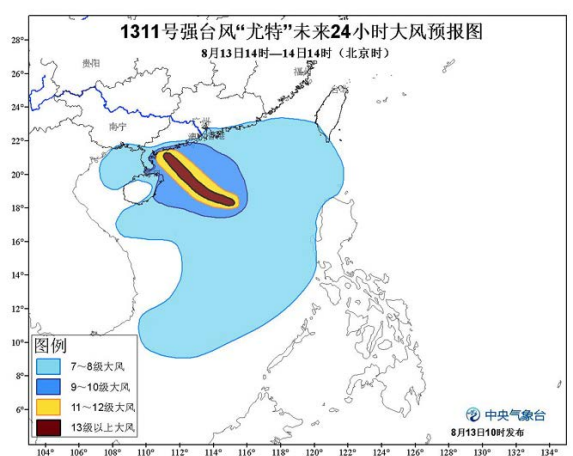
typhoon\_utor\_track\_fcst\_cma-aug2013.jpeg

China Meteorological Administration

[http://www.cma.gov.cn/en2014/news/News/201408/t20140812\\_255794.html](http://www.cma.gov.cn/en2014/news/News/201408/t20140812_255794.html)

Courtesy of China Meteorological Administration

39.



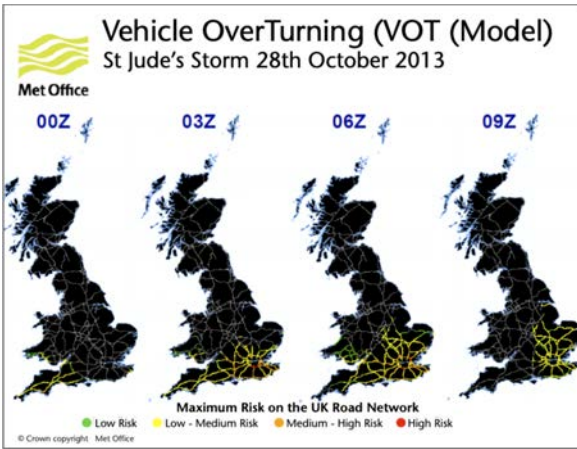
typhoon\_utor\_impact\_fcst\_cma-aug2013.jpeg

China Meteorological Administration

[http://www.cma.gov.cn/en2014/news/News/201408/t20140812\\_255794.html](http://www.cma.gov.cn/en2014/news/News/201408/t20140812_255794.html)

Courtesy of China Meteorological Administration

40.



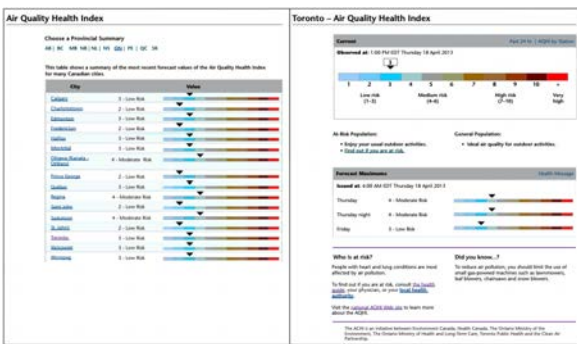
UK\_VOT\_model\_stJ  
udes28Oct2013.png

UK Met Service

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[https://library.wmo.int/index.php?lvl=notice\\_display&id=17257](https://library.wmo.int/index.php?lvl=notice_display&id=17257)  
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[https://library.wmo.int/index.php?lvl=notice\\_display&id=21994](https://library.wmo.int/index.php?lvl=notice_display&id=21994)

Courtesy UK Met Service

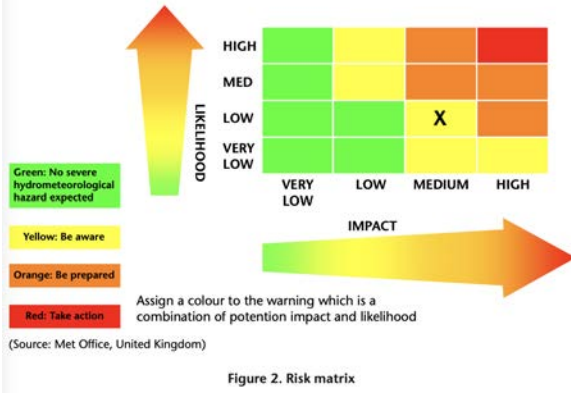
41.



air\_quality\_Env\_Ca  
nada.png

[https://weather.gc.ca/airquality/pages/index\\_e.html](https://weather.gc.ca/airquality/pages/index_e.html)

42.



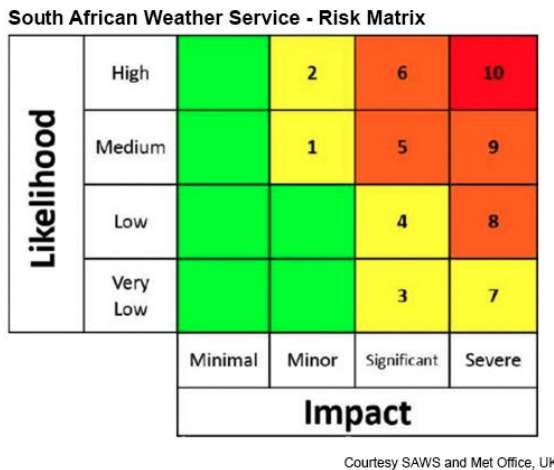
risk\_matrix\_metoffice\_UK.png

UK Met Service

Guidelines on Multi-hazard Impact-based Forecast and Warning Services  
[https://library.wmo.int/index.php?lvl=notice\\_display&id=17257](https://library.wmo.int/index.php?lvl=notice_display&id=17257)  
 Guidelines on Multi-hazard Impact-based Forecast and Warning Services Part II  
[https://library.wmo.int/index.php?lvl=notice\\_display&id=21994](https://library.wmo.int/index.php?lvl=notice_display&id=21994)

Courtesy UK Met Service

43.




SAWS\_risk.png

Courtesy SAWS and Met Office, UK

44.	<p><b>BMKG Indonesia Risk Matrix</b></p> <table border="1" data-bbox="199 305 724 706"> <tr> <td rowspan="4">Likelihood</td> <td>High</td> <td></td> <td>2</td> <td>7</td> <td>10</td> </tr> <tr> <td>Medium</td> <td></td> <td>1</td> <td>6</td> <td>9</td> </tr> <tr> <td>Low</td> <td></td> <td></td> <td>4</td> <td>8</td> </tr> <tr> <td>Very Low</td> <td></td> <td></td> <td>3</td> <td>5</td> </tr> <tr> <td></td> <td></td> <td>Minimal</td> <td>Minor</td> <td>Significant</td> <td>Severe</td> </tr> <tr> <td></td> <td></td> <td colspan="4">Impact</td> </tr> </table> <p><small>Courtesy BMKG and Met Office, UK</small></p>	Likelihood	High		2	7	10	Medium		1	6	9	Low			4	8	Very Low			3	5			Minimal	Minor	Significant	Severe			Impact				BMKG-Indonesia_risk.png			Courtesy BMKG and Met Office, UK
Likelihood	High			2	7	10																																
	Medium			1	6	9																																
	Low				4	8																																
	Very Low			3	5																																	
		Minimal	Minor	Significant	Severe																																	
		Impact																																				

**Module 3: Best Practises for Collaboration and Strategic Partnerships in IBFWS**

45.			Photo by <a href="#">Denniz Futalan</a> from <a href="#">Pexels</a>		
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46.



Photo by [RF. .studio](#) from [Pexels](#)

47.



Photo by [Matheus Bertelli](#) from [Pexels](#)

48.



Photo by [cottonbro](#) from [Pexels](#)

49.



Photo by [Harrison Haines](#) from Pexels

50.



Photo by [RODNAE Productions](#) from Pexels



51.



Photo by [Markus Spiske](#) from Pexels

52.

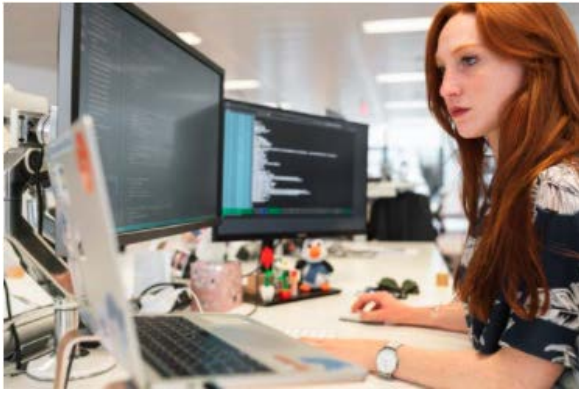


Photo by [ThisIsEngineering](#) from Pexels

53.



Photo by Yan Krukov from Pexels

54.



Figure 3. United Kingdom Natural Hazards Partnership




Met Office UK



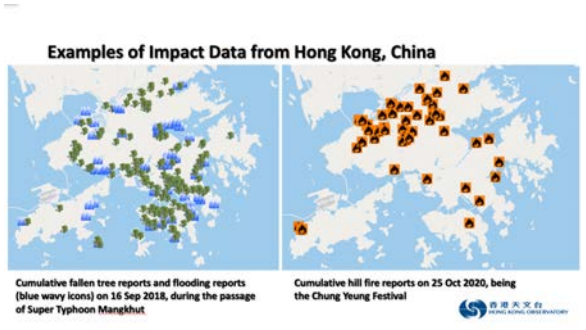
WMO Guidelines on Multi-hazard Impact-based Forecast and Warning Services Part II: Putting Multi-hazard IBFWS into Practice  
[https://library.wmo.int/index.php?lvl=notice\\_display&id=21994](https://library.wmo.int/index.php?lvl=notice_display&id=21994)

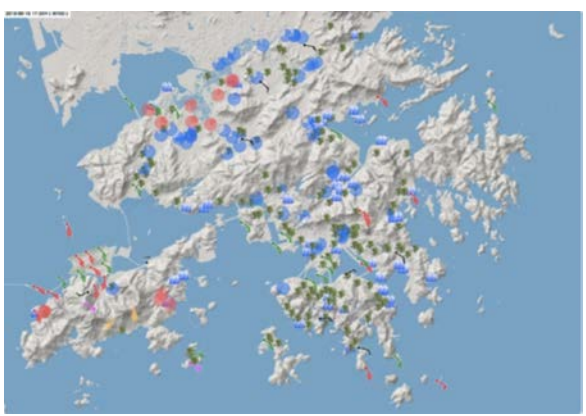


Courtesy Met Office UK

<p>55.</p>	<p>Resolution / Update Interval / Lead Time:  1 km/10 min/2 hours    1 km/10 min/1 hour    1 km/10 min/3 hours</p> <p><b>Risk Map</b>  Rain-Now Flood Risk Map</p> <ul style="list-style-type: none"> <li>High: Extreme risk [Level 4 eq.]</li> <li>High: High-risk [Level 4 eq.]</li> <li>Warning: Warning [Level 3 eq.]</li> <li>Caution: Caution [Level 2 eq.]</li> <li>Low: Check weather bulletin</li> </ul> <p><b>Flood Warnings and Advisories for designated rivers</b></p> <ul style="list-style-type: none"> <li>High: Information on flooding [Level 4 eq.]</li> <li>High: Information on potential flooding [Level 4 eq.]</li> <li>Warning: Warning on flooding [Level 3 eq.]</li> <li>Warning: Information to provide attention to flooding [Level 3 eq.]</li> <li>Low: Information to call attention to flooding [Level 2 eq.]</li> <li>Low: Check weather bulletin</li> </ul>	<p>JMA_Real-time_Risk_Map_modified.png</p>	<p>JMA</p>	<p>Japan Meteorological Agency (JMA)</p>	<p>Courtesy Japan Meteorological Agency (JMA)</p>
<p>56.</p>		<p>forecaster_work.jpg</p>	<p>NOAA</p>	<p><a href="https://www.meted.ucar.edu/">https://www.meted.ucar.edu/</a></p>	<p>COMET Terms of Use <a href="https://www.meted.ucar.edu/about_legal.php#C">https://www.meted.ucar.edu/about_legal.php#C</a></p>

57.		pexels-pixabay-260367.jpg	Pixabay	Photo by Pixabay from Pexels: <a href="https://www.pexels.com/photo/accident-action-danger-emergency-260367/">https://www.pexels.com/photo/accident-action-danger-emergency-260367/</a>	public domain,cco
58.			Photo by <a href="#">ThisIsEngineering</a> from <a href="#">Pexels</a>		

59.		imet_coordinate.jpeg	NOAA/NWS	<a href="https://www.meted.ucar.edu/">https://www.meted.ucar.edu/</a>	COMET Terms of Use <a href="https://www.meted.ucar.edu/about_legal.php#C">https://www.meted.ucar.edu/about_legal.php#C</a>
60.		nws_fire_desk_NW S.meted.jpg	NOAA/NWS Tallahassee, FL	<a href="https://www.meted.ucar.edu/">https://www.meted.ucar.edu/</a>	COMET Terms of Use <a href="https://www.meted.ucar.edu/about_legal.php#C">https://www.meted.ucar.edu/about_legal.php#C</a>
61.		start_burn.jpeg	Brent Lawrence, USFWS	<a href="https://www.meted.ucar.edu/fire/sitrep/media/graphics/start_burn.jpg">https://www.meted.ucar.edu/fire/sitrep/media/graphics/start_burn.jpg</a>	COMET Terms of Use <a href="https://www.meted.ucar.edu/about_legal.php#C">https://www.meted.ucar.edu/about_legal.php#C</a>

62.		DBK_FOC_3554_01_13_2017a.jpg	California Department of Water Resources	<a href="https://pixel-ca-dwr.photoshelter.com/index">https://pixel-ca-dwr.photoshelter.com/index</a>	public domain - per Ryan Endean, Assistant Deputy Director, Public Affairs Office, California Department of Water Resources (DWR), <a href="mailto:ryan.endean@water.ca.gov">ryan.endean@water.ca.gov</a> )
63.			Photo by Mikhail Nilov from Pexels		
64.	 <p>Examples of Impact Data from Hong Kong, China</p> <p>Cumulative fallen tree reports and flooding reports (blue wavy icons) on 16 Sep 2018, during the passage of Super Typhoon Mangkhut</p> <p>Cumulative hill fire reports on 25 Oct 2020, being the Chung Yeung Festival</p> <p>香港天文台 HONG KONG OBSERVATORY</p>	Impact_data_chart_KKH1803.pptx	Hong Kong Observatory (HKO)		Courtesy Hong Kong Observatory (HKO)

65.		GIS_ImpactData_m angkhut.png		<p>WMO Guidelines on Multi-hazard Impact-based Forecast and Warning Services Part II: Putting Multi-hazard IBFWS into Practice</p> <p><a href="https://library.wmo.int/index.php?lvl=notice_display&amp;id=21994">https://library.wmo.int/index.php?lvl=notice_display&amp;id=21994</a></p>	
66.			Photo by <a href="#">Manuel Geissinger</a> from <a href="#">Pexels</a>		
67.			Photo by <a href="#">Yan Krukov</a> from <a href="#">Pexels</a>		

68.



Photo by [Christina Morillo](#) from [Pexels](#)

69.






Photo by [fauxels](#) from [Pexels](#)



70.







Photo by [Canva Studio](#) from [Pexels](#)



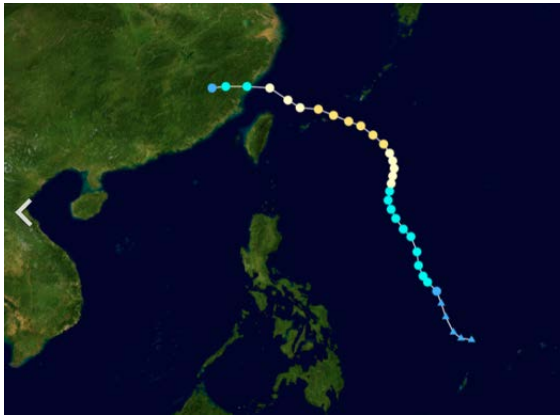




71.		<a href="#">IMG_2145.JPG</a>	UK Met Office	UK Met Office	Permission granted
72.		KJ_oro_ville_FERC_0452_08_07_19.JPG G	California Department of Water Resources	<a href="https://pixel-ca-dwr.photoshelter.com/index">https://pixel-ca-dwr.photoshelter.com/index</a>	public domain - per Ryan Endean, Assistant Deputy Director, Public Affairs Office, California Department of Water Resources (DWR), <a href="mailto:ryan.endean@water.ca.gov">ryan.endean@water.ca.gov</a>
73.			Photo by fauxels from Pexels		

74.			<p>Photo by Tima Miroshnichenko from Pexels</p>		
75.		<p>fcst-action-game-UKMet.png</p>	<p>Met Office, UC</p>	<p><a href="https://understandrisk.org/wp-content/uploads/FB-EA-Game-v5-1.pdf">https://understandrisk.org/wp-content/uploads/FB-EA-Game-v5-1.pdf</a></p>	<p>Met Office, UC</p>

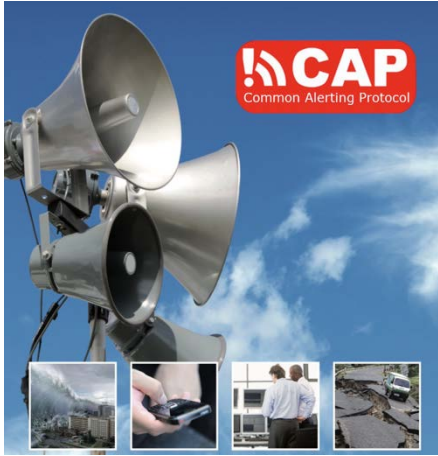
76.		P1012655.JPG	UK Met Office	UK Met Office	Permission granted
77.			Photo by <a href="#">ICSA</a> from <a href="#">Pexels</a>		
Module 4: Effective Communications Strategies for Impacts-Based Warnings					

78.		Traffic_direction_station.png	U.S. Army National Guard photo by Capt. Brendan Mackie	<a href="https://nara.getarchive.net/">https://nara.getarchive.net/</a>	public domain
79.		Disaster_center_manager_fema.png	Jocelyn Augustino/FEMA		Public domain
80.		road_repair_crew.png			public domain

81.		Downed_Power_Lines_(17157695726)(1).jpg	<a href="#">Tony Webster</a>		<a href="https://creativecommons.org/licenses/by/2.0/deed.en">https://creativecommons.org/licenses/by/2.0/deed.en</a>
82.		Snow_road.jpg	NSSL NOAA	<a href="https://www.meted.ucar.edu/">https://www.meted.ucar.edu/</a>	COMET Terms of Use <a href="https://www.meted.ucar.edu/about_legal.php#C">https://www.meted.ucar.edu/about_legal.php#C</a>
83.		1920px-Fitow_2013_track.png	By Meow - Created by Meow using WikiProject Tropical cyclones/Tracks. The background image is from NASA. Tracking data is from the Joint Typhoon Warning Center[1]	<a href="https://en.wikipedia.org/wiki/Typhoon_Fitow#/media/File:Fitow_2013_track.png">https://en.wikipedia.org/wiki/Typhoon_Fitow#/media/File:Fitow_2013_track.png</a> <a href="https://commons.wikimedia.org/w/index.php?curid=28812172">https://commons.wikimedia.org/w/index.php?curid=28812172</a>	Public Domain

84.		TADDHighRes-sm.gif	NWS NOAA	<a href="https://www.weather.gov/safety/flood-turn-around-dont-drown">https://www.weather.gov/safety/flood-turn-around-dont-drown</a>	Public domain
85.		14197246562_626339166f_o.jpg	<a href="#">Fairfax County</a>	<a href="https://flic.kr/p/nCyAM9">https://flic.kr/p/nCyAM9</a>	<a href="https://creativecommons.org/licenses/by-nc-nd/2.0/">https://creativecommons.org/licenses/by-nc-nd/2.0/</a>

86.



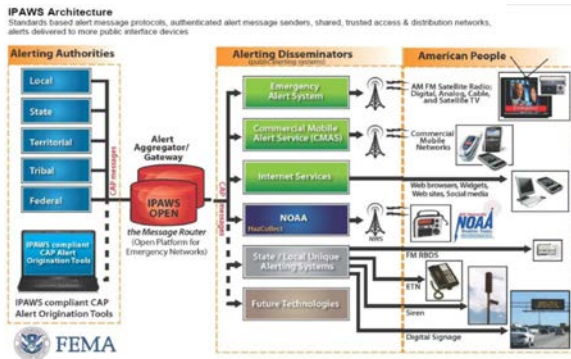
CAPcoverimage.jpg

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<https://etrp.wmo.int/course/view.php?id=157>

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87.

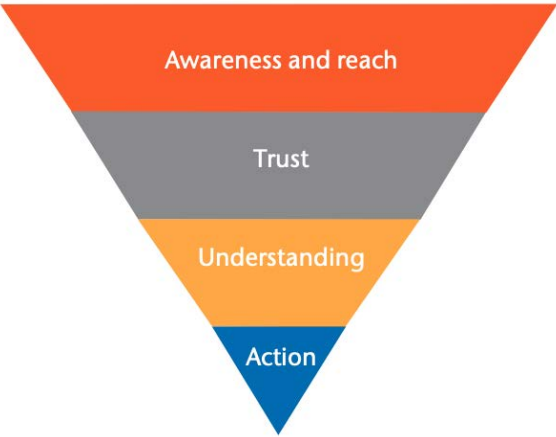




IPAWS-US-CAP-diagram.png

FEMA

<https://etrp.wmo.int/course/view.php?id=157>

Public domain

88.		REACH_model.png		<p>Guidelines on Multi-hazard Impact-based Forecast and Warning Services Part II</p> <p><a href="https://library.wmo.int/index.php?lvl=notice_display&amp;id=21994">https://library.wmo.int/index.php?lvl=notice_display&amp;id=21994</a></p>	
89.	<p>← Tweet</p> <p> MetService @MetService</p> <p>Hot again for many parts of the country. Many people are struggling with this prolonged heat , but don't forget our pets and livestock! More temperature information at <a href="https://www.metservice.com">MetService.com</a> ^Lisa</p>  <p>2:57 PM · Jan 30, 2019 · TweetDeck</p>	NZTweet-seasonal-1-30Jan2019.png	Courtesy Meteorological Service of New Zealand	NZ MetService	Courtesy Meteorological Service of New Zealand




90.

← Tweet

MetService  
@MetService

With temperatures spiking around the country it pays to keep a few things in mind about dealing with the heat. Here's some advice for the family, and don't forget about your pets and animals! ^AH



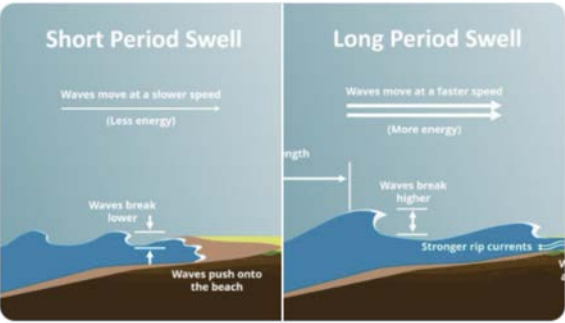

6:05 PM · Jan 27, 2019 · TweetDeck



NZTtweet-seasonal-2-27Jan2019.png


Courtesy  
Meteorological  
Service of New  
Zealand

NZ MetService

Courtesy  
Meteorological  
Service of New  
Zealand

<p>91.</p>	<p>← Tweet</p> <p> <b>MetService</b> @MetService</p> <p>Following the inclement weather this week, significant swells are forecast. With our new marine forecasts released last week, we now forecast swell period when greater than 10s. Check the info-graphics to see why this is important! ^Tui</p>  <p>10:25 PM · Sep 25, 2020 · TweetDeck</p> <p>6 Retweets 1 Quote Tweet 23 Likes</p>	<p>NZTweet-seasonal-explainer-3-25Sept2019.png</p>	<p>Courtesy Meteorological Service of New Zealand</p>	<p>NZ MetService</p>	<p>Courtesy Meteorological Service of New Zealand</p>
<p>92.</p>		<p>winter-ready-ireland.png</p>		<p><a href="https://www.gov.ie/en/publication/3670b1-be-winter-ready/">https://www.gov.ie/en/publication/3670b1-be-winter-ready/</a></p> <p>Guidelines on Multi-hazard Impact-based Forecast and Warning Services Part II</p> <p><a href="https://library.wmo.int/index.php?lvl=no">https://library.wmo.int/index.php?lvl=no</a></p>	

				<a href="#">tice_display&amp;id=21994</a>	
93.			<a href="#">MetService New Zealand</a>	<a href="https://fb.watch/bTNpDkSvzO/">https://fb.watch/bTNpDkSvzO/</a>	
94.	 <p>Ocean Buoy Awareness - Solomon Islands Pijin</p>	Ocean Buoys	WMO	<a href="https://www.youtube.com/playlist?list=PLNaX-uTWSWrHr554n5hLdemL-idLcefMq">https://www.youtube.com/playlist?list=PLNaX-uTWSWrHr554n5hLdemL-idLcefMq</a>	

95.	 <p>The thumbnail shows a woman with dark skin and curly hair, wearing a green patterned top and a white necklace. She is standing in front of a window with a potted plant. To her left is a green radio on a table. An orange speech bubble above the radio says "DANGEROUS STORM IS COMING!". Below the radio, there is a subtitle: "taem we yu save ee wan Storm I stap kam?". At the bottom of the image, the text "Coastal Inundation Awareness - Bislama" is visible.</p>	Coastal Inundation	WMO	<a href="https://www.youtube.com/playlist?list=PLNaX-uTWSWrGZ4yEMaYyv4o2SiQT20nsz">https://www.youtube.com/playlist?list=PLNaX-uTWSWrGZ4yEMaYyv4o2SiQT20nsz</a>	
#	Thumbnail	Title/File	Author/Credit	Source	License/Permission