Categories of content and contribution actions, methods and tools

Seven main categories of contents

6 main categories of content will be considered for the platform:

- 1. Documents/content from WHO and WMO sites
- 2. Documents/content from external web sites (selected by WHO/WMO, or approved by WHO/WMO)
- 3. Data & data sets (External or WHO and WMO)
- 4. Content for explanatory web pages by WHO/WMO
- 5. Awareness documents/contents by WHO/WMO
- 6. Connect content

Actions made by the contributor of content

The contributor of content can perform different actions depending on how the content is captured

Methods of content capture	Actions for content entries (in sequence)	
[MR] Manual research and entry Performed by the contributor on-line and off-line	 Selection of content Curation of metadata Manual entry of metadata & file 	
[AR] Automatic research and semi-automatic entry Performed by web spiders programmed to parse pre-defined content sources	 Semi-automatic entry of metadata & file Selection of content Curation of metadata 	
[AI] Automatic import Performed by means of an API connecting the DataBase of the source with that of the HC site	 Automatic entry of metadata & file Selection of content (if necessary) Curation of metadata (if necessary) 	

Summary of actions depending on categories of contents

Methods of content capture	Categories of contents
[MR] Manual research and entry	Documents/contents from external web sites
Performed by the contributor, on-line and off-line	2. Documents/contents from WHO and WMO sites
	3. Data & data sets (External or WHO and WMO)
	4. Content for explanatory web pages by the WHO/WMO
	5. Awareness documents/contents by the WHO/WMO
	6. Contact contents
[AR] Automatic research and semi-automatic entry	Documents from external web sites
Performed by a web spiders programmed to parse pre-defined content sources	2. Documents from WHO and WMO sites
[AI] Automatic import	Documents from WHO and WMO sites
Performed by means of an API connecting the DB of the source with that of the HC site	

Summary of methods and tools to entry content into the Data Base (back-office)

Methods of content capture	Actions for Content entry (in sequence)	Methods and tools	
[MR] Manual research and entry	1. Selection of content	Selection off-line and on-line (on web sites)	
Performed by the contributor on-line and off-line	2. Curation of metadata	Different possibilities a) On paper b) On excel files (or similar) used to batch load ¹ more entries at the same time	
	3. Manual entry of metadata & file	c) Directly in the entry mask Entry mask used for a) entry one content at the time b) batch load more entries at the same time	
[AR] Automatic research and semi-	1. Semi-automatic entry of metadata & file	Ready-made list available on the back-office prepared by the spider	
automatic entry Performed by web spiders programmed to parse	2. Selection of content	Selection on the ready-made list of one or more entries	
pre-defined content sources	3. Curation of metadata	One entry at the time directly on the entry mask	
[AI] Automatic import Performed by means of an API connecting the DataBase of the source with that of the HC site	1. Automatic entry of metadata & file	Two possibilities a) Ready-made list available on the back-office prepared by the API for checking b) Automatic publishing on the HC web site	
	2. Selection of content (if necessary)	Selection on the ready-made list of one or more entries	
	3. Curation of metadata (if necessary)	One entry at the time directly on the entry mask	

A batch load tool can be done using excel files, in this way the contributor can speed up the content editing (selection and curation) and the entry in the Data Base behind the web site (it is enough to upload the excel file to have inserted in the Data Base all the contents). This type of contribution is very effective to populate the site at the beginning, because it allows the content editing before the back-office is implemented. Then the entry mask are used to add content one by one when necessary during the web site updating.

Categories types and related contribution actions, methods and tools

1. Documents/content from WHO and WMO sites

Content type	Metadata	Methods of content capture	Insertion of Metadata & file	Entry methods/tools
 Training Events Training materials Guidance Case studies Research & scientific publications Products & Services Programmes, Projects, Initiatives 	Descriptive metadata Title Sub-title Author(s) Issue date Editor ISBN URL File (PDF) Brief description	[MR] Manual research [AR] Automatic research [AI] Automatic import	 Manual entry Semi-automatic & automatic entry Selection of content Curation of metadata (if necessary) 	Entry mask Ready-made list for selection Entry mask for curation
	Classification metadata Hazards & Health Risks Countries & Regions Themes Landscapes Spatial scale Peer reviewed: yes, no Action Steps Type of Product & Service Year Language	[AR] Automatic research [AI] Automatic import	Manual entry 1. Semi-automatic & automatic entry 2. Manual entry	Entry mask Entry mask for curation

2. Documents/content from external web sites

Content type	Metadata	Methods of content capture	Insertion of Metadata & file	Entry methods/tools
1. Training Events	Descriptive metadata	[MR] Manual research	Manual entry	Entry mask
 Training materials Guidance Case studies Research & scientific publications Products & Services Programmes, Projects, Initiatives 	 Guidance Case studies Research & scientific publications Products & Services Sub-title Author(s) Issue date Editor 	[AR] Automatic research	 Semi-automatic entry Selection of content Curation of metadata 	Ready-made list for selection Entry mask for curation
	Classification metadata	[MR] Manual research	Manual entry	Entry mask
	 Hazards & Health Risks Countries & Regions Themes Landscapes Spatial scale Peer reviewed: yes, no Action Steps Type of Product & Service Year Language 	[AR] Automatic research	Semi-automatic entry Manual entry	Entry mask for curation

3. Data & data sets (external or WHO and WMO)

Data type	Metadata	Methods of content capture	Insertion of Metadata	Entry methods/tools
1. Health Impact	Descriptive metadata ¹	[MR] Manual research	Manual entry	Entry mask for curation
2. Socio-economic data	Title			
3. Historic record of observation:	Sub-title			
climate, water, pollen ectc.	 Brief description 			
4. Monitoring and nowcasting	 Instructions on how to use 			
products: weather, hydrology	data			
5. Forecasts extended	Issue date			
6. Sub seasonal climate forecasts	Owner			
7. Seasonal climate forecasts	 URL of the page 			
8. Inter-annual climate forecasts	•			
9. Decadal climate forecasts	Classification metadata	[MR] Manual research	Manual entry	Entry mask for curation
10. Decade to century climate	Hazards & Health Risks	[ivit] ividiladi resedien	Warrage Citery	Entry mask for caration
information	Countries & Regions			
	Themes			
	Landscapes			
	Spatial scale			
	·			
	Temporal scale Action Stans			
	Action Steps			
	Type of Data & Data sets			

¹ Requirement: it is expected that the contributor selects pages within the web site and not only the data set home page

4. Content for explanatory web pages by WHO/WMO

Content type	Metadata	Methods of content capture	Insertion of Metadata	Entry methods/tools
Web pages with text and images	Descriptive metadata Title Owner Issue date	NA	Automatic during the web page layout/editing	Layout area on the web page ¹
	Classification metadata	NA	NA	NA

¹ Requirement: It is necessary to have a software module enabling to edit and layout content directly on the web page: a CMS using WYSIWIG features including the possibility of adding web page in a hierarchical mode and the capacity to add manually links to contents already inserted into the system (and its database)

5. Awareness documents/content by WHO/WMO

Content type	Metadata	Methods of content capture	Insertion of Metadata & file	Entry methods/tools
 Brochures Flyers Infographs & other visualizations Factsheets Powerpoint presentations Videos Terminology News & Announcements 	Descriptive metadata Title Sub-title Author(s) Issue date Editor ISBN URL File (PDF) Brief description	[MR] Manual research	Manual entry	Entry mask
	Classification metadata Hazards & Health Risks Countries & Regions Themes Landscapes Spatial scale Action Steps Year Language	[MR] Manual research	Manual entry	Entry mask

6. Connect content

Co	ontent type	Metadata	Methods of content capture	Insertion of Metadata & file	Entry methods/tools
1. 2. 3. 4.	Communities of practice Expert teams	Descriptive metadata Name Address Brief description Contact person (s) URL	[MR] Manual research	Manual entry	Entry mask
0 0	National Met Services Data & Service providers	 Classification metadata Hazards & Health Risks Countries & Regions Themes Landscapes Spatial scale Action Steps Type of Organization 	[MR] Manual research	Manual entry	Entry mask

Summary of content type and related capture systems

[MR] Manual research and entry

[AR] Automatic research and semi-automatic entry

[AI] Automatic import

Category of content	Content/document type	Entry methods/tools	Implement Priority Contributo
ocuments/content from external Training events		[MR]	2
web sites	Training materials	[MR]	2
	Guidance	[MR]	2
	Case studies	[MR] [AR]	2
	Research & scientific publications	[MR] [AR] [AI]	2
	Products & Services	[MR] [AR]	1
	Programmes, Projects, Initiatives	[MR]	1
Documents/content from WHO	Training events	[MR]	2
and WMO sites	Training materials	[MR] [AR]	1
	Guidance	[MR] [AR] [AI]	1
	Case studies	[MR] [AR] [AI]	1
	Research & scientific publications	[MR] [AR] [AI]	1
	Products & Services	[MR] [AR] [AI]	1
	Programmes, Projects, Initiatives	[MR]	1
Data & data sets (External or WHO and WMO)	Health Impact	[MR]	1
	Socio-economic data	[MR]	1
	Historic record of observation: climate, water, pollen ectc.	[MR]	1
	Monitoring and nowcasting products: weather, hydrology	[MR]	1
	Forecasts extended	[MR]	1
	Sub seasonal climate forecasts	[MR]	1
	Seasonal climate forecasts	[MR]	1
	Inter-annual climate forecasts	[MR]	1
	Decadal climate forecasts	[MR]	1
	Decade to century climate information	[MR]	1
Content for explanatory web pages by WHO/WMO 1	Web pages with text and images	[MR]	1+
Awareness documents/content by WHO/WMO	Brochures	[MR]	2
	Flyers	[MR]	2
	Infographs & other visualizations	[MR]	1+
	Factsheets	[MR]	1+
	Powerpoints presentations	[MR]	2
	Videos	[MR]	1
	Terminology	[MR]	1
	News & Announcements	[MR]	1+
Connect content	Conference & Meetings	[MR]	2
	Communities of practice	[MR]	1
	Expert teams	[MR]	1
	Organizations	[MR]	1
	Service & data providers	[MR]	1

¹ Note this method is used to implement the sections: "Country & Regions", and the explanatory pages for "Action steps (Develop Products & Services)"

Classification metadata used for faceted navigation

Hazards & Health risks

- Air Pollution
- Air Allergens
- Diseases Communicable, Non-communicable
- Cyclone Hurricane, Tropical Cyclone, Typhoon
- Cold Wave Extreme Cold
- Drought pronounced absence of rainfall
- Heat Wave Extreme Heat
- Flooding *Inundation, Flash Floods*
- Foodborne Outbreaks
- Lightening
- NBC Nuclear, Biological, Chemical
- Sand and Dust
- Solar Radiation
- Storm Thunderstorm, Wind Storm, Winter Storm
- Water Quality
- Wild Fire

Steps to develop Products & Services

- Enabling environment
- Develop Capacity
- Research
- Develop Products & Services
 - Assess
 - o Monitor Risk
 - Anticipate
- Plan & apply
- Evaluation

Type of Products & Services (outputs of Product & service development)

- Assess
 - Vulnerability, risk & adaptation assessments
- Monitor Risk
 - o Risk monitoring and integrated surveillance systems
 - o Core analytics: indicators, thresholds, models, maps
- Anticipate
 - o Risk forecasting tools
 - o Early Warning Systems
 - Projections & scenarios
- Plan & apply
 - o Risk management / communication tools
 - o Adaptation plans
 - Action plans
 - Mitigation plans
 - o Emergency response planning
 - o Decision support

Type of climate data & data sets

- Assess
 - o Health Impact
 - o Socio-economic data
 - Historic record of observation: climate, water, pollen ectc.
- Monitor
 - o Monitoring and nowcasting products: weather, hydrology
 - Forecasts extended
- Anticipate
 - o Sub seasonal climate forecasts
 - Seasonal climate forecasts
 - o Inter-annual climate forecasts
- Prepare
 - o Decadal climate forecasts
 - $\circ \quad \text{Decade to century climate information} \\$

Landscape

- Coastal
- Desert & Arid
- Forest
- Island / SIDS
- Mountain & Polar
- Rural
- Urban

Spatial scale

- Global
- Regional
- Sub-regional
- National
- Sub-national
- Local/City

Time scale

- Daily
- Weekly
- Monthly
- Seasonal
- Annual

Decadal