

# EM-DAT 활용매뉴얼

## □ EM-DAT 개요

- CRED(벨기에 재난역학연구소)에서 제공하는 세계 재해 데이터
- 1900년부터 현재까지 18,000개 이상의 재해 데이터 보유
- 자료출처 : UN기구, 비정부기구, 보험회사, 연구소, 뉴스 등

## □ 데이터 검색 방법

The screenshot shows the EM-DAT website interface. At the top, there is a header with the EM-DAT logo and the text 'The International Disaster Database' and 'Centre for Research on the Epidemiology of Disasters - CRED'. Below the header is a navigation menu with items like Home, About, Database, Explanatory Notes, Publications, Activities, DISDAT, FAQs, Trends, and login. The 'Database' menu item is highlighted with a red box. Below the navigation menu, there is a search bar and a list of search options. The search options are numbered 1 through 6 and include: 1. ADVANCED SEARCH (Create your dataset), 2. COUNTRY PROFILE (Disaster by Country), 3. DISASTER PROFILES (Summary of Events), 4. DISASTER LIST (Generate list events), 5. DISASTER TRENDS (Pre-made graphs), and 6. REFERENCE MAPS (Pre-made maps). To the left of the search options, there is a text box with information about the database, including a note about a complete update, contact information, and a reproduction notice.

- ① ADVANCED SEARCH : 조건(기간, 위치, 재해분류, 그룹) 선택 조회
- ② COUNTRY PROFILE : 국가별 상위 10개 재해 및 재해 종류별 요약정보
- ③ DISASTER PROFILES : 재해별 상위 10개 재해 및 대륙별 요약정보
- ④ DISASTER LIST : 국가, 지역, 대륙에서의 특정 재해목록 정보
- ⑤ DISASTER TRENDS : 연도별 재해발생의 추세 분석
- ⑥ REFERENCE MAPS : 재해 정보에 대한 다양한 지도 제공

## □ 조건선택 및 결과 다운로드

**Advanced Search**

1 • You can sort most columns in the **search results** table by clicking on a column header.  
 • Lists in **Location** section: you can use only one list at a time; selecting from one will reset the others.  
 • **Group results by:** You can use three values at most. To add (select) a value double-click on it in the 'Available' list or select it then click on -> button. Same may to unselect (remove) a value from 'Selected' list

2

3 Save results as CSV file

Year	ISO	Country name	Disaster type	Occurrence	Total deaths	Injured	Affected	Homeless	Total affected
1957	KOR	Korea Rep	Flood	1	247	0	0	0	0
1959	KOR	Korea Rep	Flood	1	62	0	0	0	0
1961	KOR	Korea Rep	Flood	1	249	0	0	0	0
1962	KOR	Korea Rep	Flood	1	290	0	0	0	0
1965	KOR	Korea Rep	Flood	1	323	245	321000	23214	344459
1966	KOR	Korea Rep	Flood	1	95	85	131904	65630	197619
1969	KOR	Korea Rep	Flood	1	408	409	227264	0	227673
1970	KOR	Korea Rep	Flood	1	28	0	7000	0	7000
1972	KOR	Korea Rep	Flood	2	747	839	801500	326000	1128339
1977	KOR	Korea Rep	Flood	2	315	1000	75000	0	76000
1978	KOR	Korea Rep	Flood	1	27	0	2000	0	2000
1984	KOR	Korea Rep	Flood	1	166	187	350984	0	351171
1987	KOR	Korea Rep	Flood	1	50	0	0	154000	154000
1990	KOR	Korea Rep	Flood	1	127	27	189233	0	189260
1991	KOR	Korea Rep	Flood	1	54	36	0	1500	1536
1992	KOR	Korea Rep	Flood	1	5	0	155	123	278
1996	KOR	Korea Rep	Flood	1	85	0	31865	28500	60365
1997	KOR	Korea Rep	Flood	2	15	0	0	115	115
1998	KOR	Korea Rep	Flood	1	403	0	0	121000	121000
1999	KOR	Korea Rep	Flood	1	64	0	24408	5800	30208
2000	KOR	Korea Rep	Flood	2	20	3	500	2586	3089
2001	KOR	Korea Rep	Flood	2	70	0	310000	0	310000
2002	KOR	Korea Rep	Flood	1	21	7	4000	0	4007
				<b>37</b>	<b>4037</b>	<b>2851</b>	<b>2529144</b>	<b>729968</b>	<b>3261963</b>

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- ① 연도, 국가, 재해종류 등 원하는 항목 선택
- ② Search 버튼을 클릭하면 우측에 선택한 항목들의 결과 데이터가 표출
- ③ 결과 데이터를 CVS 파일로 다운로드

## □ 재해분류

Disaster Group	Disaster Subgroup	disaster Main Type	Disaster Sub-Type	Disaster Sub-Sub Type
Natural	Geophysical	Earthquake	Ground Shaking	
			Tsunami	
		Mass Movement	Ash fall	
			Lahar	
			Pyroclastic flow	
			Lawa flow	
	Meteorological	Storm	Extra-tropical storm	
			Tropical storm	
		Convective storm	Derecho	
			Hail	
		Lightning/thunderstorm		
		Rain		

Disaster Group	Disaster Subgroup	disaster Main Type	Disaster Sub-Type	Disaster Sub-Sub Type
				Tornado
				Sand/dust storm
				Winter storm/blizzard
				Storm/surge
				Wind
		Extreme temperature	Cold wave	
			Heat wave	
			Severe winter Conditions	Snow/ice
				Frost/freeze
		Fog		
	Hydrological	Flood	Coastal food	
			Riverine flood	
			Flash flood	
			Ice jam flood	
		Landslide	Avalanche(snow, debris, mudflow, rockfall)	
		Wave action	Rogue wave	
			Seiche	
	Climatological	Drought		
			Glacial Lake Outburst	
		Wildfire	Forest Fire	
			Land fire: Brush, bush, pasture	
	Biological	Epidemic	Viral Disease	
			Bacterial Disease	
			Parasitic Disease	
			Fungal Disease	
			Prion Disease	
		Insect Infestation	Grasshoper	
			Locust	
	Animal Accident			
	Extraterrestrial	Impact	Airburst	
		Space weather	Energetic particles	
			Geomagnetic storm	
			Shockwave	
Technological	Industrial accident	Chemical spill		
		Collapse		

Disaster Group	Disaster Subgroup	disaster Main Type	Disaster Sub-Type	Disaster Sub-Sub Type
		Explosion		
		Fire		
		Gas leak		
		Poisoning		
		Radiation		
		Other		
	Transport accident	Air		
		Road		
		Rail		
		Water		
	Miscellaneous Accident	Collapse		
		Explosion		
		Fire		
		Other		