Regional data sharing Examples of successful data sharing

South-Caucasus EW4All Event 14-15 December 2023





South-East European Multi-Hazard Early Warning Advisory System (SEE-MHEWS) DATA POLICY <u>AGREEMENT</u>

Data Policy Agreement contains:

- Background/Preamble
- Definitions
- Context
- Objectives of the Policy
- Organizations covered by the Policy
- Observation data covered by the Policy
- Monitoring locations covered by the Policy
- Observation data to be exchanged
- Metadata
- Data quality and measurement standard
- Forecasts and advisories to be covered by the Policy
- Access rights and Data Storage
- Use of exchanged data
- Ownership and acknowledgment
- Future harmonization of data and information
- Disputes
- Come into effect
- Changes to the Policy
- Termination and withdrawal



	- 10 -		
Signatures by the representatives of National	Meteorological and Hydr	ological Services	
	Signature //	Date and place	
Director of IGEWE, Albania	Fatos Hoxhaj	Jivene 5.12. Les 9	
Director of FHMZ-FBIH, Bosnia and Herzegovina	Almir Bijedic	TEL NYIU OS. M. ZOID E.	
Director of RHMZ-RS, Bosnia and Herzegovina	tim find	T. AVIV 05. 11 2019.	Director of I
Director General of NIMH, Bulgaria	Hristomir Branzov		Director of I
Director General of DHMZ, Republic of Croatia	Branka Ivančan-Picek	Tel Anid 5.11.2019.	Represental of Moldova
Director of DoM, Cyprus	Kleanthis Nicolaides		Director of North Mace
Director of WDD, Cyprus	Charalambos Hajipakkos		Director Ge Romania
Director General of HNMS, Greece	Nikolaos Vogatzis	TIL 5.11 2019	Director of I
President of OMSZ, Hungary	Dr. Kornélia Radics	Tel Ano. 5112013	Director of Hydrology (
Director of IMS, Israel	Nir Stav	Tel Aviv 5.11.19	of Slovenia
Director of IHS, Israel			Director Ge Republic of
Director of JMD, Jordan	Guy Reshef	- Annonan 6-11-2019	Director of



Director General of ECMWF

Tel Ano 5/11/2019

SEE-MHEWS-A DATA EXCHANGE





GTS (WMO Global telecommunication system)

Stations shown are only from participants that either signed the <u>SEE-MHEWS-A Data Policy</u> or started the NRT submission.

GTS + SEE-MHEWS-A

Stations shown are only from participants that either signed the <u>SEE-MHEWS-A Data Policy</u> or started the NRT submission.



SYNOP OBSERVATIONS – NRT ADDITIONAL



Map shows both non-GTS and more frequent GTS available stations.

	Number of stations - GTS	Number of station - additional	•	Total # of reports/ day - additional
Bosnia				
and Herzegovina	14	63	222	9072
Croatia	40	21	683	2632
Cyprus	4	37	43	5328
Greece	44	11	282	82
Hungary*	30	90	496	2160
Montenegro	6	4	120	80
North Macedonia	17	14	113	2016
Türkiye	122	144	1640	3456
Ukraine	32	123	256	984
Romania	160	3840	26	3744
	469	4347	3881	29554

* Hungary started to exchange all data via GTS after initial exchange under the SEE-MHEWS-A

Table summarizes GTS vs. non-GTS (SEE-MHEWS-A only) stations

✓ Some countries are already sharing all their data via GTS. The SEE-MHEWS-A Data Policy facilitated some countries to go for open data policy e.g. Slovenia and Hungary





Sava River Data Exchange Policy

A legal background for establishement of Sava HIS



<u>HM data exchange policy</u> (savacommission.org)

- Signed by the NHMSs directors in 2014
- WMO resolutions transposed
 - Resolution 25 (Cg-XIII) Exchange of Hydrological Data and Products
 - Resolution 40 (Cg-XII) Policy and Practice for the Exchange of Meteorological and Related Data and Product
- Principles (organizations, monitoring locations, data to be exchanged)
- Routes (procedures, timetable, quality standards, use and redistribution, ownership, charging, future harmonization)
- Organizations (data providers/receivers)
 - Hydro-meteorological services
 - Water / environment agencies
 - Hydropower companies (still pending)
- International legal framework
- National legal framework







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WMO OM



Available stations and data

By Data Policy (2014)

93 <u>hydrological</u> stations

Sava HIS (2023)

Hydrological	BA	HR	ME	RS	SI	Total
Stations	108	131	11	28	32	310

By Data Policy (2014)

53 <u>meteorological</u> stations

Sava HIS (2023)

Meteorologica	BA	HR	ME	RS	SI	Total
I Stations	78	49	5	12	76	220





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now Depth	Daily	
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unshine	Daily (Total)	
tmospheric ressure	Daily	

Thank you wmo.int



