



Evolution of the ECOMET one stop shop

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ECOMET is an Economic Interest Grouping of the National Meteorological Services of the European Economic Area, registration 457163077 at the Tribunal de Commerce in Brussels.



History – The Needs

- ▶ Enable open competition
- ▶ No abuse of dominant position
- ▶ No state subsidies
- ▶ No price fixing
- ▶ Ensure free exchange of data under WMO Resolution 40
- ▶ Access to each other's data and products under license



History - EU Legislation

- ▶ EC Competition Law
- ▶ Directive 80/723/EEC on financial relations between Member States and public undertakings. “The Transparency Directive”
- ▶ Directive 2003/4/EC on the public access to environmental information
- ▶ Directive 2003/98/ EC on the re-use of the public sector information



History – The Solution

- ▶ ECOMET formed December 1995
- ▶ An Economic Interest Grouping (eig) under Belgian Law
- ▶ Based in Brussels
- ▶ For benefit of European NMHSs
- ▶ Current membership 26



The One Stop Shop

The principle

- ▶ A customer can get hold of all the data and products they need from all members
 - ▶ By dealing with only one member
 - ▶ By only needing to have one license
 - ▶ Any shares owed to other Members are distributed through ECOMET





The One Stop Shop

The Creation

- ▶ Members were obliged to list their available data and products
- ▶ The first ECOMET catalogue was created
 - ▶ Paper based
 - ▶ Sent by mail (post)
- ▶ Data were retrieved from GTS
- ▶ Model data delivered by FTP
- ▶ Organising data from other Members took time



The One Stop Shop The Developments

- ▶ Much more data are available
- ▶ The ECOMET catalogue is now electronic!





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Catalogue search tool

The screenshot shows the ECOMET website's search tool. At the top, there is a navigation bar with 'HOME', 'ABOUT US', 'CATALOGUE EXPLAINED', 'CONTACT', and 'USEFUL LINKS'. A search bar is located below the navigation. The main content area includes a sidebar with 'Catalogue search tool', 'Catalogue: Intro', 'Pricing and licensing', and 'Download facilities'. The central part of the page contains information about the catalogue, including a disclaimer that it contains non-chargeable (NC) and chargeable (C) items. Below this, there are sections for 'Catalogue search tool' with filters for 'Countries' and 'Categories'. The 'Countries' filter lists various European countries with checkboxes. The 'Categories' filter lists 'NC Data', 'C Data', 'NC Products', 'C Products', and 'Station List'. At the bottom, there are 'SEARCH' and 'RESET' buttons. The footer contains contact information for the ECOMET Secretariat in Brussels.

http://www.ecomet.eu/ecomet-catalogue/catalogue-search-tool?view=e2etables

1/1

Finland non chargeable products: Single Site (SS) radar images

Originating Country: FINLAND
 National Centre: Finnish Meteorological Institute
 Location: Helsinki

BULLETIN /

DESCRIPTION for	CODE	TIME	WMO	Stations	Lat N	Long E
Single Site images						
			2933	Parainen Rumar	60 13	21 64
500 m level			2975	Vantaa Kaivoksela	60 27	24 87
pseudoCAPPI, 0.5 dBZ			2954	Kouvola Kaipiainen	60 90	27 11
reflectivity	Negotiable	Every 5 minutes	2941	Ikaalinen Hakumäki	61 77	23 08
resolution, 500 m radial and 1 degree horizontal resolution.			2918	Kuopio Rytky	62 86	27 38
			2870	Utajärvi Korkiakangas	64 77	26 32
			2840	Sodankylä Luosto	67 14	26 90
			2925	Vimpeli Lakeaharju	63 10	23 82
			2995	Kitee Kesälähti	61 91	29 80
			2775	Petäjävesi Kintaus	62 30	25 44



DESCRIPTION	NUMBER SS	IMAGES/HOUR	RESOLUTION
Single Site Radars Finland	10	12	0.5km

Met Office UK Atmospheric Hi-Res Model - Un-split file 2



PARAMETERS	CONTENT
Description	Met Office UK Atmospheric Hi-Res Model - Un-split file 2
Surface level parameters	1. low cloud amount
	2. medium cloud amount
	3. high cloud amount
	4. convective cloud base height
	5. convective cloud top height
	6. cloud fraction below 1000r ASL
	7. height lowest cloud base > 3 oktas
	8. snow depth (water equivalent)
	9. wet bulb freezing level height ASL
	10. short wave radiation
	11. long wave radiation
	12. total cloud cover
	13. dry bulb freezing level height
Area	Full domain
Time steps	all available time steps (Hourly, T+0 to T+36)

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The Developments

- ▶ Much more data are available
- ▶ The ECOMET catalogue is now electronic!
- ▶ Technology has made data distribution and retrieval easier
- ▶ Much more data now freely available
- ▶ Meeting customer needs with specific products
 - ▶ GTS dataset
 - ▶ radar composites
- ▶ Retrieving data from other Members can still be time-consuming





The One Stop Shop

The Future Challenges

- ▶ More, eventually all, data will become free of information charge
 - ▶ Vastly increasing the number of customers looking to re-use
- ▶ Data volumes will increase exponentially
 - ▶ Much higher resolution model data
 - ▶ 5 minute radar data
 - ▶ Sub-hourly observations
- ▶ Infrastructure costs for data storage may become prohibitive for some Members
- ▶ Competitors are entering the market with the capability of dealing more easily with larger volumes



The One Stop Shop The Future Solution?

- ▶ Shared Infrastructure costs
 - ▶ Sub-regional?
- ▶ Specialised data distribution centres e.g.
 - ▶ NWP
 - ▶ Radar
 - ▶ Observations
- ▶ Examples already emerging
 - ▶ ECMWF with Copernicus C3S service for climate data
 - ▶ EUMETNET OPERA Programme using cloud technology for archival storage



Questions

Any questions?