

Weather-API

empowered by opendata.dwd.de, driven by opensource

This API contains 3 services

1. query Stations for that we can deliver values
2. query physical measured or forecasted variables
3. combine 1.+2. and query specific weather-variables for a station for point in time or timerange

Service URL	https://hro-du.de/wetter/stations.php		
Version	0.1		
Method	GET		
Description	Stations represent the geographical locations. It's based on this list https://www.dwd.de/DE/leistungen/klimadatenweltweit/stationsverzeichnis.html		
URL Params			
station_id	stations.php?station_id=<Station_ID>		
	optional	no	
	default	none	
	description	- if parameter is omitted, the api will return a list of all available stations - if parameter is set, the api will return details for that station	

Service URL	https://hro-du.de/wetter/variables.php		
Version	0.1		
Method	GET		
Description	Variables represent the physical measured variables. There are different ones for real measurements and forecast values, because the API has different sources for real and forecast values. For convenience the API can combine identical variables, see only_unified-parameter and union_code in response.		
Response	<pre>{ "daily_mean_of_temperature_previous_day": { "description": "mittlere Temperatur (vergangener Tag, 2m)" , "union_code": "UNION_TEMP_AVG_24H" , "unit": "Grad C" , "real_or_forecast": "REAL" } , "dry_bulb_temperature_at_2_meter_above_ground": { "description": "Temperatur (2m)" , "union_code": "UNION_TEMP" , "unit": "Grad C" , "real_or_forecast": "REAL" } , [...] }</pre>		
URL Params			
real	variables.php?real=[0,1]		
	optional	yes	
	default	1	
	description	control output of real-measured variables 0 = exclude real-measured variables 1 = include	
forecast	variables.php?forecast=[0,1]		
	optional	yes	
	default	1	
	description	control output of forecasted physical variables 0 = exclude	

		1 = include
only_unified	variables.php?only_unified=[0,1]	
	optional	yes
	default	0
	description	Because there are different variables available for real- and forecast-measurements, we combine those who are identical. 0 = include non-unified variables 1 = exclude non-unified variables

Service URL	https://hro-du.de/wetter/weather.php	
Version	TODO	
Method	GET	
Description	Query real and forecasted weather data	
URL Params		
station_id	https://hro-du.de/wetter/weather.php?station_id=10170	
	optional	no
	default	none
	description	DWD-ID of the station that you want the data for
unix_time_from	https://hro-du.de/wetter/weather.php?station_id=10170&unix_time_from=948916800	
	optional	yes
	default	current time
	description	beginning of timerange for queried values
unix_time_until	https://hro-du.de/wetter/weather.php?station_id=10170&unix_time_until=948916800	
	optional	yes
	default	next 3 days
	description	end of timerange for queried values
variables	https://hro-du.de/wetter/weather.php?station_id=10170?variables=daily_mean_of_temperature_previous_day,UNION_TEMP	
	will query the real-measured variable daily_mean_of_temperature_previous_day and the unified variable UNION_TEMP for station 10170	
	optional	yes
	default	unified variables; query variables.php?only_unified=1
	description	variable or unified code of physical variable; comma-separated list is possible