



Project Number 288094

## **eCOMPASS**

eCO-friendly urban **M**ulti-modal route **P**lanning **S**ervices for mobile **u**Sers

STREP

Funded by EC, INFSO-G4(ICT for Transport) under FP7

**eCOMPASS – TR – 037**

# **List of available Weather APIs and Web services**

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eCO-friendly urban Multi-modal route PLanning Services for mobile uSers

## FP7 - Information and Communication Technologies

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### Technical Report: List of available Weather APIs and Web services

**Responsible Partner:** CERTH  
**Contributing Partners:** CERTH

**Nature:**  Report  Prototype  Demonstrator  Other

**Dissemination Level:**

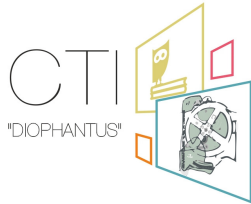
- PU : Public  
 PP : Restricted to other programme participants (including the Commission Services)  
 RE : Restricted to a group specified by the consortium (including the Commission Services)  
 CO : Confidential, only for members of the consortium (including the Commission Services)

**Keyword List:** web site, fact sheet, user guide, social media, project management



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### List of available Weather APIs and Web services

No.	API Name	Description	API URL	Data Format	Protocol	License
1	AccuWeather	Weather forecast service	<a href="http://www.accuweather.com/">http://www.accuweather.com/</a>		?	?
2	CDYNE Weather (14 APIs)	Weather forecasting service	<a href="http://wsf.cdyne.com/WeatherWS/Weather.aspx?">http://wsf.cdyne.com/WeatherWS/Weather.aspx?</a>	XML	SOAP	Public
3	Dark Sky	Short term weather forecasting service	<a href="https://developer.darkskyapp.com/">https://developer.darkskyapp.com/</a>	JSON	REST	The first 10,000 API calls you make every day are free. 1\$ per 1,000 extra calls.
4	Daymet	Daily weather and climatological summary service	<a href="http://www.daymet.org/default.jsp">http://www.daymet.org/default.jsp</a>	XML	SOAP	Free
5	eKlima	Norwegian weather and climate data service	<a href="http://eklima.no/wsKlima/start/start_en.html">http://eklima.no/wsKlima/start/start_en.html</a>	XML	SOAP	?
6	Foreca	Weather forecasting service	<a href="http://corporate.foreca.com/en/products/foreca-weatherapi/">http://corporate.foreca.com/en/products/foreca-weatherapi/</a>	XML, ASCII	REST	Proprietary
7	George Vustrey Weather	Weather forecasting service	<a href="https://www.mashape.com/george-vustrey/Weather">https://www.mashape.com/george-vustrey/Weather</a>	JSON	HTTP	Free
8	HAMweather Aeris	Weather data service	<a href="http://www.hamweather.com/support/documentation/aeris/">http://www.hamweather.com/support/documentation/aeris/</a>	JSON	REST	Free, registration required.
9	Met Office WOW	UK weather and climate data service	<a href="http://wow.metoffice.gov.uk/support?category=dataformats">http://wow.metoffice.gov.uk/support?category=dataformats</a>	JSON, XML	REST	Free
10	Meteostone Weather	Crowd-sourced	<a href="http://meteostone.com/api/">http://meteostone.com/api/</a>	XML	HTTP	Free,

No.	API Name	Description	API URL	Data Format	Protocol	License
	API	network of local weather data.				registration required.
11	Metwit Weather and Forecast	Real-time crowdsourced weather API	<a href="http://metwit.com/developers">http://metwit.com/developers</a>	JSON	REST	FREE
12	National Weather Service NDFD	U.S. national digital weather forecast service	<a href="http://graphical.weather.gov/xml/">http://graphical.weather.gov/xml/</a>	XML	SOAP, REST	Free
13	Navlost NWX Weather	Consolidated weather information service	<a href="http://www.navlost.eu/nwxs/doc/desc">http://www.navlost.eu/nwxs/doc/desc</a>	XML	REST	Limited, Free, Commercial
14	NCEP Forecast	Aggregated weather forecast service	<a href="http://www.webservice-energy.org/web-services/w3c-web-services/ncep-forecast-w3c">http://www.webservice-energy.org/web-services/w3c-web-services/ncep-forecast-w3c</a>	XML	SOAP	Free
15	NCEP North American Mesoscale	Weather data retrieval and forecasting service	<a href="http://river.sdsc.edu/wiki/(X(1)S(4j0u3e55m4n_yrlawaa5lkabo))/Default.aspx?Page=NCEP%20North%20American%20Mesoscale%20(NAM)&amp;NS=&amp;AspxAutoDetectCookieSupport=1">http://river.sdsc.edu/wiki/(X(1)S(4j0u3e55m4n_yrlawaa5lkabo))/Default.aspx?Page=NCEP%20North%20American%20Mesoscale%20(NAM)&amp;NS=&amp;AspxAutoDetectCookieSupport=1</a>	XML	SOAP	Free
16	GOES Space Environment Monitor	Satellite weather data service	<a href="http://www.ngdc.noaa.gov/goes/sem/">http://www.ngdc.noaa.gov/goes/sem/</a>	XML, JSON, CSV	REST	Free
17	Norway Weather	Weather data service	<a href="http://api.yr.no/weatherapi/documentation">http://api.yr.no/weatherapi/documentation</a>	XML	REST	Free
18	Norwegian Meteorological Institute	Norway weather forecasting and reporting service	<a href="http://api.met.no/#english">http://api.met.no/#english</a>	XML	REST	Free
19	Open Weather Map	Weather mapping service	<a href="http://openweathermap.org/API">http://openweathermap.org/API</a>	JSON	REST	Free
20	World Weather Online	Global weather information services	<a href="http://www.worldweatheronline.com/free-weather-feed.aspx">http://www.worldweatheronline.com/free-weather-feed.aspx</a>	XML, JSON,	REST	Free Local Weather API

No.	API Name	Description	API URL	Data Format	Protocol	License
21	Previmeteo Weather	Weather forecasting service	<a href="http://en.previmeteo.com/professionals/google-weather-api.php">http://en.previmeteo.com/professionals/google-weather-api.php</a>	XML	REST	Free
22	RestFul Web Services Weather Forecast	Weather forecasting service	<a href="http://www.restfulwebservices.net/Service.aspx?ID=25">http://www.restfulwebservices.net/Service.aspx?ID=25</a>	XML	SOAP, REST	Free
23	Tenki	Japan weather	<a href="http://tenkiapi.jp/">http://tenkiapi.jp/</a>	XML, JSON	REST	?
24	Weather Central	XML Weather feed	<a href="http://dataapi.wxc.com/">http://dataapi.wxc.com/</a>	XML	REST	Commercial
25	Weather Channel	Weather forecast data	<a href="http://www.weather.com/services/xmloap.html">http://www.weather.com/services/xmloap.html</a>	XML	REST	?
26	Weather Decision Technologies	Weather content provider	<a href="http://tac.wdtinc.com/services.html">http://tac.wdtinc.com/services.html</a>			Commercial
27	Weather Underground	Weather forecast service	<a href="http://www.wunderground.com/weather/api">http://www.wunderground.com/weather/api</a>	JSON	REST	Free, requires registration
28	Weather2	Weather forecasting service	<a href="http://www.myweather2.com/developer/">http://www.myweather2.com/developer/</a>	JSON, XML	REST	Free, requires registration
29	WeatherBug	Weather forecasting service	<a href="http://weather.weatherbug.com/desktop-weather/api.html">http://weather.weatherbug.com/desktop-weather/api.html</a>	Image	REST	Personal Free, Professional Commercial
30	Yahoo!	Weather data service	<a href="http://developer.yahoo.com/weather/">http://developer.yahoo.com/weather/</a>	XML, RSS	REST	Free limited