

Web service for macroseismic data (online testimonies)

Usage

example 1 – La Rochelle earthquake (28/04/2016 06:46:51)

<http://www.franceseisme.fr/ws-macro.php?token=token&datetime=2016-04-28T06:46:51>

example 2 – La Rochelle earthquake (28/04/2016 06:46:51) ; 30 km search radius around earthquake

[.../ws-macro.php?token=token&datetime=2016-04-28T06:46:51&latitude=46.04&longitude=-1.04&radius=30](http://www.franceseisme.fr/ws-macro.php?token=token&datetime=2016-04-28T06:46:51&latitude=46.04&longitude=-1.04&radius=30)

example 3 – La Rochelle earthquake (28/04/2016 06:46:51) ; format json

<http://www.franceseisme.fr/ws-macro.php?token=token&datetime=2016-04-28T06:46:51&format=json>

example 4 – Mayotte earthquake (30/05/2018 05:54:01)

[.../ws-macro.php?token=token&datetime=2018-05-30T05:54:01&latitude=-12.75&longitude=45.71](http://www.franceseisme.fr/ws-macro.php?token=token&datetime=2018-05-30T05:54:01&latitude=-12.75&longitude=45.71)

example 5 – Antigua earthquake (17/04/2018 20:26:00) with testimonies « only » from Guadeloupe

[.../ws-macro.php?token=token&datetime=2018-04-17T20:26:00&latitude=16.25&longitude=-61.58&radius=40](http://www.franceseisme.fr/ws-macro.php?token=token&datetime=2018-04-17T20:26:00&latitude=16.25&longitude=-61.58&radius=40)

example 6 – Vanuatu earthquake (13/07/2018 09:46:49) not in BCSF list of earthquakes

[.../ws-macro.php?token=token&datetime=2018-07-13T09:46:49&latitude=-18.93&longitude=169.05](http://www.franceseisme.fr/ws-macro.php?token=token&datetime=2018-07-13T09:46:49&latitude=-18.93&longitude=169.05)

Parameters

name	values	example	description/comments
token			<i>ask BCSF</i>
datetime	valid datetime	2018-03-14T12:46:00	utc datetime of the earthquake
latitude	float between -90.0 and 90.0	43.1	latitude to be used for radius search <i>needs longitude</i>
longitude	float between -180.0 and 180.0	-0.7	longitude to be used for radius search <i>needs latitude</i>
radius	integer between 1 and 1200	45	radius search - <i>in kilometers</i> - <i>needs latitude and longitude</i> - <i>default=50</i>
format	xml, json		output format - <i>format used by Shakemap</i> - <i>default=xml</i>

- NB:
- highlighted yellow parameters are mandatory
 - latitude and longitude are mandatory for research overseas (see next page)
 - if no latitude/longitude given, the research will be done only inside metropole
 - the search for the earthquake is more or less 2 minutes from the given date
 - the search for felt times (testimonies not attributed to an earthquake; Idsei=196) is carried out more or less 10 minutes from the given date
 - the mean intensity is rounded down to integer towards zero, when it is half way there (making 2.5 into 2 for example)

Overseas : 5 zones have been defined for research

Antilles – Guyane :	30°N 75°W — 40°W 10°S	Antilles (Guadeloupe, Martinique, Saint-Martin, Saint-Barthélemy) : UTC-4 Guyane : UTC-3
Saint-Pierre-et-Miquelon :	55°N 75°W — 45°W 35°N	UTC-3 (DST : UTC-2)
Réunion - Mayotte :	0°N 30°E — 70°E 30°S	Réunion : UTC+4 Mayotte : UTC+3
Nouvelle-Calédonie - Wallis-et-Futuna :	0°N 150°E — 165°W 30°S	Nouvelle-Calédonie : UTC+11 Wallis-et-Futuna : UTC+12
Polynésie :	0°N 165°W — 120°W 35°S	Polynésie (except Gambier and Marqueses) : UTC-10 Iles Marqueses : UTC-9:30 Iles Gambier : UTC-9