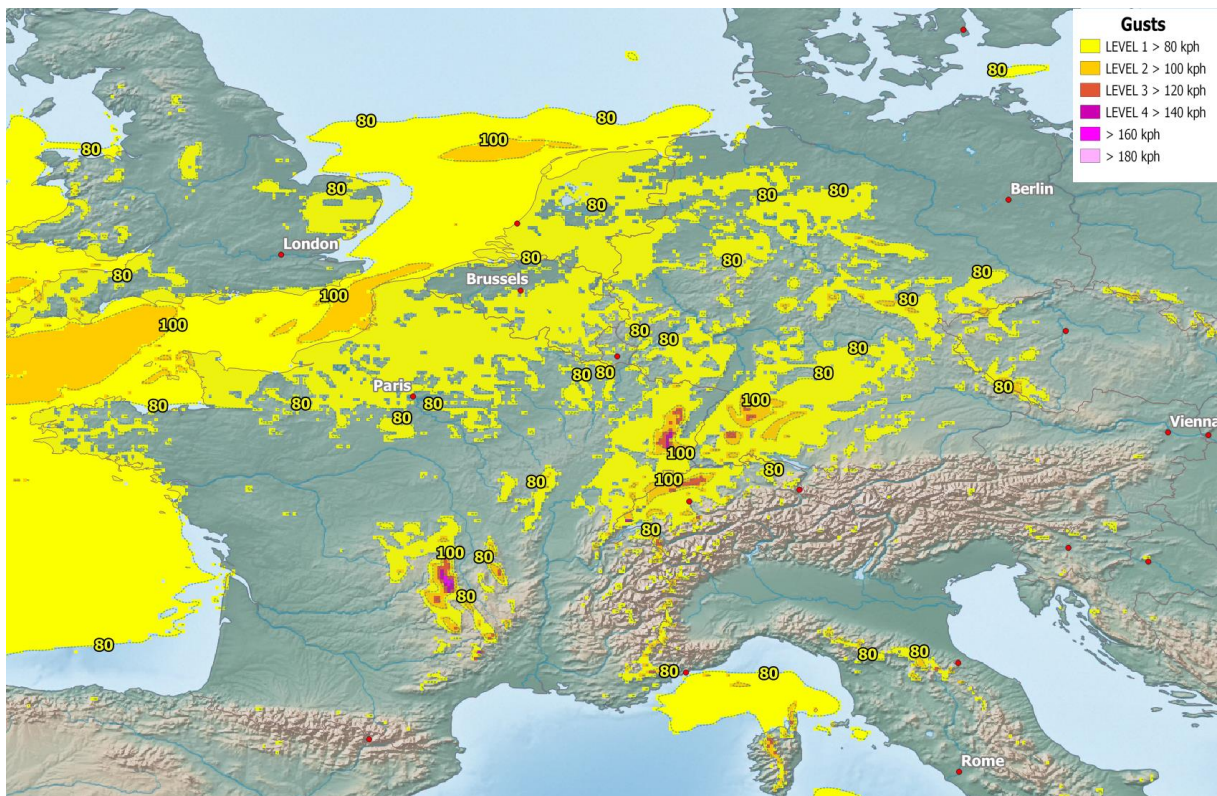


Information Sheet #1

12 March 2021, 09:30 UTC

Event: Extratropical Storm “Luis”

- Date: 13 March 2021
- Area affected: Central Europe (particularly SW-Germany)
- Based on: ICON EU, 12 March 2021, 00 UTC



Maximum gusts in kph 13 March 2021. (INIT: 12 March 2021, 00 UTC. ICON-EU). Image: B. Mühr

Overview GERMANY:

Warning Level	Gusts kph	POP_affected number	POP_affected %	Area affected qkm	Area affected %	Cities e.g.
0	< 80	56,845,738	68.5	252,535	71.4	Berlin, Hamburg, München, Köln
1	80-100	24,513,569	29.5	95,823	27.1	Bremen, Düsseldorf, Nürnberg
2	100-120	1,552,914	1.9	4,780	1.4	Stuttgart, FDS, Herrenberg
3	120-140	56,239	0.1	433	0.1	Schonach, St. Georgen, Simmersfeld
4	> 140	0	0.0	0	0.0	***

Major Cities – GERMANY (Forecast maximum wind gusts 11 March 2021 and Warning Level):

Name	Area	Population	Pop. Density	ZIP	LON	LAT	Travel Area	Gust/WL
Berlin	891.1	3,644,826	4090	10178	13.4	52.5	Berlin	66.0
Hamburg	755.1	1,841,179	2438	20038	10.0	53.6	Hamburg	68.5
München	310.7	1,471,508	4736	80313	11.6	48.1	Landeshauptstadt München	68.0
Köln	405.0	1,085,664	2681	50667	7.0	50.9	Köln und Rhein-Erft-Kreis	73.2
Frankfurt/M	248.3	753,056	3033	60311	8.7	50.1	Main und Taunus	72.5
Stuttgart	207.3	634,830	3062	70173	9.2	48.8	Region Stuttgart	106.3
Düsseldorf	217.4	619,294	2849	40213	6.8	51.2	Düsseldorf und Kreis Mettmann	81.2
Leipzig	297.8	587,857	1974	04109	12.4	51.3	Stadt Leipzig	69.1
Dortmund	280.7	587,010	2091	44135	7.5	51.5	Ruhrgebiet	72.7
Essen	210.3	583,109	2772	45127	7.0	51.5	Ruhrgebiet	79.3
Bremen	317.8	569,352	1791	28195	8.8	53.1	Bremen	81.1
Dresden	328.5	554,649	1689	01067	13.7	51.1	Stadt Dresden	57.2
Hannover	204.3	538,068	2634	30159	9.7	52.4	Hannover-Hildesheim	81.5
Nürnberg	186.4	518,365	2780	90403	11.1	49.5	Städteregion Nürnberg	88.3
Duisburg	232.8	498,590	2142	47051	6.8	51.4	Niederrhein	82.8
Bochum	145.7	364,628	2503	44787	7.2	51.5	Ruhrgebiet	76.8
Wuppertal	168.4	354,382	2105	42275	7.2	51.3	Bergisches Städtedreieck	80.1
Bielefeld	258.8	333,786	1290	33597	8.5	52.0	Teutoburger Wald	82.0
Bonn	141.1	327,258	2320	53111	7.1	50.7	Bonn und Rhein-Sieg-Kreis	67.3
Münster	303.3	314,319	1036	48127	7.6	52.0	Münsterland	74.5
Karlsruhe	173.4	313,092	1805	76124	8.4	49.0	Nördlicher Schwarzwald	83.4
Mannheim	145.0	309,370	2134	68159	8.5	49.5	Nördliches Baden-Württemberg	72.2
Augsburg	146.8	295,135	2010	86150	10.9	48.4	Bayerisch-Schwaben	76.7
Wiesbaden	203.9	278,342	1365	65183	8.2	50.1	Rheingau-Taunus	74.8
M'gladbach	170.5	261,454	1534	41061	6.4	51.2	Niederrhein	84.2
Gelsenkirchen	104.9	260,654	2484	45879	7.1	51.5	Ruhrgebiet	77.5
Braunschweig	192.7	248,292	1288	38100	10.5	52.3	Braunschweiger Land	85.7
Kiel	118.7	247,548	2086	24103	10.1	54.3	Ostsee	62.5
Aachen	160.8	247,380	1538	52062	6.1	50.8	Eifel und Region Aachen	73.9
Chemnitz	221.0	247,235	1119	09111	12.9	50.8	Stadt Chemnitz	79.2
Halle (Saale)	135.0	239,257	1772	06108	12.0	51.5	Halle, Saale, Unstrut	67.5
Magdeburg	201.0	238,697	1187	39104	11.6	52.1	Magdeburg, Elbe-Börde-Heide	65.9
Freiburg	153.0	230,241	1504	79098	7.8	48.0	Südlicher Schwarzwald	74.4
Krefeld	137.8	227,020	1648	47798	6.6	51.3	Niederrhein	86.4
Lübeck	214.2	217,198	1014	23552	10.7	53.9	Ostsee	71.6
Mainz	97.7	217,118	2222	55116	8.3	50.0	Rheinhessen	71.4
Erfurt	269.9	213,699	792	99084	11.0	51.0	Städte Eisenach, Erfurt, Jena, Weimar	82.5
Oberhausen	77.1	210,829	2735	46045	6.9	51.5	Ruhrgebiet	77.3
Rostock	181.4	208,886	1152	18055	12.1	54.1	Mecklenburgische Ostseeküste	63.8
Kassel	106.8	201,585	1888	34117	9.5	51.3	Kassel- Land	72.0

Overview Europe:

Affected	Germany	France	
Pop. Number	56,845,738	49,376,729	Level 0
Pop. %	68.5	75.6	
Area qkm	252,535	406,092	
Area %	71.4	74.7	
Pop. Number	24,513,569	15,263,365	Level 1
Pop. %	29.5	23.4	
Area qkm	95,823	125,638	
Area %	27.1	23.1	Level 2
Pop. Number	1,552,914	549,496	
Pop. %	1.9	0.8	
Area qkm	4,780	9,350	
Area %	1.4	1.7	Level 3
Pop. Number	56,239	74,495	
Pop. %	0.1	0.1	
Area qkm	433	2,228	
Area %	0.1	0.4	Level 4
Pop. Number	0	9,428	
Pop. %	0.0	0.0	
Area qkm	0	656	
Area %	0.0	0.1	

Comments / Additional Information:

France/Germany:

- Warning level 4 (> gusts > 140 kph): Only small areas and few people in FR (Vosges, Massif Central)
- Most intense wind gusts associated with passage of cold front (and embedded thunderstorms)