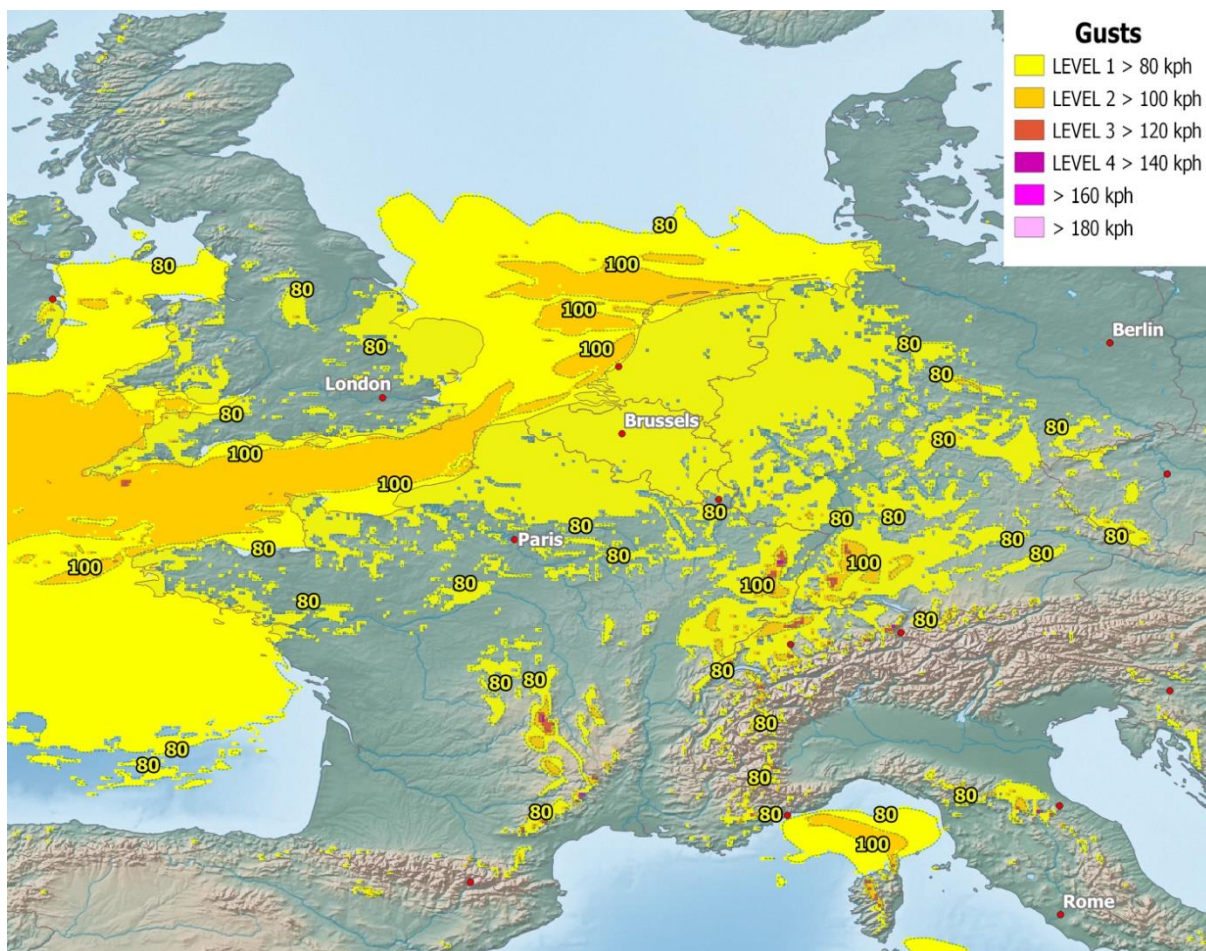


Information Sheet #2 - Final

13 March 2021, 08:20 UTC

Event: Extratropical Storm "Luis"

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



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

Overview GERMANY:

Warning Level	Gusts kph	POP_affected number	POP_affected %	Area qkm	Area %	Cities e.g.
0	< 80	46,627,693	56.2	225,999	63.9	Berlin, Hamburg, München, Leipzig
1	80-100	35,531,648	42.8	122,213	34.6	Köln, Frankfurt/M., Stuttgart, Essen
2	100-120	771,914	0.9	5,037	1.4	Albstadt, Herrenberg, Horb
3	120-140	37,205	0.0	321	0.1	Schonach, St. Georgen, Simmersfeld
4	> 140	0	0.0	0	0.0	***

Major Cities – GERMANY (Forecast maximum wind gusts 13 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	55.2
Hamburg	755.1	1,841,179	2438	20038	10.0	53.6	Hamburg	77.1
München	310.7	1,471,508	4736	80313	11.6	48.1	Landeshauptstadt München	73.0
Köln	405.0	1,085,664	2681	50667	7.0	50.9	Köln und Rhein-Erft-Kreis	80.5
Frankfurt/M	248.3	753,056	3033	60311	8.7	50.1	Main und Taunus	81.1
Stuttgart	207.3	634,830	3062	70173	9.2	48.8	Region Stuttgart	98.9
Düsseldorf	217.4	619,294	2849	40213	6.8	51.2	Düsseldorf und Kreis Mettmann	86.0
Leipzig	297.8	587,857	1974	04109	12.4	51.3	Stadt Leipzig	75.2
Dortmund	280.7	587,010	2091	44135	7.5	51.5	Ruhrgebiet	84.6
Essen	210.3	583,109	2772	45127	7.0	51.5	Ruhrgebiet	82.3
Bremen	317.8	569,352	1791	28195	8.8	53.1	Bremen	82.2
Dresden	328.5	554,649	1689	01067	13.7	51.1	Stadt Dresden	54.0
Hannover	204.3	538,068	2634	30159	9.7	52.4	Hannover-Hildesheim	79.6
Nürnberg	186.4	518,365	2780	90403	11.1	49.5	Städteregion Nürnberg	75.6
Duisburg	232.8	498,590	2142	47051	6.8	51.4	Niederrhein	83.8
Bochum	145.7	364,628	2503	44787	7.2	51.5	Ruhrgebiet	81.1
Wuppertal	168.4	354,382	2105	42275	7.2	51.3	Bergisches Städtedreieck	86.1
Bielefeld	258.8	333,786	1290	33597	8.5	52.0	Teutoburger Wald	85.1
Bonn	141.1	327,258	2320	53111	7.1	50.7	Bonn und Rhein-Sieg-Kreis	73.3
Münster	303.3	314,319	1036	48127	7.6	52.0	Münsterland	87.3
Karlsruhe	173.4	313,092	1805	76124	8.4	49.0	Nördlicher Schwarzwald	79.7
Mannheim	145.0	309,370	2134	68159	8.5	49.5	Nördliches Baden-Württemberg	73.5
Augsburg	146.8	295,135	2010	86150	10.9	48.4	Bayerisch-Schwaben	76.1
Wiesbaden	203.9	278,342	1365	65183	8.2	50.1	Rheingau-Taunus	72.7
M'gladbach	170.5	261,454	1534	41061	6.4	51.2	Niederrhein	90.9
Gelsenkirchen	104.9	260,654	2484	45879	7.1	51.5	Ruhrgebiet	80.2
Braunschweig	192.7	248,292	1288	38100	10.5	52.3	Braunschweiger Land	80.7
Kiel	118.7	247,548	2086	24103	10.1	54.3	Ostsee	66.5
Aachen	160.8	247,380	1538	52062	6.1	50.8	Eifel und Region Aachen	81.2
Chemnitz	221.0	247,235	1119	09111	12.9	50.8	Stadt Chemnitz	74.2
Halle (Saale)	135.0	239,257	1772	06108	12.0	51.5	Halle, Saale, Unstrut	74.2
Magdeburg	201.0	238,697	1187	39104	11.6	52.1	Magdeburg, Elbe-Börde-Heide	64.6
Freiburg	153.0	230,241	1504	79098	7.8	48.0	Südlicher Schwarzwald	70.0
Krefeld	137.8	227,020	1648	47798	6.6	51.3	Niederrhein	88.1
Lübeck	214.2	217,198	1014	23552	10.7	53.9	Ostsee	70.6
Mainz	97.7	217,118	2222	55116	8.3	50.0	Rheinhessen	74.8
Erfurt	269.9	213,699	792	99084	11.0	51.0	Städte Eisenach, Erfurt, Jena, Weimar	78.8
Oberhausen	77.1	210,829	2735	46045	6.9	51.5	Ruhrgebiet	82.3
Rostock	181.4	208,886	1152	18055	12.1	54.1	Mecklenburgische Ostseeküste	63.0
Kassel	106.8	201,585	1888	34117	9.5	51.3	Kassel- Land	70.2

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)