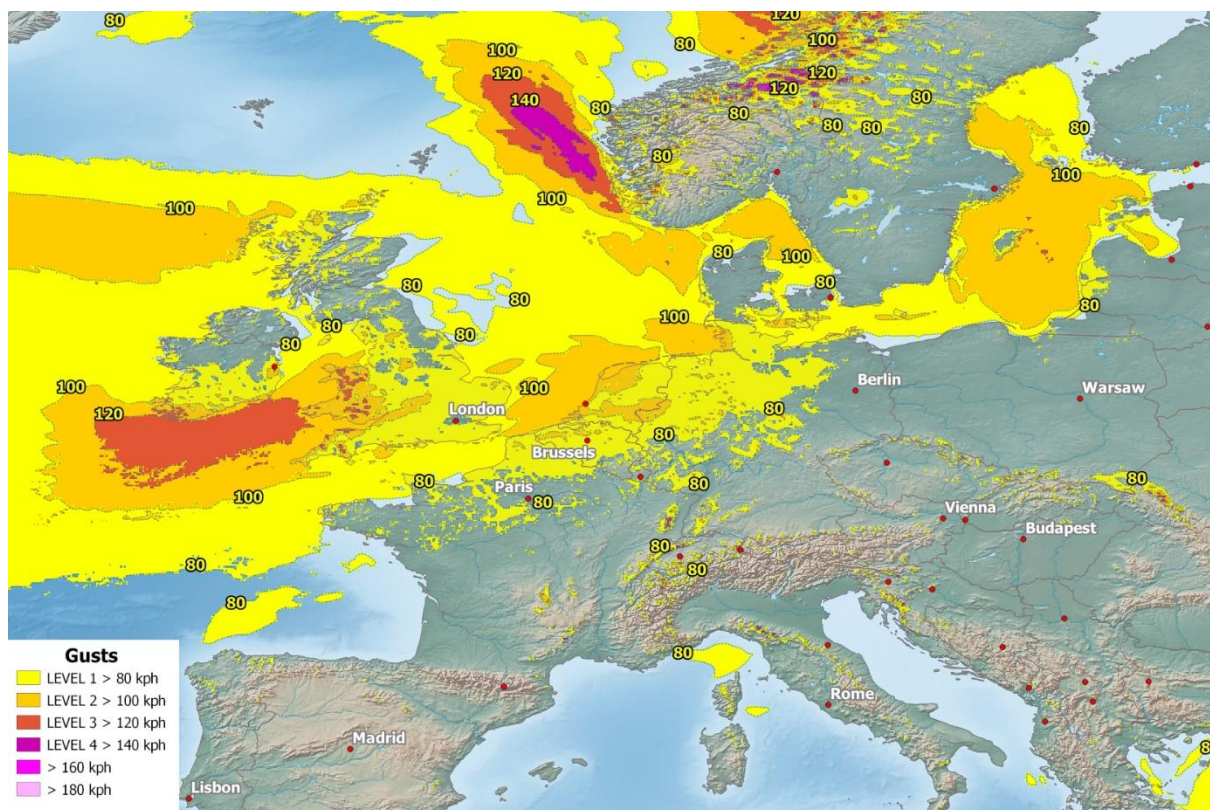


Information Sheet #4 - Final

11 March 2021, 09:30 UTC

Event: Extratropical Storm “Klaus”

- Date: 10/11 March 2021
- Area affected: Western / Central Europe
- Based on: ICON EU, 11 March 2021, 00 UTC



Maximum gusts in kph 11 March 2021. (INIT: 11 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	51,039,291	61.5	223,853	63.3	Berlin, Köln, München, Frankfurt/M.
1	80-100	29,542,412	35.6	120,064	34.0	Hamburg, Düsseldorf, Dortmund
2	100-120	2,358,958	2.8	9,557	2.7	Bremen, Bocholt, Cuxhaven
3	120-140	27,799	0.0	97	0.0	Bad Harzburg, Braunlage
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	75.8
Hamburg	755.1	1,841,179	2438	20038	10.0	53.6	Hamburg	82.9
München	310.7	1,471,508	4736	80313	11.6	48.1	Landeshauptstadt München	61.4
Köln	405.0	1,085,664	2681	50667	7.0	50.9	Köln und Rhein-Erft-Kreis	69.0
Frankfurt/M	248.3	753,056	3033	60311	8.7	50.1	Main und Taunus	69.9
Stuttgart	207.3	634,830	3062	70173	9.2	48.8	Region Stuttgart	64.9
Düsseldorf	217.4	619,294	2849	40213	6.8	51.2	Düsseldorf und Kreis Mettmann	91.5
Leipzig	297.8	587,857	1974	04109	12.4	51.3	Stadt Leipzig	60.2
Dortmund	280.7	587,010	2091	44135	7.5	51.5	Ruhrgebiet	93.6
Essen	210.3	583,109	2772	45127	7.0	51.5	Ruhrgebiet	95.0
Bremen	317.8	569,352	1791	28195	8.8	53.1	Bremen	102.0
Dresden	328.5	554,649	1689	01067	13.7	51.1	Stadt Dresden	48.2
Hannover	204.3	538,068	2634	30159	9.7	52.4	Hannover-Hildesheim	91.1
Nürnberg	186.4	518,365	2780	90403	11.1	49.5	Städteregion Nürnberg	49.8
Duisburg	232.8	498,590	2142	47051	6.8	51.4	Niederrhein	95.3
Bochum	145.7	364,628	2503	44787	7.2	51.5	Ruhrgebiet	93.7
Wuppertal	168.4	354,382	2105	42275	7.2	51.3	Bergisches Städtedreieck	97.9
Bielefeld	258.8	333,786	1290	33597	8.5	52.0	Teutoburger Wald	96.0
Bonn	141.1	327,258	2320	53111	7.1	50.7	Bonn und Rhein-Sieg-Kreis	66.9
Münster	303.3	314,319	1036	48127	7.6	52.0	Münsterland	90.6
Karlsruhe	173.4	313,092	1805	76124	8.4	49.0	Nördlicher Schwarzwald	63.2
Mannheim	145.0	309,370	2134	68159	8.5	49.5	Nördliches Baden-Württemberg	55.3
Augsburg	146.8	295,135	2010	86150	10.9	48.4	Bayerisch-Schwaben	59.9
Wiesbaden	203.9	278,342	1365	65183	8.2	50.1	Rheingau-Taunus	68.7
M'gladbach	170.5	261,454	1534	41061	6.4	51.2	Niederrhein	95.6
Gelsenkirchen	104.9	260,654	2484	45879	7.1	51.5	Ruhrgebiet	92.8
Braunschweig	192.7	248,292	1288	38100	10.5	52.3	Braunschweiger Land	95.7
Kiel	118.7	247,548	2086	24103	10.1	54.3	Ostsee	88.3
Aachen	160.8	247,380	1538	52062	6.1	50.8	Eifel und Region Aachen	88.7
Chemnitz	221.0	247,235	1119	09111	12.9	50.8	Stadt Chemnitz	69.1
Halle (Saale)	135.0	239,257	1772	06108	12.0	51.5	Halle, Saale, Unstrut	78.3
Magdeburg	201.0	238,697	1187	39104	11.6	52.1	Magdeburg, Elbe-Börde-Heide	70.6
Freiburg	153.0	230,241	1504	79098	7.8	48.0	Südlicher Schwarzwald	64.3
Krefeld	137.8	227,020	1648	47798	6.6	51.3	Niederrhein	94.2
Lübeck	214.2	217,198	1014	23552	10.7	53.9	Ostsee	81.0
Mainz	97.7	217,118	2222	55116	8.3	50.0	Rheinhessen	75.3
Erfurt	269.9	213,699	792	99084	11.0	51.0	Städte Eisenach, Erfurt, Jena, Weimar	77.3
Oberhausen	77.1	210,829	2735	46045	6.9	51.5	Ruhrgebiet	94.0
Rostock	181.4	208,886	1152	18055	12.1	54.1	Mecklenburgische Ostseeküste	75.1
Kassel	106.8	201,585	1888	34117	9.5	51.3	Kassel- Land	71.0

Overview Europe:

Affected	Germany	France	UK	Ireland	NL	Belgium	Denmark	
Pop. Number	51,039,291	55,385,340	23,813,803	1,322,320	0	417,023	4,839,570	Level 0
Pop. %	61.5	84.9	35.1	26.8	0.0	3.6	83.6	
Area qkm	223,853	462,958	82,409	27,898	0	5,072	32,361	
Area %	63.3	85.1	34.0	39.7	0.0	16.5	75.4	
Pop. Number	29,542,412	9,701,550	38,509,416	3,011,368	10,279,708	9,837,811	899,822	Level 1
Pop. %	35.6	14.9	56.7	61.0	60.0	84.9	15.5	
Area qkm	120,064	76,831	122,289	31,771	24,456	22,602	9,457	
Area %	34.0	14.1	50.4	45.2	58.9	73.6	22.0	
Pop. Number	2,358,958	159,375	5,268,792	544,318	6,855,165	1,334,782	52,811	Level 2
Pop. %	2.8	0.2	7.8	11.0	40.0	11.5	0.9	
Area qkm	9,557	3,356	32,537	8,591	17,087	3,015	1,115	
Area %	2.7	0.6	13.4	12.2	41.1	9.8	2.6	
Pop. Number	27,799	18,141	293,531	59,790	0	0	0	Level 3
Pop. %	0.0	0.0	0.4	1.2	0.0	0.0	0.0	
Area qkm	97	515	5,206	2,013	0	0	0	
Area %	0.0	0.1	2.1	2.9	0.0	0.0	0.0	
Pop. Number	0	9,106	461	0	0	0	0	Level 4
Pop. %	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Area qkm	0	303	54	0	0	0	0	
Area %	0.0	0.1	0.0	0.0	0.0	0.0	0.0	

Comments / Additional Information:

Germany:

- Most affected on 11 March
- Affected area / pop. in total: unchanged to previous model runs.
- Affected area / population warning level 2 has increased

Western Europe:

- Most affected on 10 March 2021
- Warning level 4 (> gusts > 140 kph): Only small portions and few people in UK, FR (Vosges)