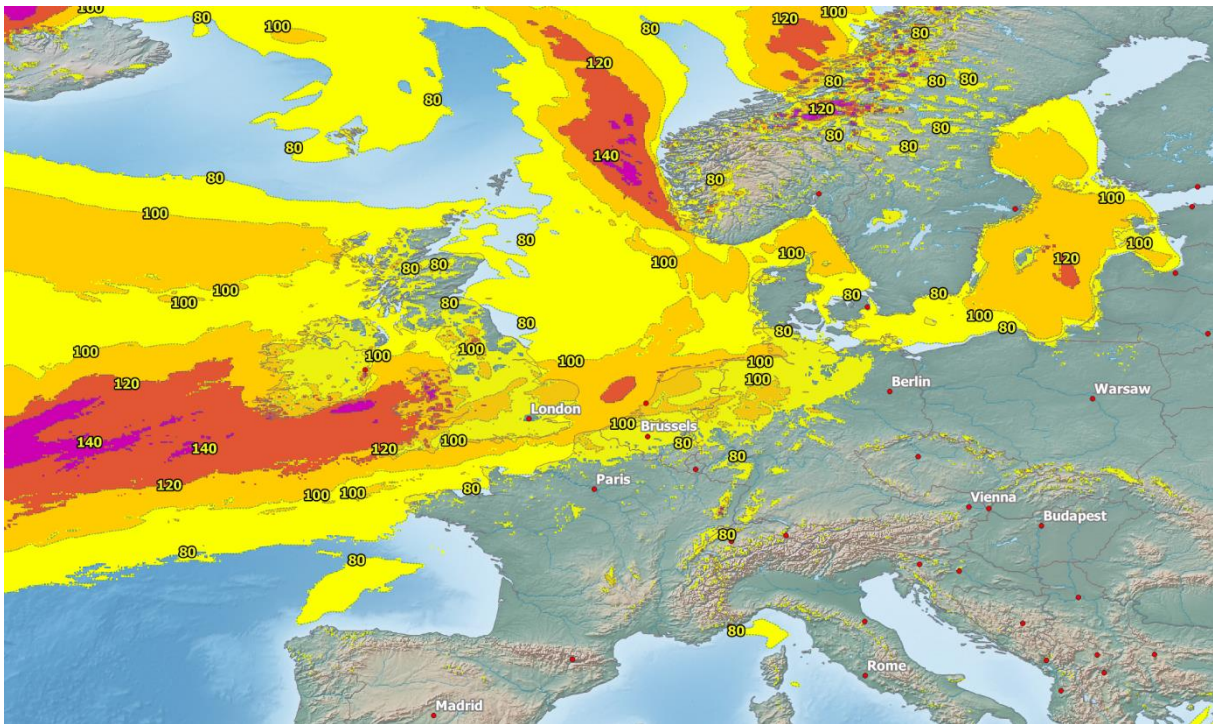


Information Sheet #3

10 March 2021, 09:00 UTC

Event: Extratropical Storm “Klaus”

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



Maximum gusts in kph 10/11 March 2021. (INIT: 10 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	52,671,271	63.5	232,167	65.7	Berlin, Köln, München, Frankfurt/M.
1	80-100	25,247,153	30.4	100,686	28.5	Hamburg, Düsseldorf, Dortmund
2	100-120	5,028,091	6.1	20,653	5.8	Bielefeld, Paderborn, Cuxhaven
3	120-140	21,945	0.0	66	0.0	Bad Harzburg
4	> 140	0	0.0	0	0.0	***

Major Cities – GERMANY (Forecast maximum wind gusts 10/11 March 2021 and Warning Level):

Name	Area qkm	Population	Pop. Dens. /qkm	ZIP	LON	LAT	Travel Area	Gust/WL
Berlin	891.1	3,644,826	4090	10178	13.4	52.5	Berlin	73.4
Hamburg	755.1	1,841,179	2438	20038	10.0	53.6	Hamburg	85.4
München	310.7	1,471,508	4736	80313	11.6	48.1	Landeshauptstadt München	60.3
Köln	405.0	1,085,664	2681	50667	7.0	50.9	Köln und Rhein-Erft-Kreis	79.7
Frankfurt/M	248.3	753,056	3033	60311	8.7	50.1	Main und Taunus	65.9
Stuttgart	207.3	634,830	3062	70173	9.2	48.8	Region Stuttgart	66.2
Düsseldorf	217.4	619,294	2849	40213	6.8	51.2	Düsseldorf und Kreis Mettmann	84.0
Leipzig	297.8	587,857	1974	04109	12.4	51.3	Stadt Leipzig	56.8
Dortmund	280.7	587,010	2091	44135	7.5	51.5	Ruhrgebiet	96.2
Essen	210.3	583,109	2772	45127	7.0	51.5	Ruhrgebiet	99.0
Bremen	317.8	569,352	1791	28195	8.8	53.1	Bremen	99.8
Dresden	328.5	554,649	1689	01067	13.7	51.1	Stadt Dresden	39.5
Hannover	204.3	538,068	2634	30159	9.7	52.4	Hannover-Hildesheim	94.8
Nürnberg	186.4	518,365	2780	90403	11.1	49.5	Städteregion Nürnberg	48.4
Duisburg	232.8	498,590	2142	47051	6.8	51.4	Niederrhein	95.9
Bochum	145.7	364,628	2503	44787	7.2	51.5	Ruhrgebiet	96.1
Wuppertal	168.4	354,382	2105	42275	7.2	51.3	Bergisches Städtedreieck	96.7
Bielefeld	258.8	333,786	1290	33597	8.5	52.0	Teutoburger Wald	101.5
Bonn	141.1	327,258	2320	53111	7.1	50.7	Bonn und Rhein-Sieg-Kreis	67.6
Münster	303.3	314,319	1036	48127	7.6	52.0	Münsterland	97.8
Karlsruhe	173.4	313,092	1805	76124	8.4	49.0	Nördlicher Schwarzwald	62.9
Mannheim	145.0	309,370	2134	68159	8.5	49.5	Nördliches Baden-Württemberg	59.0
Augsburg	146.8	295,135	2010	86150	10.9	48.4	Bayerisch-Schwaben	55.5
Wiesbaden	203.9	278,342	1365	65183	8.2	50.1	Rheingau-Taunus	61.4
M'gladbach	170.5	261,454	1534	41061	6.4	51.2	Niederrhein	85.1
Gelsenkirchen	104.9	260,654	2484	45879	7.1	51.5	Ruhrgebiet	94.9
Braunschweig	192.7	248,292	1288	38100	10.5	52.3	Braunschweiger Land	89.8
Kiel	118.7	247,548	2086	24103	10.1	54.3	Ostsee	87.5
Aachen	160.8	247,380	1538	52062	6.1	50.8	Eifel und Region Aachen	80.0
Chemnitz	221.0	247,235	1119	09111	12.9	50.8	Stadt Chemnitz	67.3
Halle (Saale)	135.0	239,257	1772	06108	12.0	51.5	Halle, Saale, Unstrut	65.5
Magdeburg	201.0	238,697	1187	39104	11.6	52.1	Magdeburg, Elbe-Börde-Heide	63.1
Freiburg	153.0	230,241	1504	79098	7.8	48.0	Südlicher Schwarzwald	64.1
Krefeld	137.8	227,020	1648	47798	6.6	51.3	Niederrhein	95.3
Lübeck	214.2	217,198	1014	23552	10.7	53.9	Ostsee	89.4
Mainz	97.7	217,118	2222	55116	8.3	50.0	Rheinhessen	63.4
Erfurt	269.9	213,699	792	99084	11.0	51.0	Städte Eisenach, Erfurt, Jena, Weimar	64.0
Oberhausen	77.1	210,829	2735	46045	6.9	51.5	Ruhrgebiet	81.8
Rostock	181.4	208,886	1152	18055	12.1	54.1	Mecklenburgische Ostseeküste	75.7
Kassel	106.8	201,585	1888	34117	9.5	51.3	Kassel- Land	65.6

Overview Europe:

Affected	Germany	UK	Ireland	NL	Belgium	Denmark	
Pop. Number	52,671,271	13,796,731	54,734	127,212	1,276,449	4,646,008	Level 0
Pop. %	63.5	20.3	1.1	0.7	11.0	80.2	
Area qkm	232,167	56,130	679	206	8,621	33,267	
Area %	65.7	23.1	1.0	0.5	28.1	77.5	
Pop. Number	25,247,153	48,431,513	3,727,145	8,965,531	10,050,944	1,114,643	Level 1
Pop. %	30.4	71.3	75.5	52.3	86.7	19.2	
Area qkm	100,686	145,138	42,787	19,182	21,522	9,486	
Area %	28.5	59.9	60.9	46.2	70.1	22.1	
Pop. Number	5,028,091	5,351,902	1,057,995	8,042,130	262,222	31,552	Level 2
Pop. %	6.1	7.9	21.4	46.9	2.3	0.5	
Area qkm	20,653	35,713	22,776	22,155	546	180	
Area %	5.8	14.7	32.4	53.3	1.8	0.4	
Pop. Number	21,945	305,542	97,243	0	0	0	Level 3
Pop. %	0.0	0.5	2.0	0.0	0.0	0.0	
Area qkm	66	5,405	3,924	0	0	0	
Area %	0.0	2.2	5.6	0.0	0.0	0.0	
Pop. Number	0	315	679	0	0	0	Level 4
Pop. %	0.0	0.0	0.0	0.0	0.0	0.0	
Area qkm	0	109	108	0	0	0	
Area %	0.0	0.0	0.2	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, IE