

## Reasons:

**R4** Overload (also calculated brake)

**R5** False operation

**R6** Failure in protection device or other element

**R7** Outside impacts (animals, trees, fire, avalanches,...)

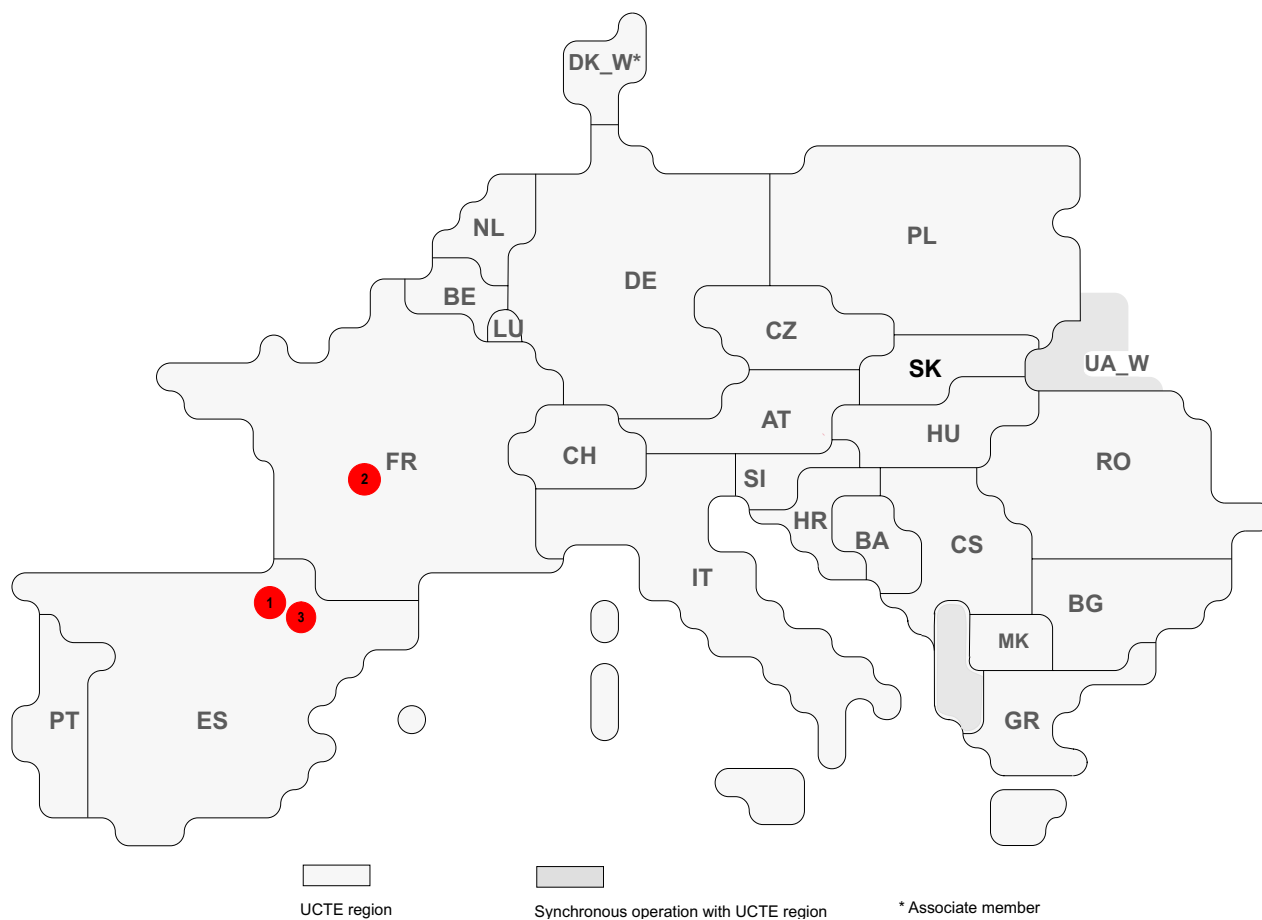
**R8** Very exceptional conditions (weather, natural disaster, ...)

**R9** Other reasons

**R10** Unknown reasons

Nbr	Country	Substation	Reason	Energy not supplied [ MWh ]	Total loss of power [ MW ]	Restoration time [ min ]	Equivalent time of interruption <sup>1</sup>
1	CZ	Neznasov	R5	37	0	447	0,31
2	CZ	Nosovice	R7	11	0	3	0,09
3	CZ	Nosovice	R8	7	0	3	0,06
4	ES	Casares	R8	4	84	3	0,01

<sup>1</sup> ( year [in min] \* energy not supplied ) / consumption last 12 months



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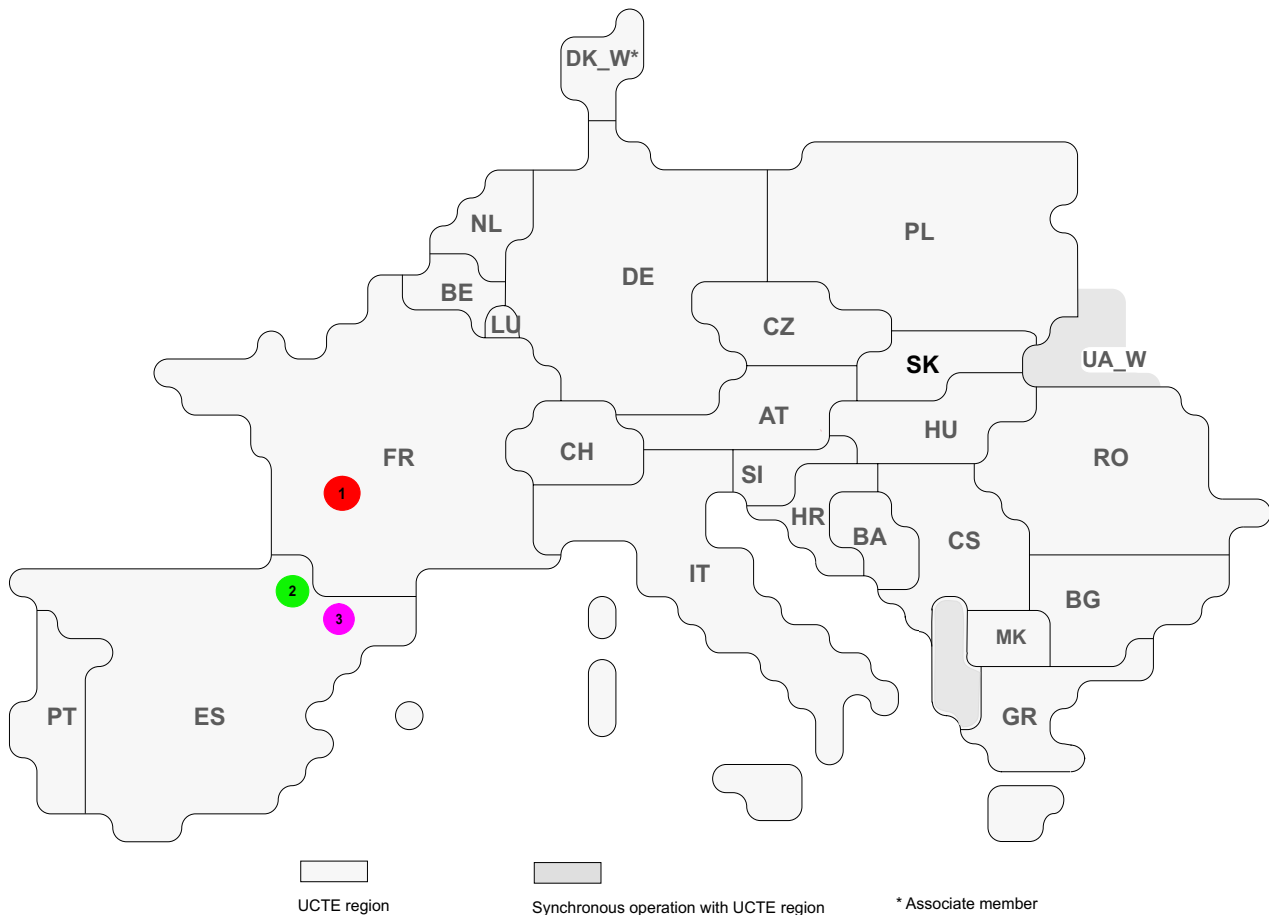
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Nbr	Country	Substation	Reason	Energy not supplied [ MWh ]	Total loss of power [ MW ]	Restoration time [ min ]	Equivalent time of interruption <sup>1</sup>
1	ES	Caicedo	R6	394	316	75	0,82
2	FR	Bollene Specialise	R6	532	18	1773	0,58
3	ES	Caicedo	R6	4	12	19	0,01

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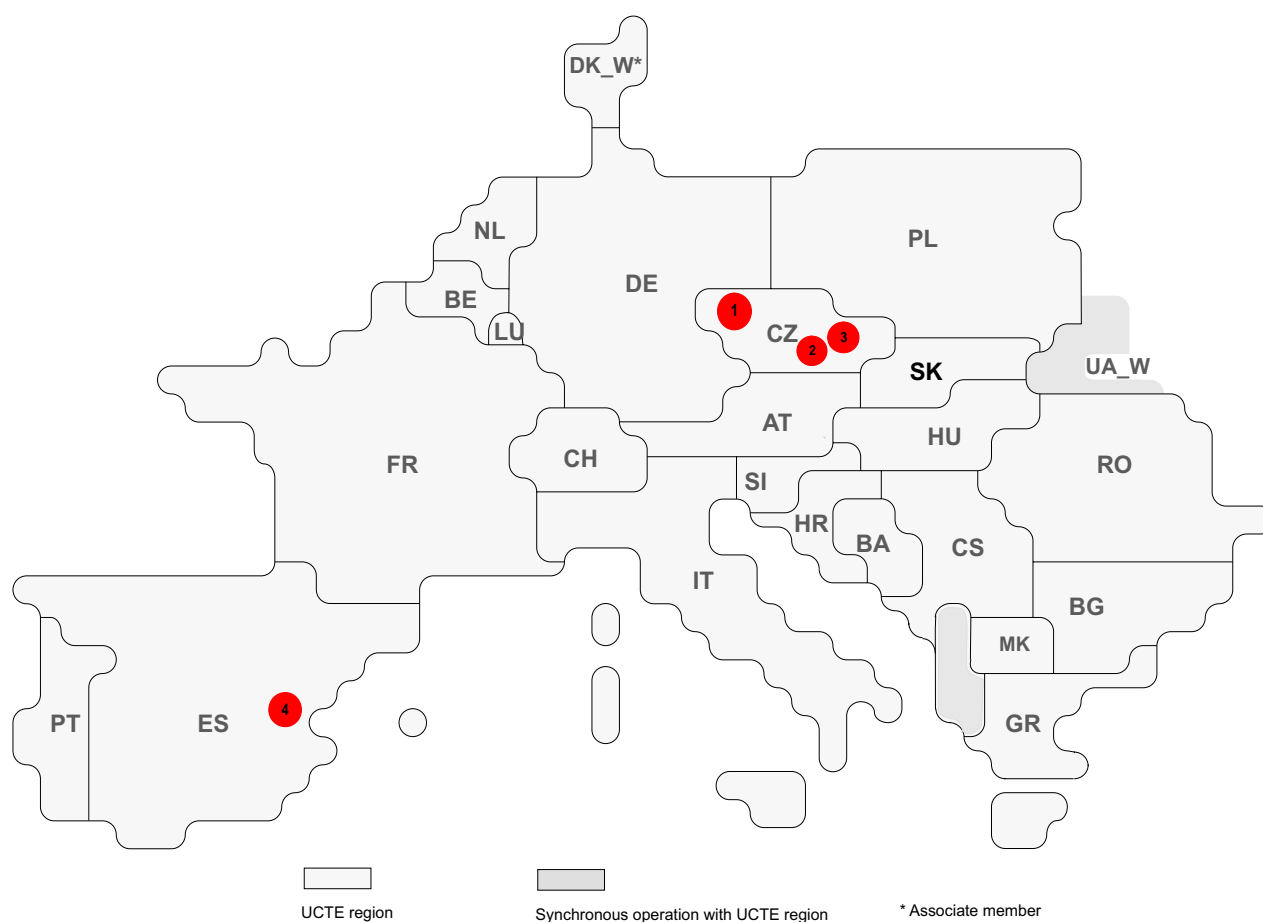
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Nbr	Country	Substation	Reason	Energy not supplied [ MWh ]	Total loss of power [ MW ]	Restoration time [ min ]	Equivalent time of interruption <sup>1</sup>
1	FR	Boisse	R6	34	66	31	0,04
2	ES	Sabinanigo	R8	7	4	109	0,01
3	ES	Eriste	R9	0	9	2	0,01

<sup>1</sup> ( year [in min] \* energy not supplied ) / consumption last 12 months



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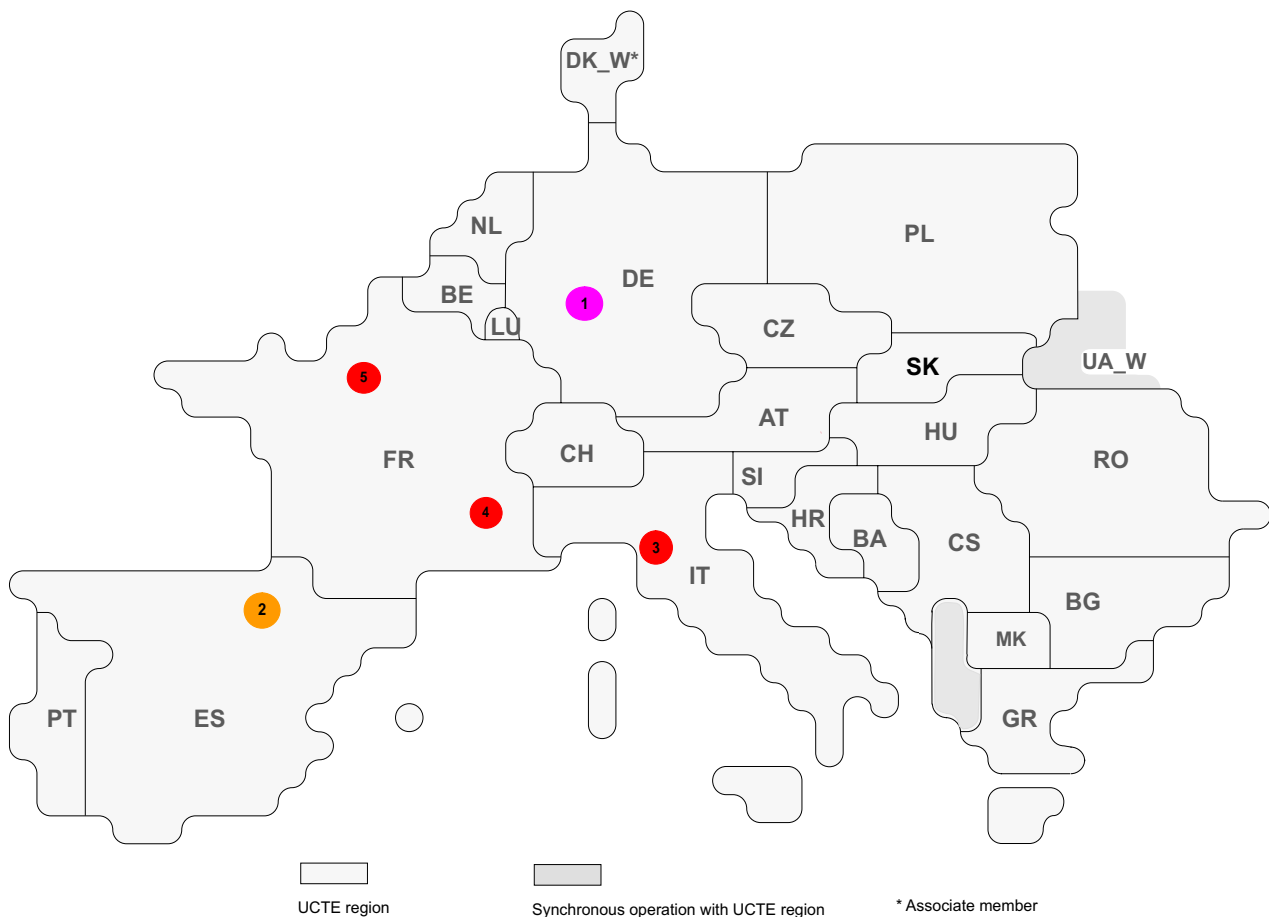
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Nbr	Country	Substation	Reason	Energy not supplied [ MWh ]	Total loss of power [ MW ]	Restoration time [ min ]	Equivalent time of interruption <sup>1</sup>
1	CZ	Bezdecin	R5	19	0	8	0,16
2	CZ	Milin	R5	17	90	69	0,14
3	CZ	Cebin	R6	6	0	3	0,05
4	ES	La Pobla	R5	8	3	186	0,02

<sup>1</sup> ( year [in min] \* energy not supplied ) / consumption last 12 months



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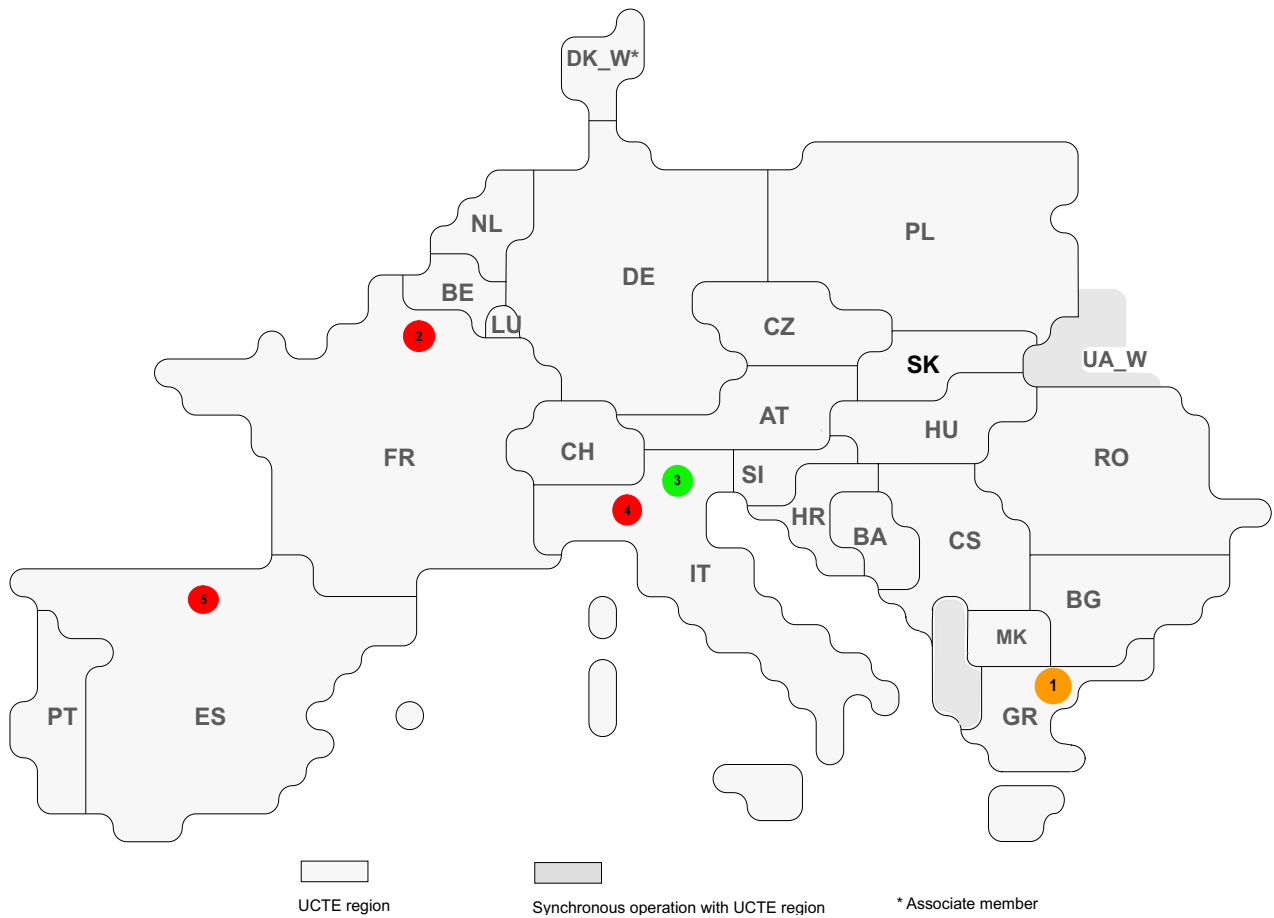
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Nbr	Country	Substation	Reason	Energy not supplied [ MWh ]	Total loss of power [ MW ]	Restoration time [ min ]	Equivalent time of interruption <sup>1</sup>
1	DE	Frimmersdorf	R10	398	135	177	0,37
2	ES	Montecillo Bajo	R4	8	6	75	0,02
3	IT	La Spezia	R6	8	83	6	0,01
4	FR	Plessis Gassot	R5	3	29	7	0,004
5	FR	Chevilly	R6	3	45	4	0,003

<sup>1</sup> ( year [in min] \* energy not supplied ) / consumption last 12 months

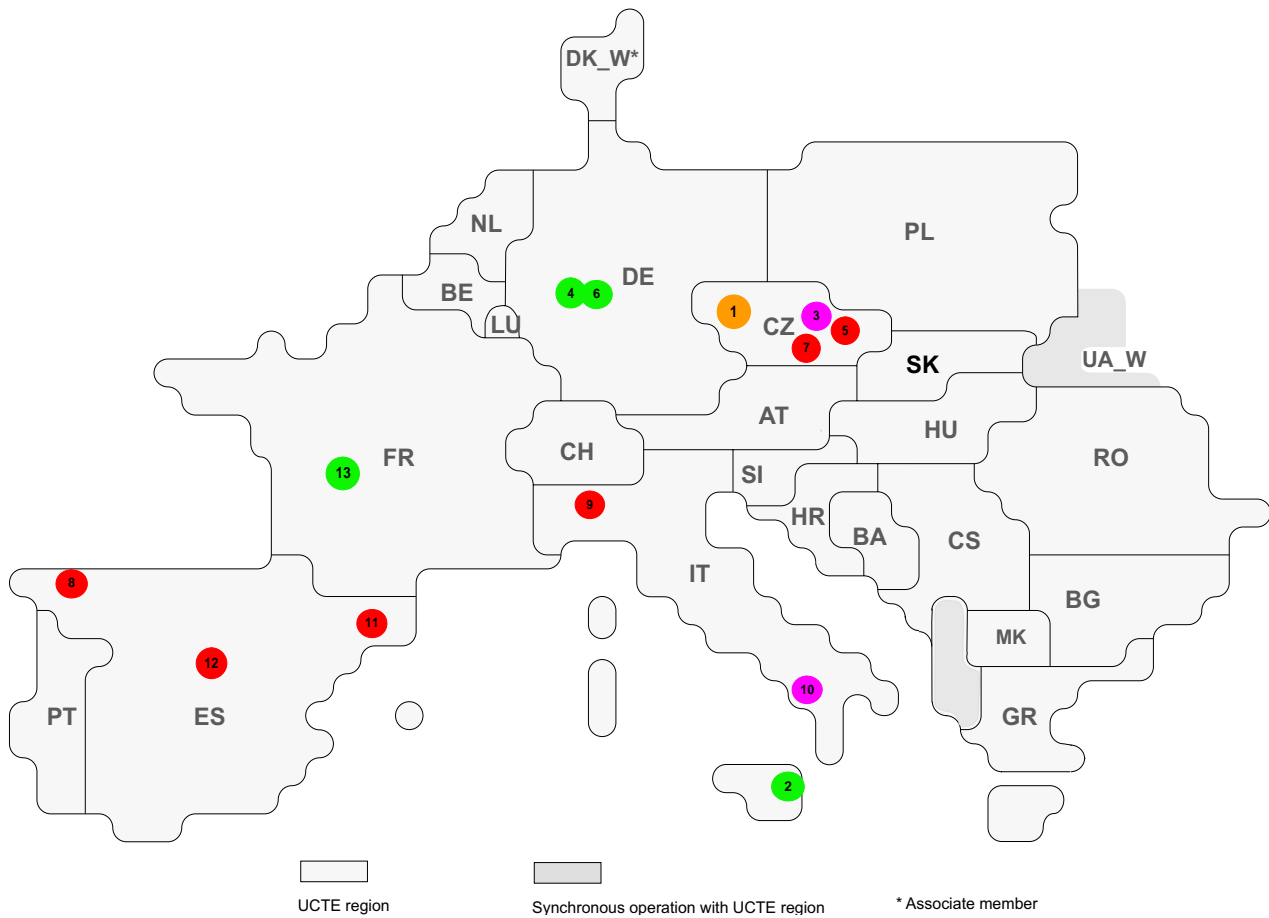


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Nbr	Country	Substation	Reason	Energy not supplied [ MWh ]	Total loss of power [ MW ]	Restoration time [ min ]	Equivalent time of interruption <sup>1</sup>
1	GR	Thessaloniki	R4	493	740	40	4,83
2	FR	Warande	R6	47	80	44	0,05
3	IT	Somplago	R8	15	80	11	0,02
4	IT	Misterbianco-Sorgente	R6	13	200	4	0,02
5	ES	Aguayo	R6	3	49	4	0,01

<sup>1</sup> ( year [in min] \* energy not supplied ) / consumption last 12 months



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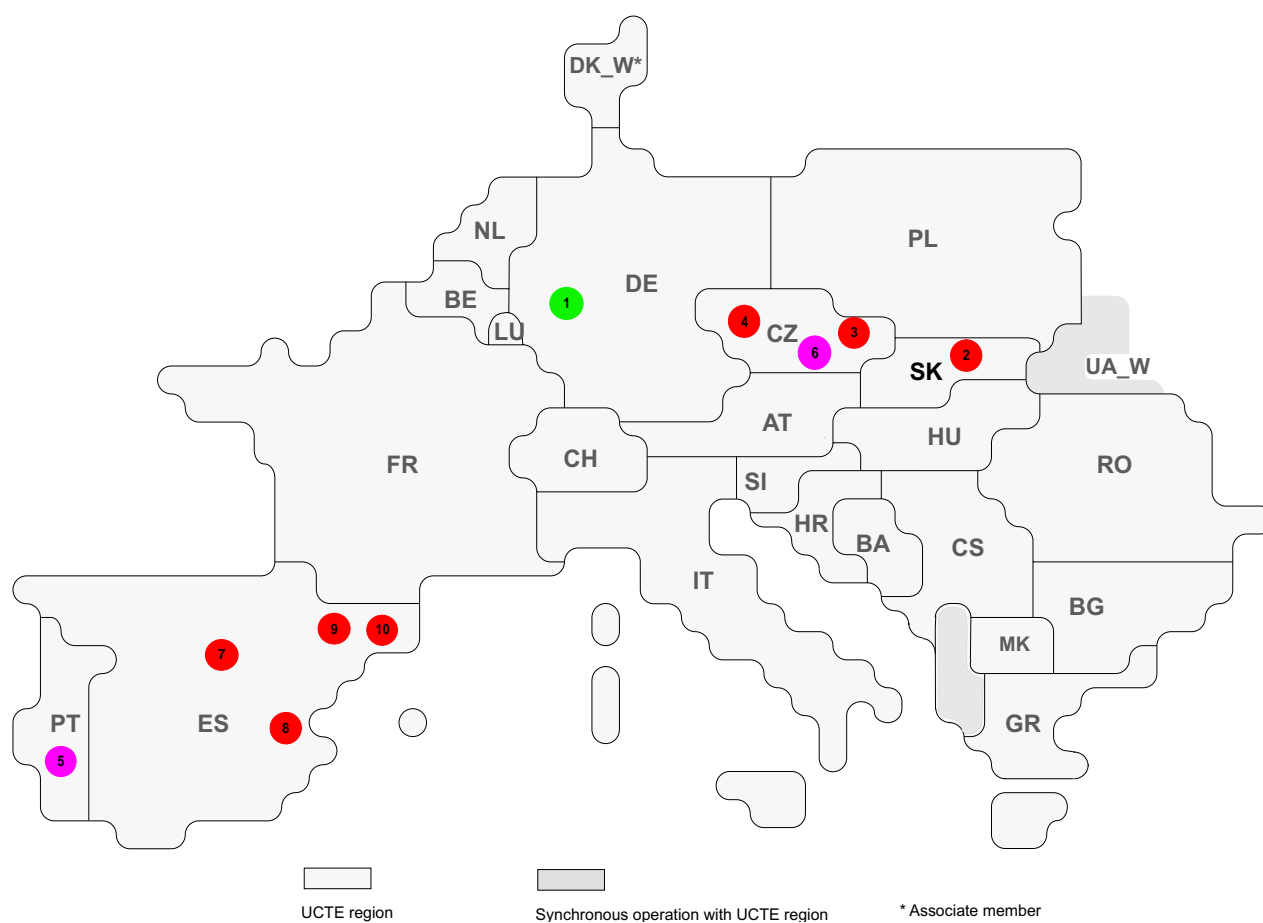
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Nbr	Country	Substation	Reason	Energy not supplied [ MWh ]	Total loss of power [ MW ]	Restoration time [ min ]	Equivalent time of interruption <sup>1</sup>
1	CZ	Cechy Stred	R4	3350	3000	242	27,40
2	IT	Priolo Gargallo	R8	784	244	184	1,23
3	CZ	Krasikov	R9	22	0	17	0,18
4	DE	Gersteinwerk	R8	187	350	32	0,18
5	CZ	Krasikov	R6	2	0	16	0,16
6	DE	Gersteinwerk	R8	160	300	32	0,15
7	CZ	Sokolnice	R6	11	28	5	0,09
8	ES	Sabon	R6	44	155	17	0,09
9	IT	Villavalle	R5	43	124	21	0,07
10	IT	Nocera	R9	39	15	156	0,06
11	ES	Castellbisbal	R6	26	198	8	0,05
12	ES	Fuencarral	R6	6	29	7	0,01
13	FR	Plaisance	R8	7	29	15	0,01

<sup>1</sup> ( year [in min] \* energy not supplied ) / consumption last 12 months



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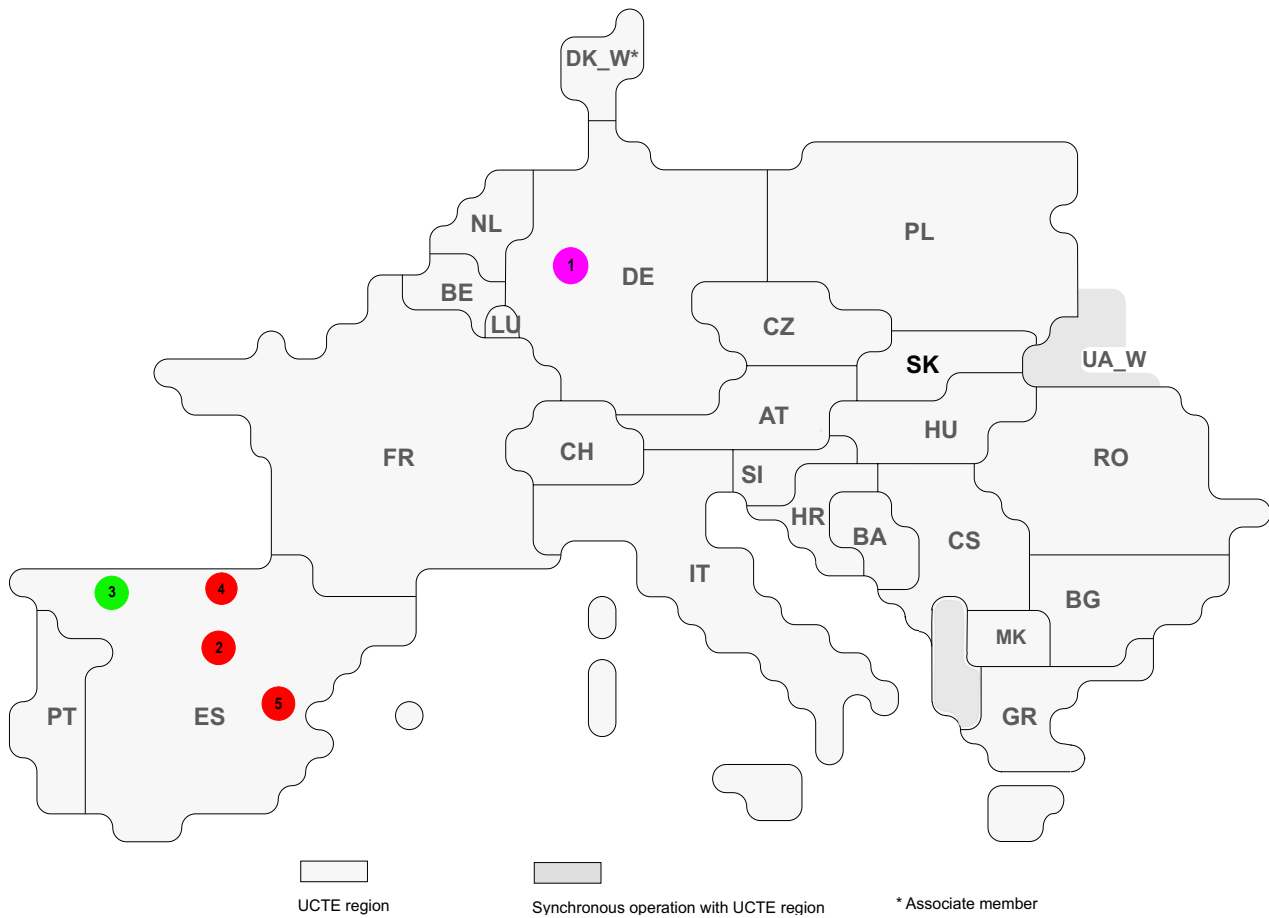
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Nbr	Country	Substation	Reason	Energy not supplied [ MWh ]	Total loss of power [ MW ]	Restoration time [ min ]	Equivalent time of interruption <sup>1</sup>
1	DE	Rommerskirchen	R8	665	950	42	0,62
2	SK	Sucany	R6	8	61	487	0,15
3	CZ	Nosovice	R5	12	181	3	0,09
4	CZ	Mirovka	R5	10	0	6	0,08
5	PT	Rio Maior	R9	6	0	3	0,06
6	CZ	Sokolnice	R9	6	1400	33	0,05
7	ES	Hortaleza	R5	4	50	5	0,01
8	ES	Alcira	R6	3	17	12	0,01
9	ES	Menquienza	R6	2	11	10	0,003
10	ES	Vpenedes	R6	1	18	4	0,003

<sup>1</sup> ( year [in min] \* energy not supplied ) / consumption last 12 months





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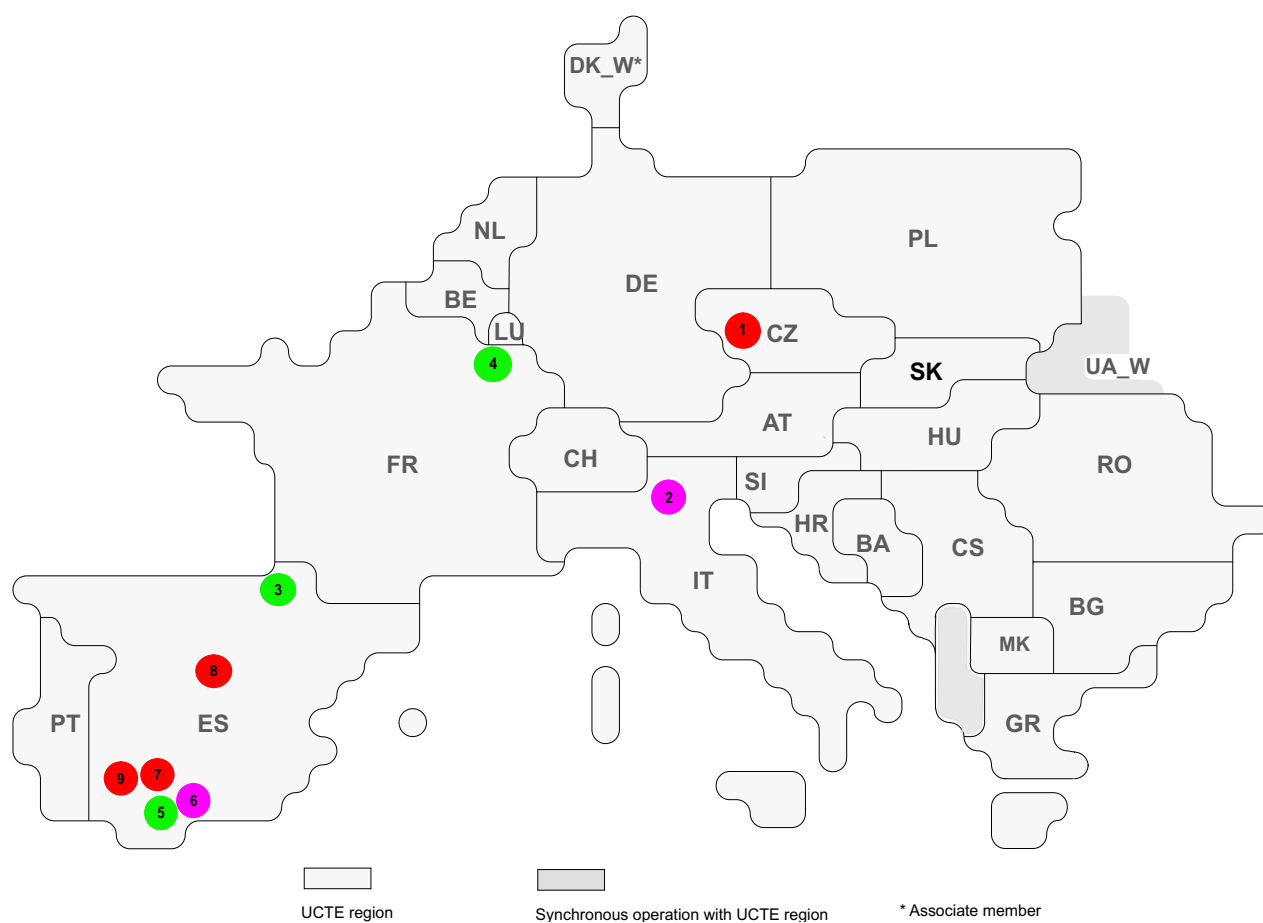
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Nbr	Country	Substation	Reason	Energy not supplied [ MWh ]	Total loss of power [ MW ]	Restoration time [ min ]	Equivalent time of interruption <sup>1</sup>
1	DE	Kusenhorst	R10	216	360	36	0,20
2	ES	Morata	R5	12	36	21	0,03
3	ES	Meson	R7	1	5	14	0,002
4	ES	Barrios	R5	1	9	6	0,002
5	ES	Ribarroja	R5	1	3	11	0,001

<sup>1</sup> ( year [in min] \* energy not supplied ) / consumption last 12 months

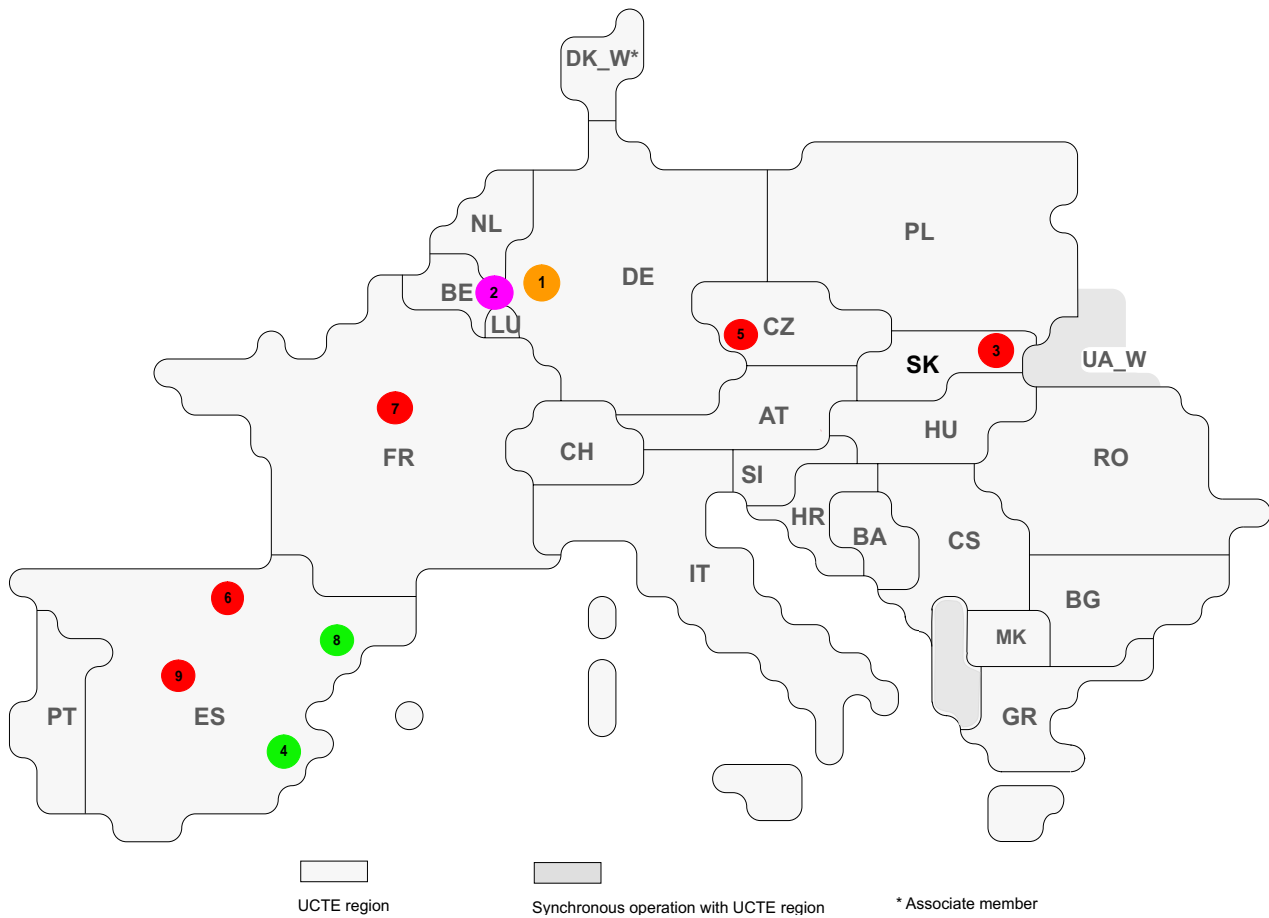


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Nbr	Country	Substation	Reason	Energy not supplied [ MWh ]	Total loss of power [ MW ]	Restoration time [ min ]	Equivalent time of interruption <sup>1</sup>
1	CZ	Neznasov	R6	400	232	77	3,25
2	IT	Fiumesanto	R10	34	74	47	0,05
3	ES	Mondragon	R7	26	40	39	0,05
4	FR	Petite Rosselle	R7	28	50	108	0,03
5	ES	Casares	R8	3	6466	3	0,01
6	ES	Casares	R10	3	5902	3	0,01
7	ES	Costasol	R5	2	383	3	0,00
8	ES	Lucero	R5	2	22	5	0,004
9	ES	Costasol	R5	1	478	2	0,002

<sup>1</sup> ( year [in min] \* energy not supplied ) / consumption last 12 months



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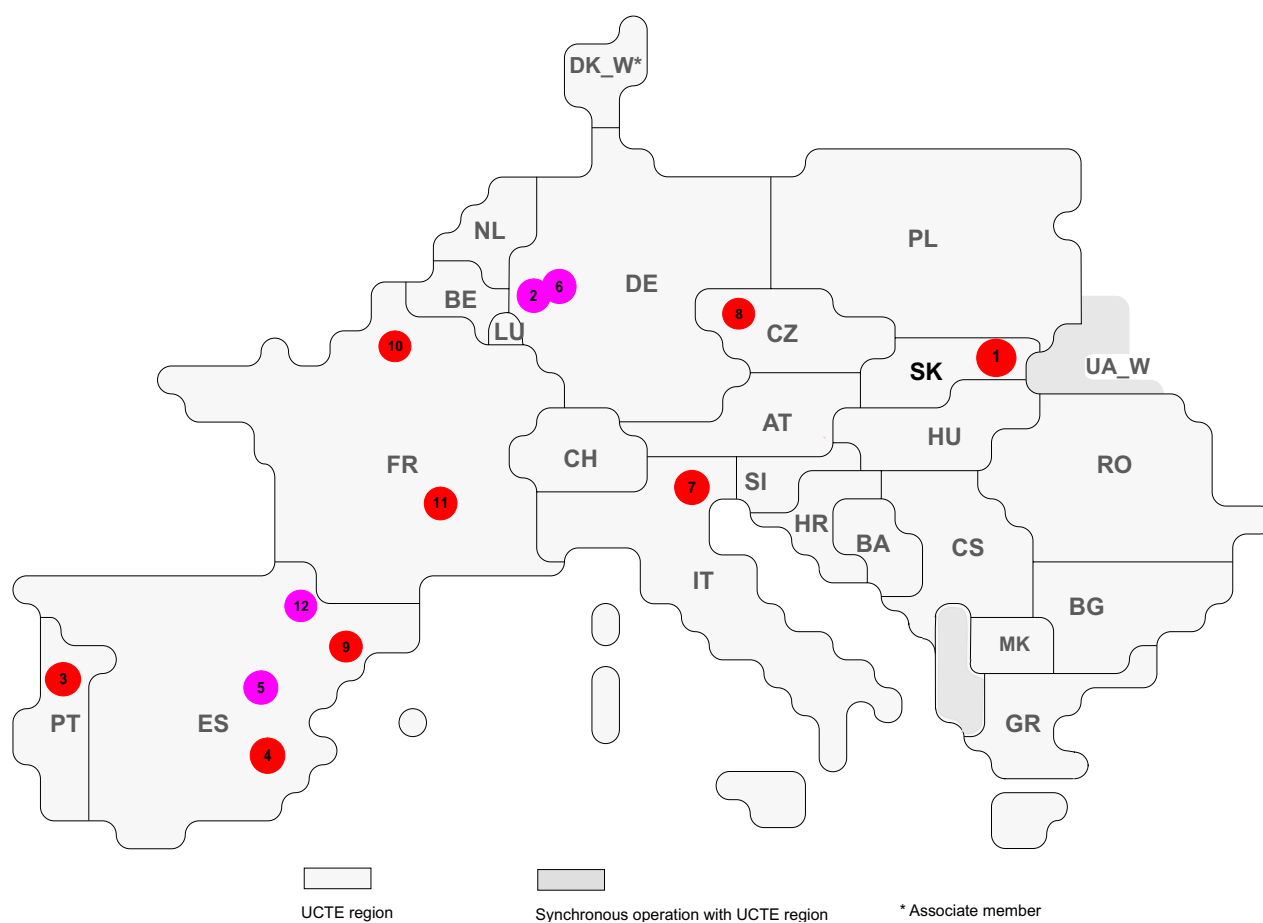
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Nbr	Country	Substation	Reason	Energy not supplied [ MWh ]	Total loss of power [ MW ]	Restoration time [ min ]	Equivalent time of interruption <sup>1</sup>
1	DE	Landesbergen	R4	6000	16724	37	5,62
2	BE	Landsbergen (DE)	R9	813	800	61	4,74
3	SK	Lemesany	R5	217	230	38	4,18
4	ES	Escombreras	R8	186	725	51	0,38
5	CZ	Babylon	R6	30	500	11	0,25
6	ES	Villimar	R6	15	12	75	0,03
7	FR	Chatillon	R6	23	56	5414	0,03
8	ES	Oriol	R8	7	10	44	0,01
9	ES	Lucero	R5	4	27	9	0,01

<sup>1</sup> ( year [in min] \* energy not supplied ) / consumption last 12 months



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1	SK	Moldava	R6	45	143	19	0,87
2	DE	Herne	R10	215	260	49	0,20
3	PT	Siderurgia do Seixal - Longos	R6	16	0	107	0,17
4	ES	La Fortunada	R6	77	153	302	0,16
5	ES	Coln	R9	57	20	90	0,11
6	DE	Herne	R10	100	260	23	0,09
7	IT	Pordenone	R6	38	100	23	0,06
8	CZ	Nosovice	R5	5	0	2	0,04
9	ES	Sidmed	R6	9	8	64	0,02
10	FR	Caulaincourt	R6	9	91	6	0,01
11	FR	Cornier	R6	2	9	10	0,002
12	ES	Oriol	R10	1	89	4	0,001

<sup>1</sup> ( year [in min] \* energy not supplied ) / consumption last 12 months

Inventory										
Country	Conventional thermal units						Nuclear thermal units			
	10 MW $\leq$ x < 200 MW		200 MW $\leq$ x < 400 MW		$\geq$ 400 MW		Total		Number	MW
	Number	MW	Number	MW	Number	MW	Number	MW		
AT <sup>3</sup>	57	2941	9	2796	0	0	66	5737	0	0
BA <sup>1</sup>	9	512	6	1445	0	0	15	1957	0	0
BE <sup>1</sup>	71	3228	12	3566	3	1380	86	8174	7	5802
BG	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
CH	17	282	0	0	0	0	17	282	5	3220
CS <sup>5</sup>	14	1104	15	4056	2	1240	31	6400	0	0
CZ	171	9659	0	0	1	460	172	10119	6	3537
DE <sup>2</sup>	403	23572	66	20178	47	27749	516	71499	17	20300
ES	618	17500	55	18934	21	12109	694	48543	8	7458
FR	315	7308	22	5428	16	9640	353	22376	59	63260
GR	24	2487	19	5502	0	0	43	7989	0	0
HR <sup>4</sup>	24	1137	2	508	0	0	26	1645	0	0
HU <sup>5</sup>	54	2552	14	2918	0	0	68	5470	4	1755
IT	1653	19329	85	27547	31	19324	1769	66200	0	0
LU	0	0	1	385	0	0	1	385	0	0
MK <sup>4</sup>	2	301	3	606	0	0	5	907	0	0
NL	95	3887	19	5783	14	8177	128	17847	1	485
PL	229	12955	63	15417	2	1008	294	29380	0	0
PT <sup>5</sup>	31	1598	16	4888	0	0	47	6486	0	0
RO	96	6103	14	4004	0	0	110	10107	1	655
SI <sup>4</sup>	2	267	1	312	1	676	4	1255	1	670
SK	23	2055	1	214	0	0	24	2269	6	2640
<b>UCTE<sup>6</sup></b>	<b>3908</b>	<b>118777</b>	<b>423</b>	<b>124487</b>	<b>138</b>	<b>81763</b>	<b>4469</b>	<b>325027</b>	<b>115</b>	<b>109782</b>
DK_W	31	899	8	2776	1	626	40	4301	0	0
UA_W <sup>5</sup>	16	2500	0	0	0	0	16	2500	0	0

<sup>1</sup> The conventional thermal units include units that fire biomass or waste.

<sup>4</sup> Values on conventional thermal units as of 31 December 2004

<sup>2</sup> Values on conventional thermal units as of 31 December 2000

<sup>5</sup> Values on conventional thermal units as of 31 December 2005

<sup>6</sup> Except Bulgaria

Country	Commissioning				Decommissioning			
	Thermal conventional		Thermal nuclear		Thermal conventional		Thermal nuclear	
	Number	MW	Number	MW	Number	MW	Number	MW
AT	0	0	0	0	0	0	0	0
BA	0	0	0	0	0	0	0	0
BE <sup>1</sup>	2	175	0	0	4	162	0	0
BG	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
CH	0	0	0	0	0	0	0	0
CS	0	0	0	0	0	0	0	0
CZ	0	0	0	0	0	0	0	0
DE	0	0	0	0	0	0	0	0
ES	6	3073	0	0	0	0	1	142
FR	1	13	0	0	8	804	0	0
GR	1	378	0	0	0	0	0	0
HR	0	0	0	0	0	0	0	0
HU	0	0	0	0	0	0	0	0
IT	19	4036	0	0	88	186	0	0
LU	0	0	0	0	0	0	0	0
MK	0	0	0	0	0	0	0	0
NL	0	0	0	0	0	0	0	0
PL	2	98	0	0	0	0	0	0
PT	0	0	0	0	0	0	0	0
RO	1	130	0	0	5	295	0	0
SI	0	0	0	0	0	0	0	0
SK	0	0	0	0	0	0	0	0
<b>UCTE <sup>2</sup></b>	<b>32</b>	<b>7903</b>	<b>0</b>	<b>0</b>	<b>105</b>	<b>1447</b>	<b>1</b>	<b>142</b>
DK_W	0	0	0	0	0	0	0	0
UA_W	0	0	0	0	0	0	0	0

<sup>1</sup> The conventional thermal units include units that fire biomass or waste.

<sup>2</sup> Except Bulgaria

Inventory of hydro power units										
Country	1 MW $\leq x < 10$ MW		10 MW $\leq x < 50$ MW		50 MW $\leq x < 100$ MW		$\geq 100$ MW		Total	
	Number	MW	Number	MW	Number	MW	Number	MW	Number	MW
AT <sup>2</sup>	208	650	101	2526	20	1492	26	6698	355	11366
BA	2	10	16	335	12	774	7	945	37	2064
BE	27	95	4	144	0	0	6	1164	37	1403
BG	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
CH	182	649	100	2438	40	2705	36	7429	358	13221
CS <sup>4</sup>	11	30	37	870	8	583	11	2014	67	3497
CZ	56	207	6	212	6	484	6	1100	74	2003
DE <sup>1</sup>	234	898	78	1648	14	1026	15	4841	341	8413
ES	480	1628	134	3027	43	2967	38	11071	695	18693
FR	524	1659	187	4473	40	2943	61	15919	812	24994
GR <sup>3</sup>	27	84	3	63	2	120	11	2846	43	3113
HR <sup>4</sup>	22	69	21	576	6	453	8	978	57	2076
HU	10	46	0	0	0	0	0	0	10	46
IT	619	2033	247	5394	29	1960	42	11601	937	20988
LU	3	20	1	11	0	0	1	1096	5	1127
MK <sup>3</sup>	22	36	3	73	3	265	1	150	29	524
NL	0	0	3	35	0	0	0	0	3	35
PL	64	186	4	80	3	228	5	1688	76	2182
PT <sup>4</sup>	90	416	37	882	33	2204	8	1395	168	4897
RO	156	881	93	2479	17	1093	11	2004	277	6457
SI <sup>3</sup>	1	8	11	288	5	319	2	230	19	845
SK	29	176	36	700	10	820	6	734	81	2430
<b>UCTE <sup>5</sup></b>	<b>2767</b>	<b>9781</b>	<b>1122</b>	<b>26254</b>	<b>291</b>	<b>20436</b>	<b>301</b>	<b>73903</b>	<b>4481</b>	<b>130374</b>
DK_W	3	10	0	0	0	0	0	0	3	10
UA_W	3	27	0	0	0	0	0	0	3	27

<sup>1</sup> Values as of 31 December 2000

<sup>2</sup> Values as of 31 December 2003

<sup>3</sup> Values as of 31 December 2004

<sup>4</sup> Values as of 31 December 2005

<sup>5</sup> Except Bulgaria

Country	Commissioning		Decommissioning	
	Number	MW	Number	MW
AT	n.a.	n.a.	n.a.	n.a.
BA	0	0	0	0
BE	0	0	0	0
BG	n.a.	n.a.	n.a.	n.a.
CH	0	0	0	0
CS	0	0	0	0
CZ	0	0	0	0
DE	0	0	0	0
ES	7	46	0	0
FR	0	0	0	0
GR	6	6	0	0
HR	0	0	0	0
HU	0	0	0	0
IT	41	77	5	18
LU	0	0	0	0
MK	0	0	0	0
NL	0	0	0	0
PL	3	5	0	0
PT	0	0	0	0
RO	2	10	0	0
SI	0	0	0	0
SK	0	0	0	0
<b>UCTE<sup>1</sup></b>	<b>59</b>	<b>144</b>	<b>5</b>	<b>18</b>
DK_W	0	0	0	0
UA_W	0	0	0	0

<sup>1</sup> Except Austria and Bulgaria