

**ACER's Decision on the alternative bidding zone configurations to
be considered in the bidding zone review process**

ANNEX I

**List of alternative bidding zone
configurations to be considered for the
bidding zone review**

8 August 2022

Alternative configurations to be considered for the bidding zone review^{1,2}:

Identifier	BZRR	Number of BZs per MS	Source (ACER's algorithm / TSOs)	Fallback configuration identifier
1	CE	DE2	k-means	14
2	CE	DE2	Modified version of Spectral P1 following remarks provided by the German TSOs	
3	CE	DE3	Spectral P1	12
4	CE	DE4	Modified version of Spectral P1 following remarks provided by the German TSOs	13
5	CE	FR3	Spectral P1	
6	CE	IT2	k-means	
7	CE	NL2	Spectral DIRC	
8	Nordic	SE3	Spectral P1	
9	Nordic	SE3	Modified version of Spectral P1 following remarks provided by Svenska Kraftnät	
10	Nordic	SE4	Spectral P1	
11	Nordic	SE4	Modified version of Spectral P1 following remarks provided by Svenska Kraftnät	
15 onwards	CE	Combinations as derived during the bidding zone review study (see point 1 below)		

1. TSOs shall consider two combinations on the basis of the individual configurations included in the above table. To that end, TSOs shall build a list of candidate combinations that comprise only two Member States, and then TSOs shall rank the candidate combinations according to the sum of the individual monetised benefits estimated by TSOs

¹ Each coloured dot displayed in the geographical maps for configurations with identifiers 1-11 corresponds to a node included in the merged network models considered for the locational marginal pricing simulations. The colour of each dot represents the bidding zone each node is allocated to, according to the legend shown on the top-right of each figure. The list of nodes, along with the bidding zone they are allocated to, is reported in Annex VI to this Decision.

² Throughout this annex, for the status quo, when referring to Germany, it is to be read as the status quo German-Luxembourgish bidding zone. Whenever the German-Luxembourgish bidding zone is divided into several bidding zones, Luxembourg always belongs to one of them, as illustrated in the relevant maps below.

in the so-called “Step 1” of the bidding zone review study (see Article 13(1) of the bidding zone review methodology). The two first combinations of this ranking shall be selected.

2. In case TSOs conclude that the unique assignment of generation and load units to a bidding zone, according to Article 33(1)(c)(iii) of Commission Regulation (EU) 2015/1222, cannot be achieved for any of the alternative bidding zone configurations listed under identifier 1, 3 or 4 of the above table, TSOs shall replace the concerned configuration(s) with the corresponding fallback bidding zone configuration(s) as indicated in the last column of the table above. A description of the fallback configurations is included in the table below. Moreover, if TSOs replace any of the above listed configurations, TSOs shall also update the ranking of combinations and the selection of two of them during the bidding zone study (see point 1); these combinations shall then be assessed by TSOs.

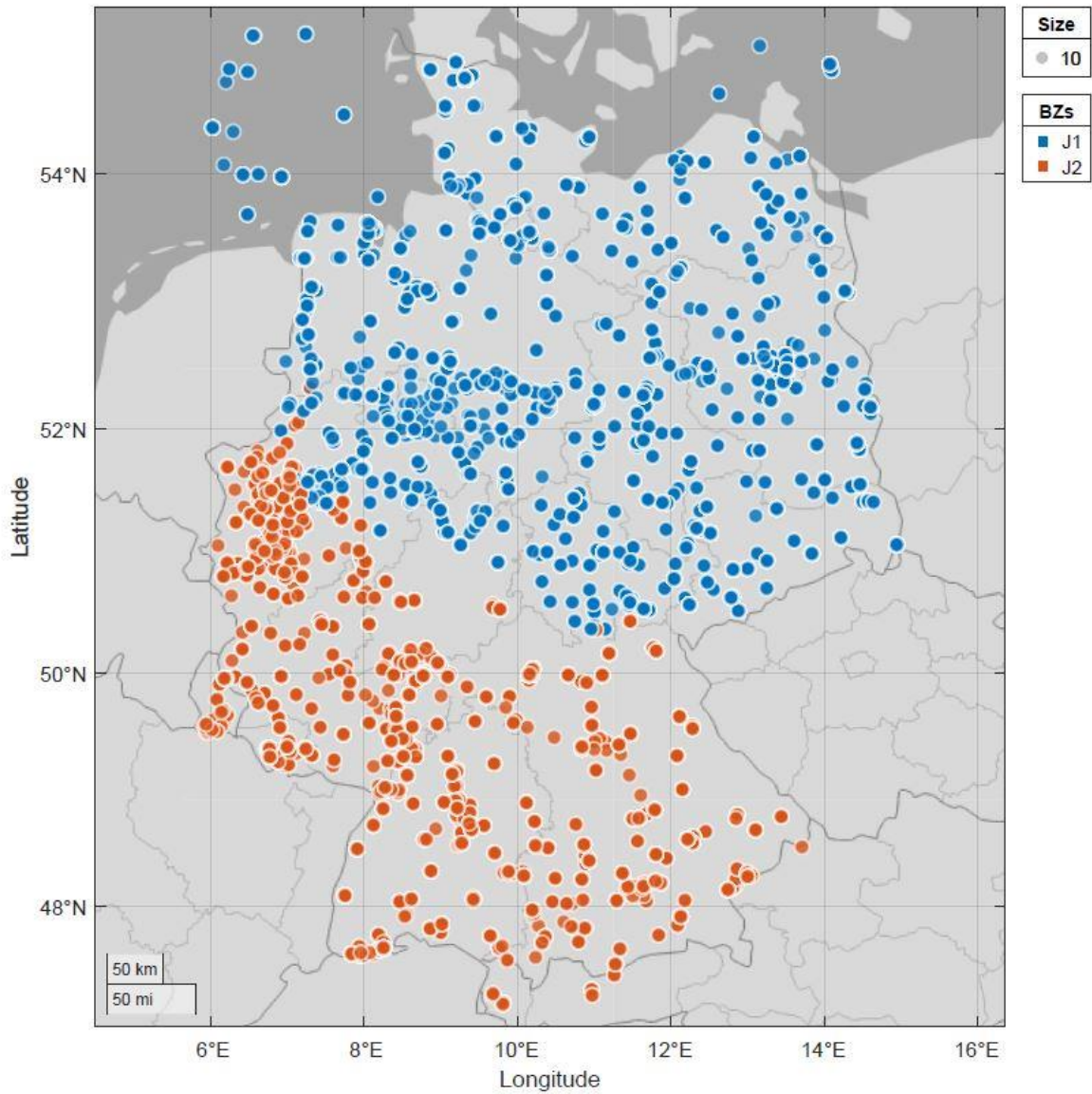
Fallback alternative configurations to be considered for the bidding zone review:

Identifier	BZRR	Number of BZs per MS	Source (ACER's algorithm / TSOs)
12	CE	DE3	Modified version of configuration 3 to align with Amprion's control area borders
13	CE	DE4	Modified version of configuration 4 to align with Amprion's control area borders
14	CE	DE5	Modified version of configuration 13, including a new bidding zone in Schleswig-Holstein ³

³ A bidding zone defined along the border of the federal state Schleswig-Holstein is included in Configuration 3 of 'Annex 1: Considerations on Bidding Zone Review Region “Central Europe” Bidding Zone configurations' of the TSOs' bidding zone review proposal submitted in 2019 and 2020, available here: https://eepublicdownloads.entsoe.eu/clean-documents/cep/implementation/BZ/A1_BZR_ED_Considerations%20on%20BZRR%20CE%20configurations.pdf.

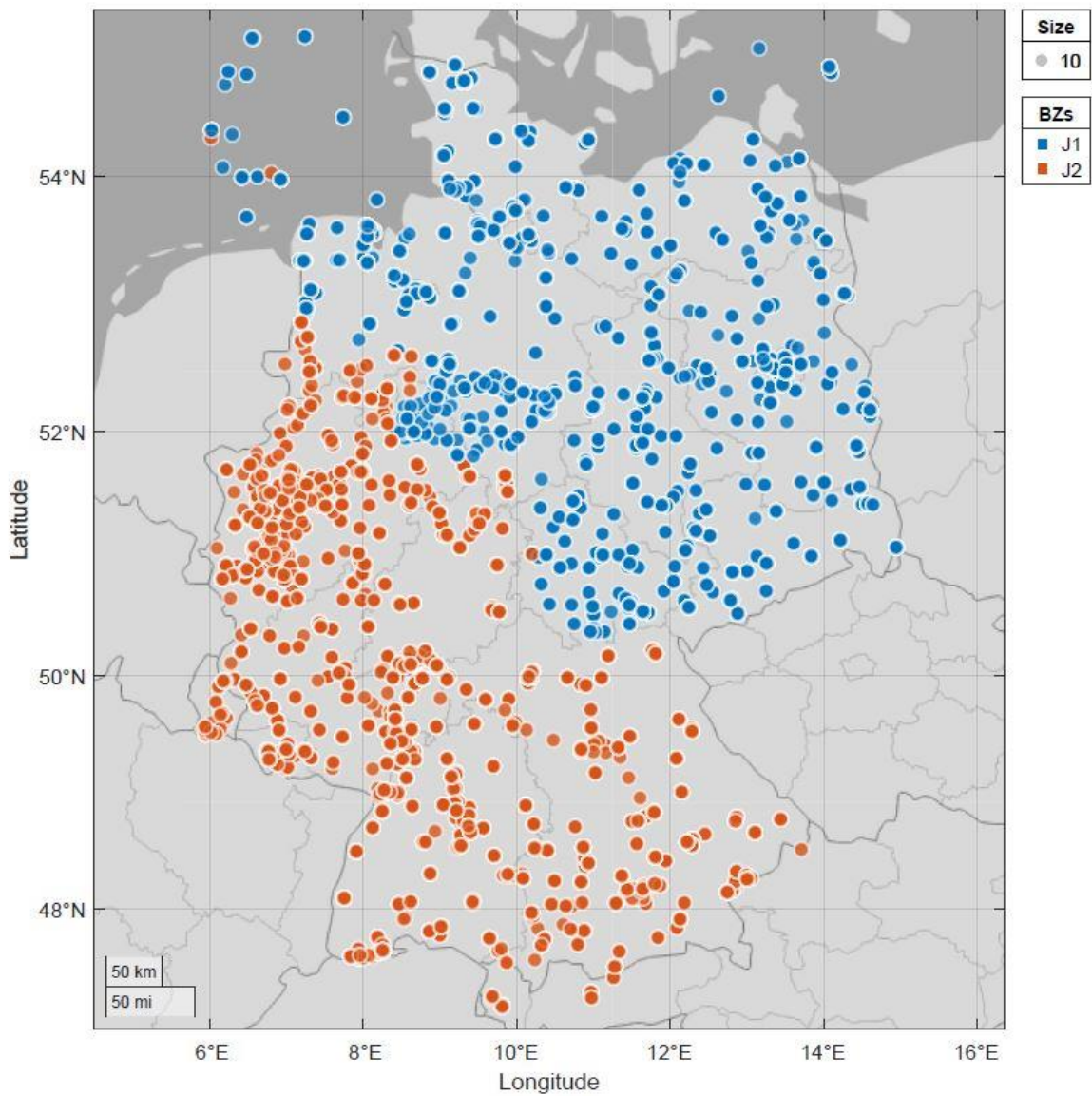
Bidding Zone Review Region Central Europe (BZRR CE):

1. DE2 (k-means)



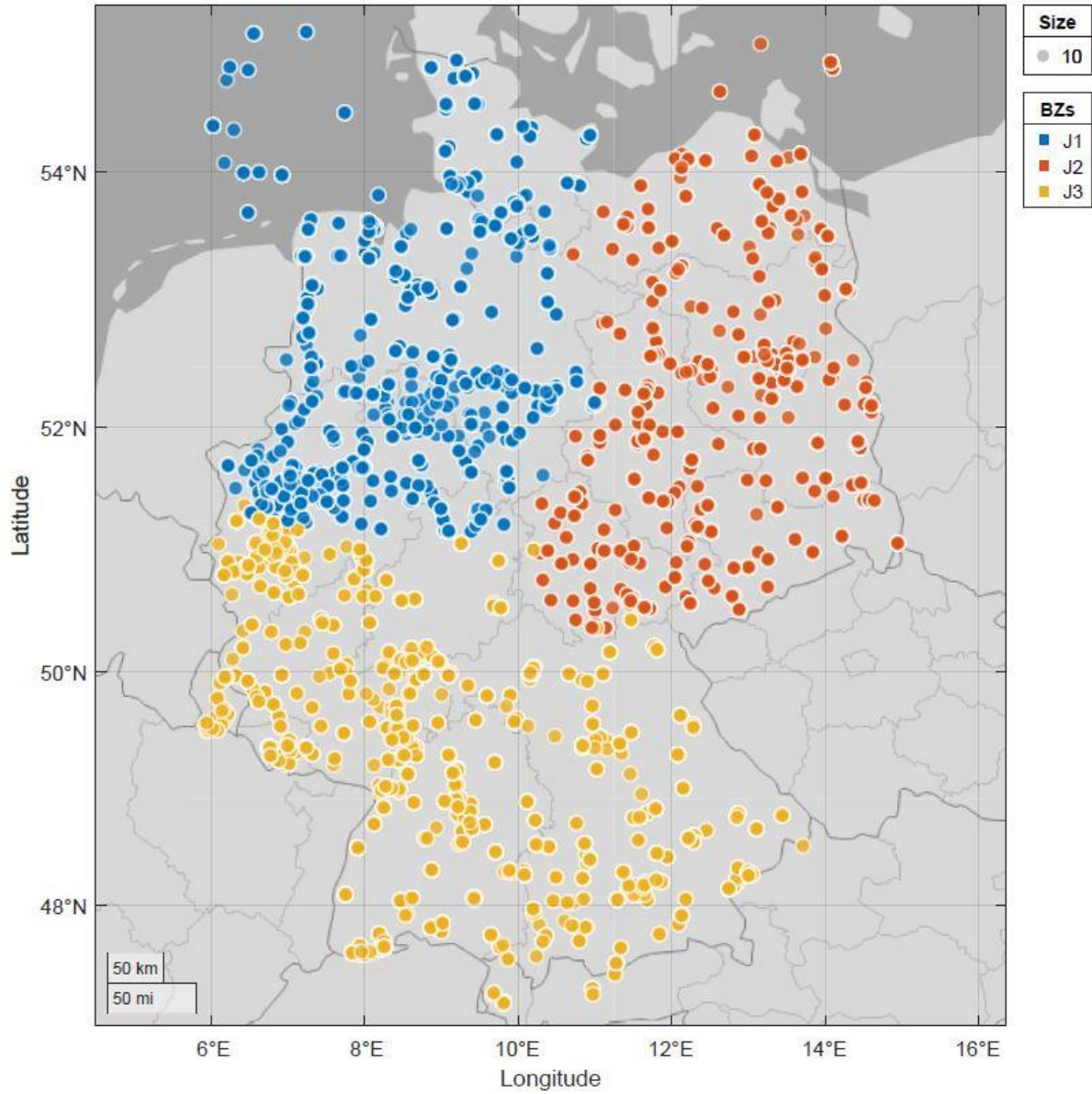
Note: J1 and J2 are the two newly-defined German-Luxembourgish bidding zones.

2. DE2 (Modified version of Spectral P1 following remarks provided by the German TSOs)



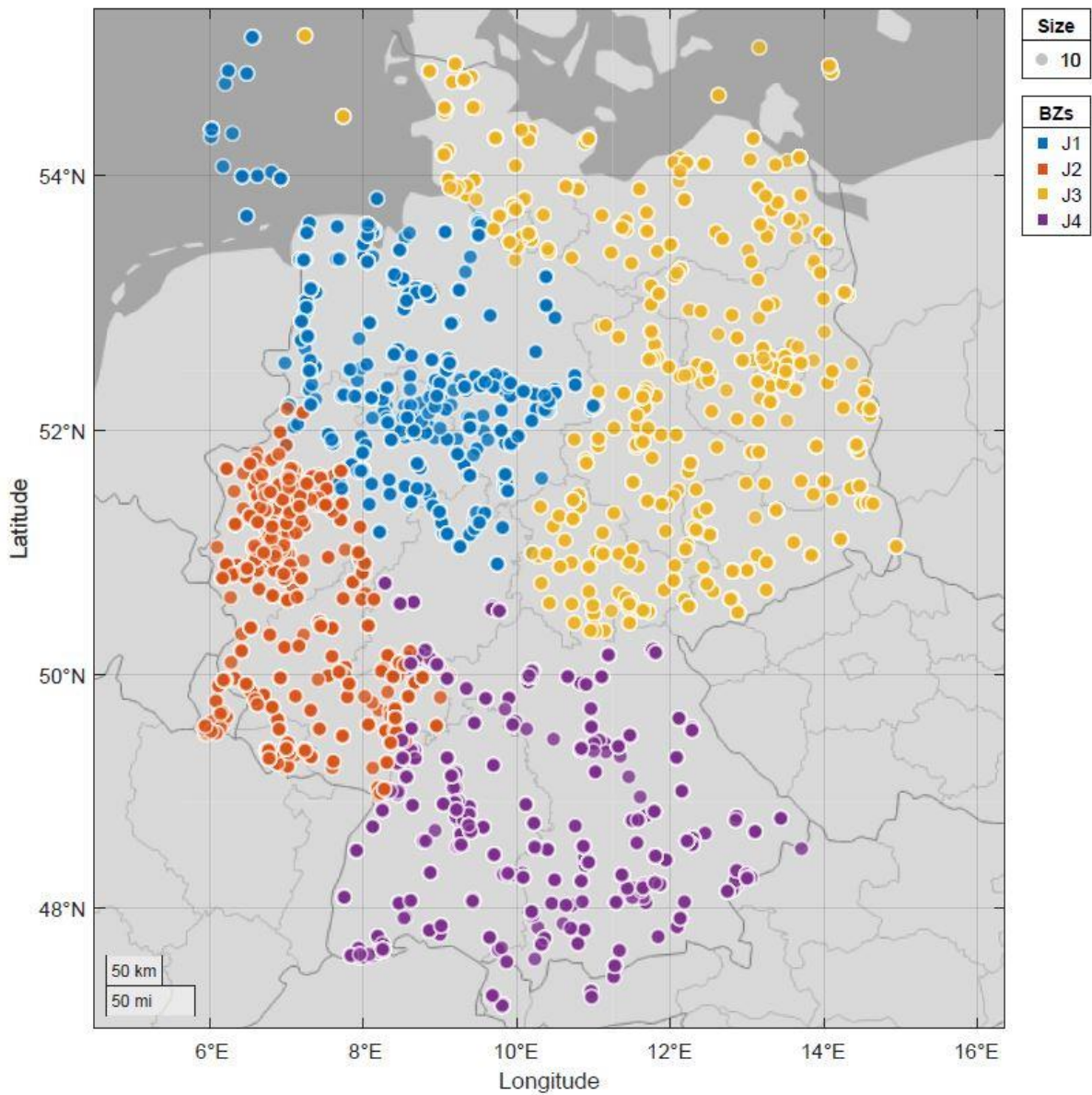
Note: J1 and J2 are the two newly-defined German-Luxembourgish bidding zones.

3. DE3 (Spectral P1)



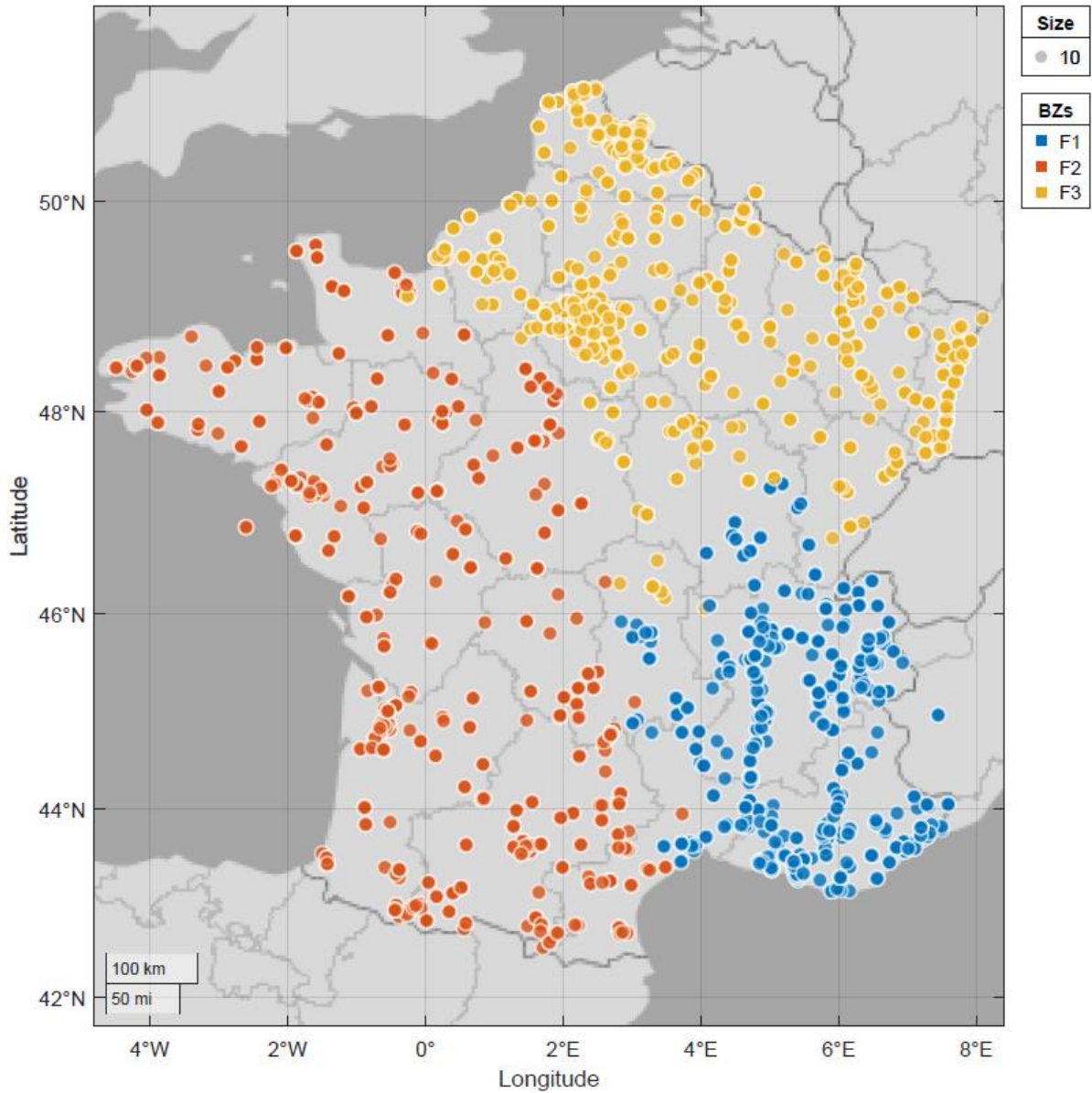
Note: J1, J2 and J3 are the three newly-defined German-Luxembourgish bidding zones.

4. DE4 (Modified version of Spectral P1 following remarks provided by the German TSOs)



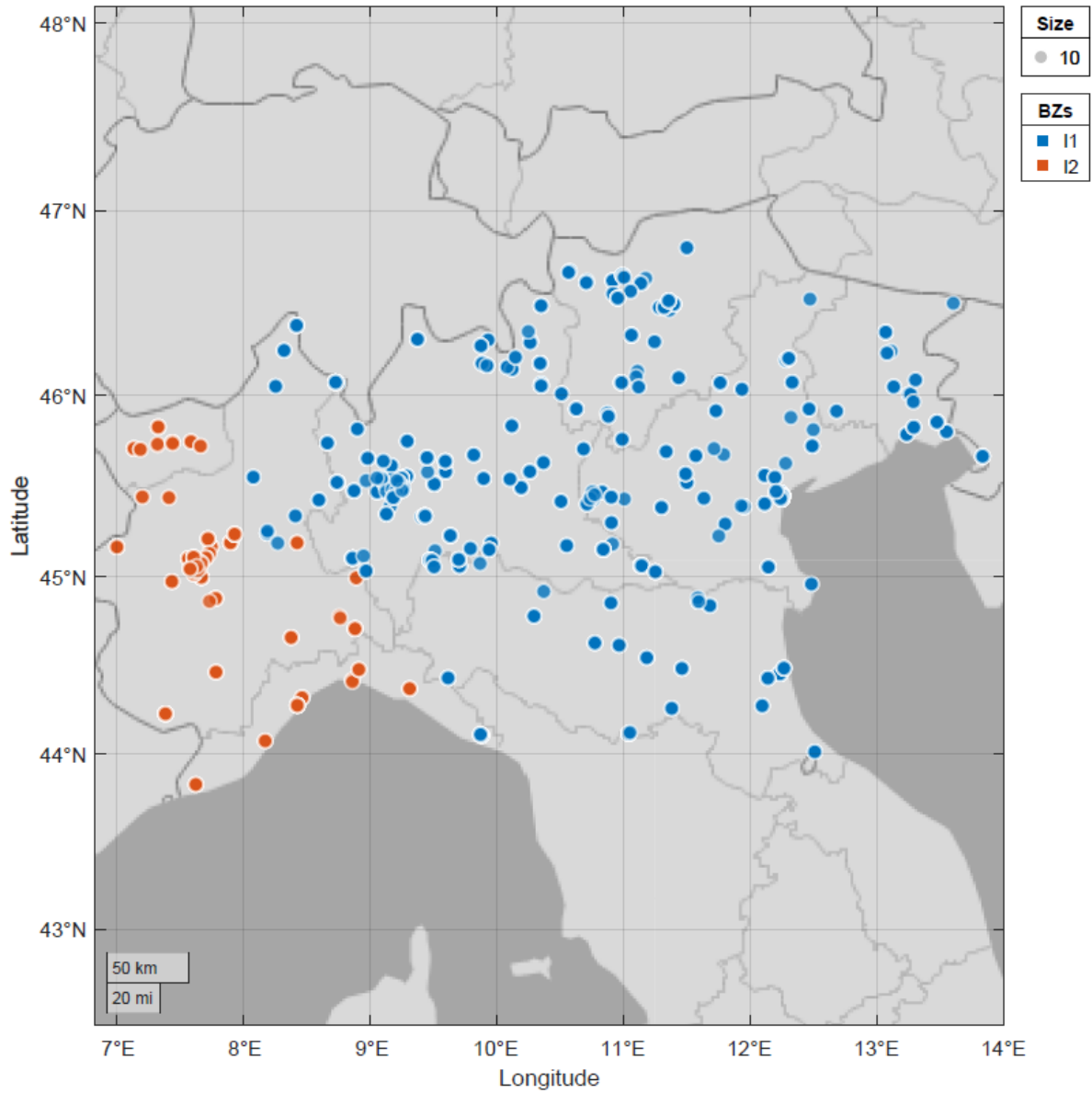
Note: J1, J2, J3 and J4 are the four newly-defined German-Luxembourgish bidding zones.

5. FR3 (Spectral P1)



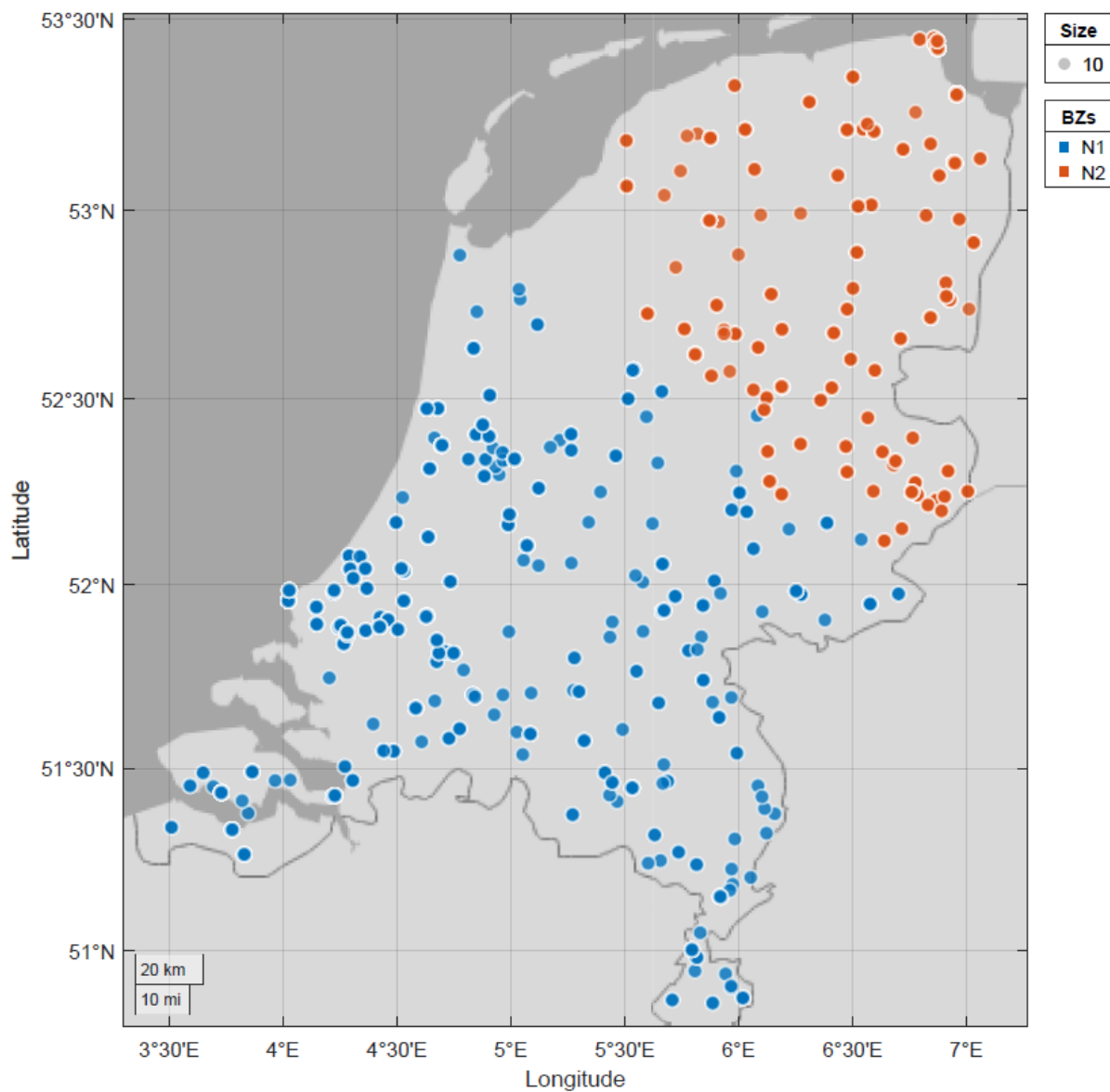
Note: F1, F2 and F3 are the three newly-defined French bidding zones.

6. IT2 (k-means)



Note: I1 and I2 are the two newly-defined Italian bidding zones.

7. NL2 (Spectral DIRC)

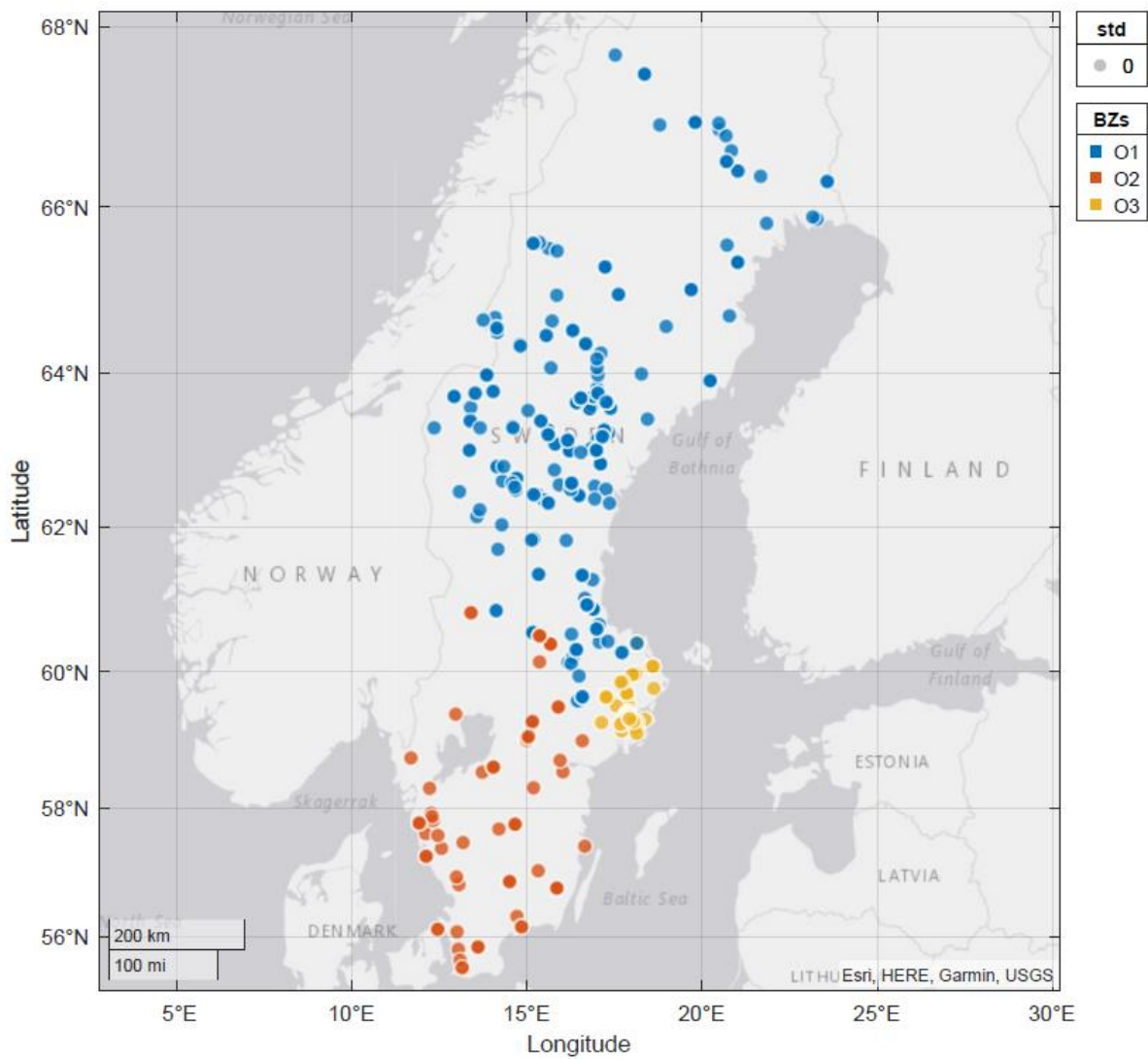


Note: N1 and N2 are the two newly-defined Dutch bidding zones.

From identifier 15 onwards: Combinations as derived during the bidding zone review study

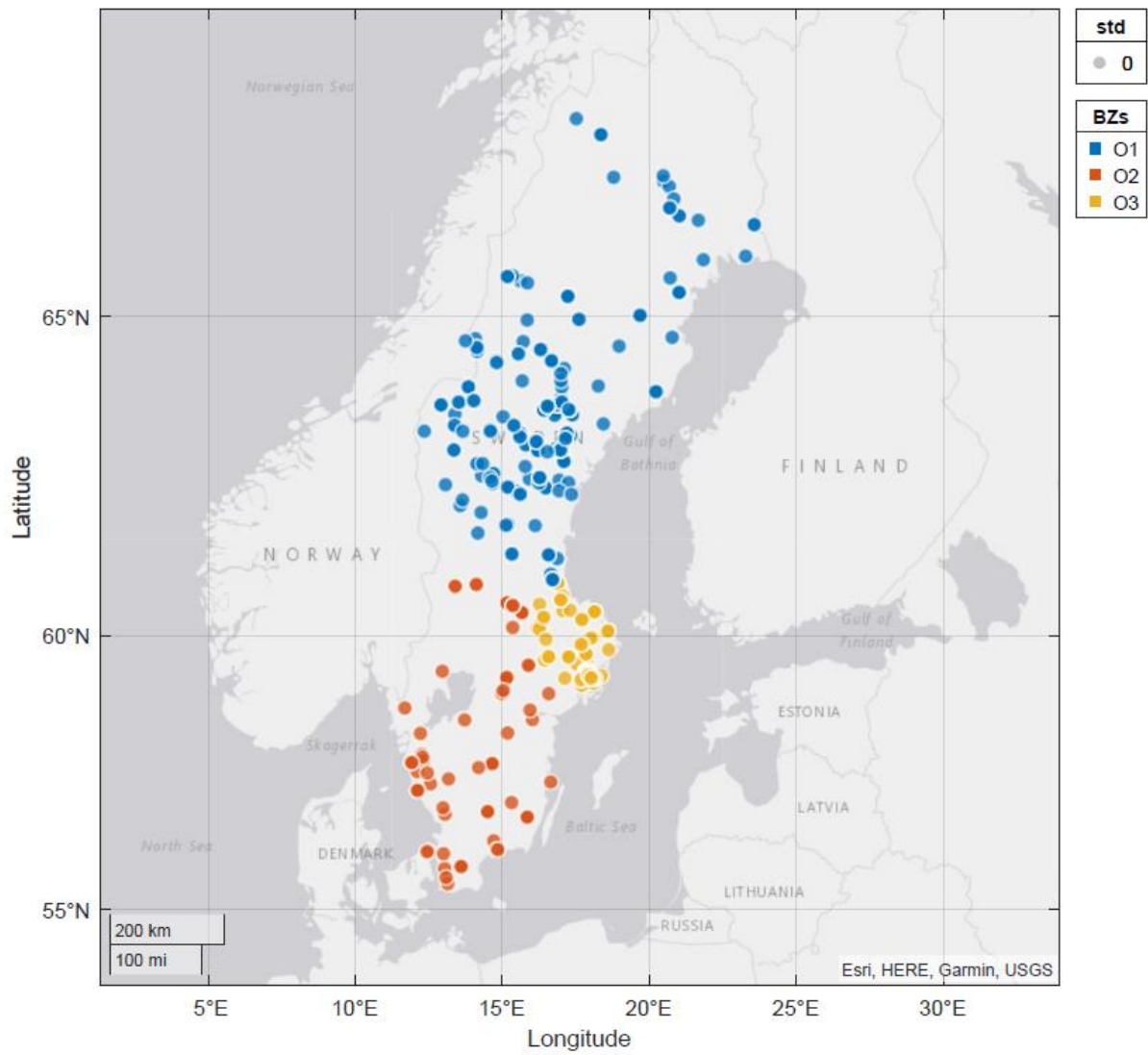
BZRR Nordic:

8. SE3 (Spectral P1)



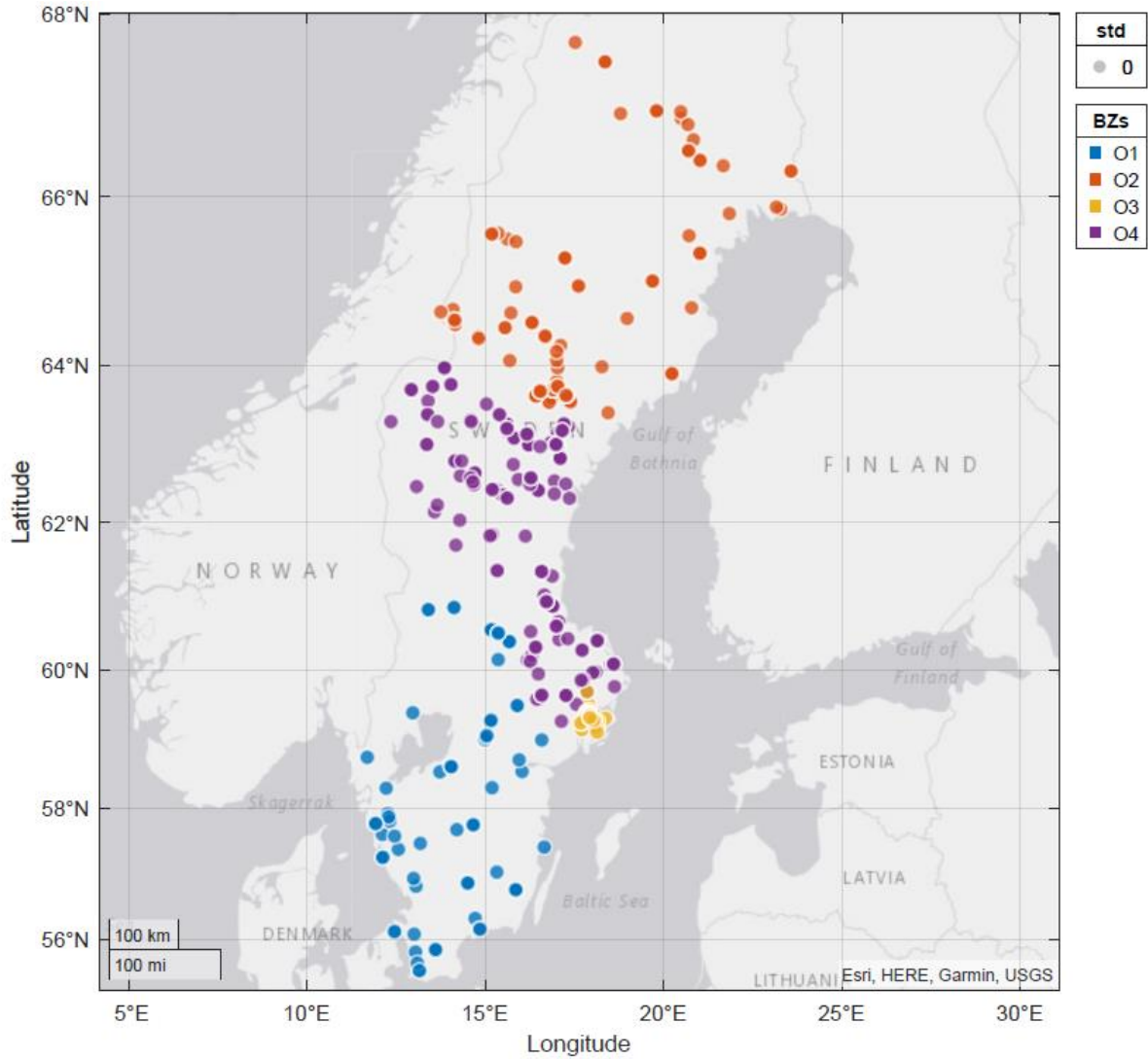
Note: O1, O2 and O3 are the three newly-defined Swedish bidding zones.

9. SE3 (Modified version of Spectral P1 following remarks provided by Svenska Kraftnät)



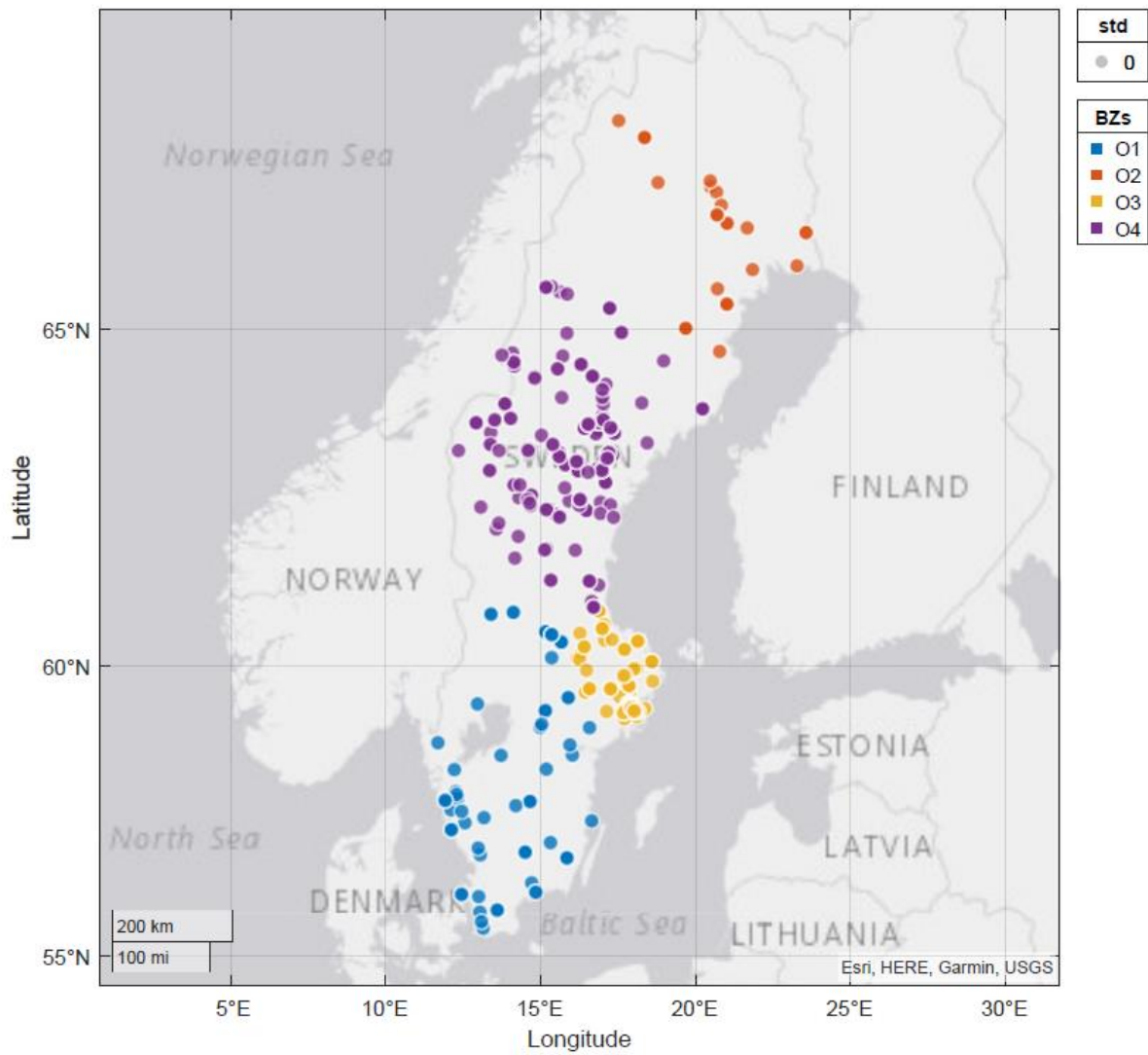
Note: O1, O2 and O3 are the three newly-defined Swedish bidding zones.

10. SE4 (Spectral P1)



Note: O1, O2, O3 and O4 are the four newly-defined Swedish bidding zones.

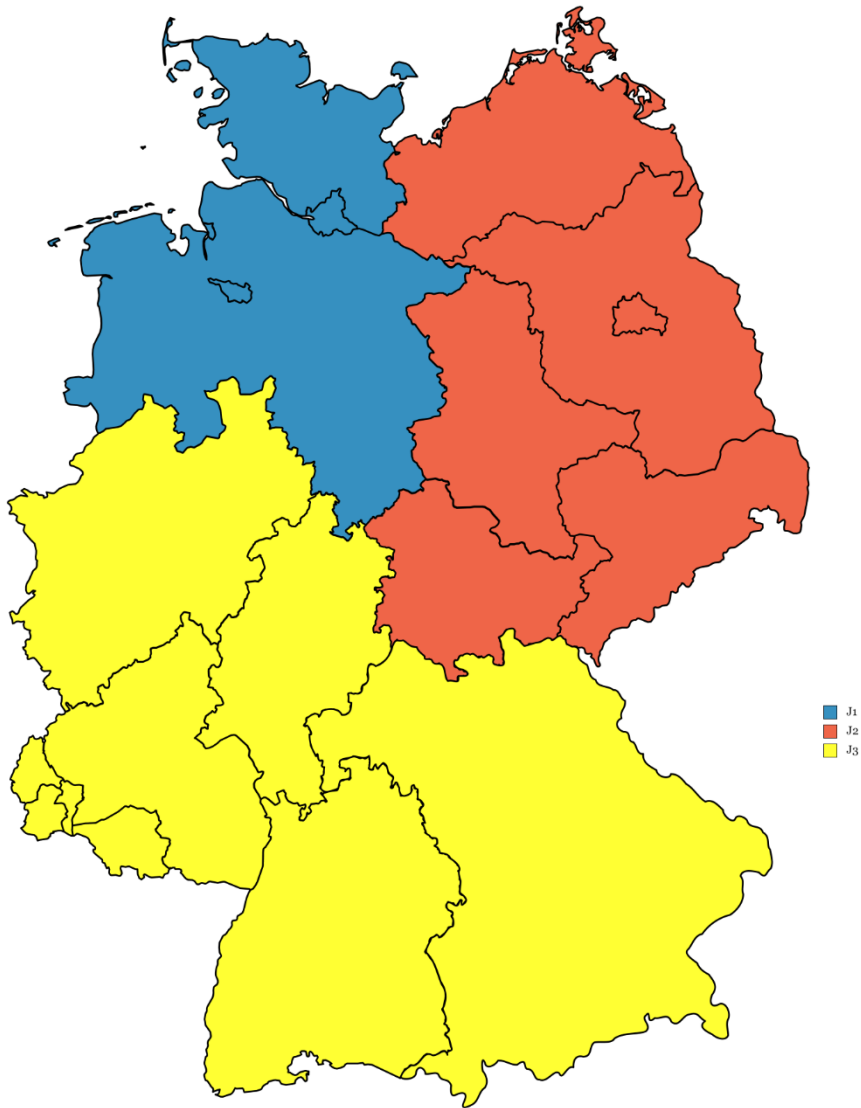
11. SE4 (Modified version of Spectral P1 following remarks provided by Svenska Kraftnät)



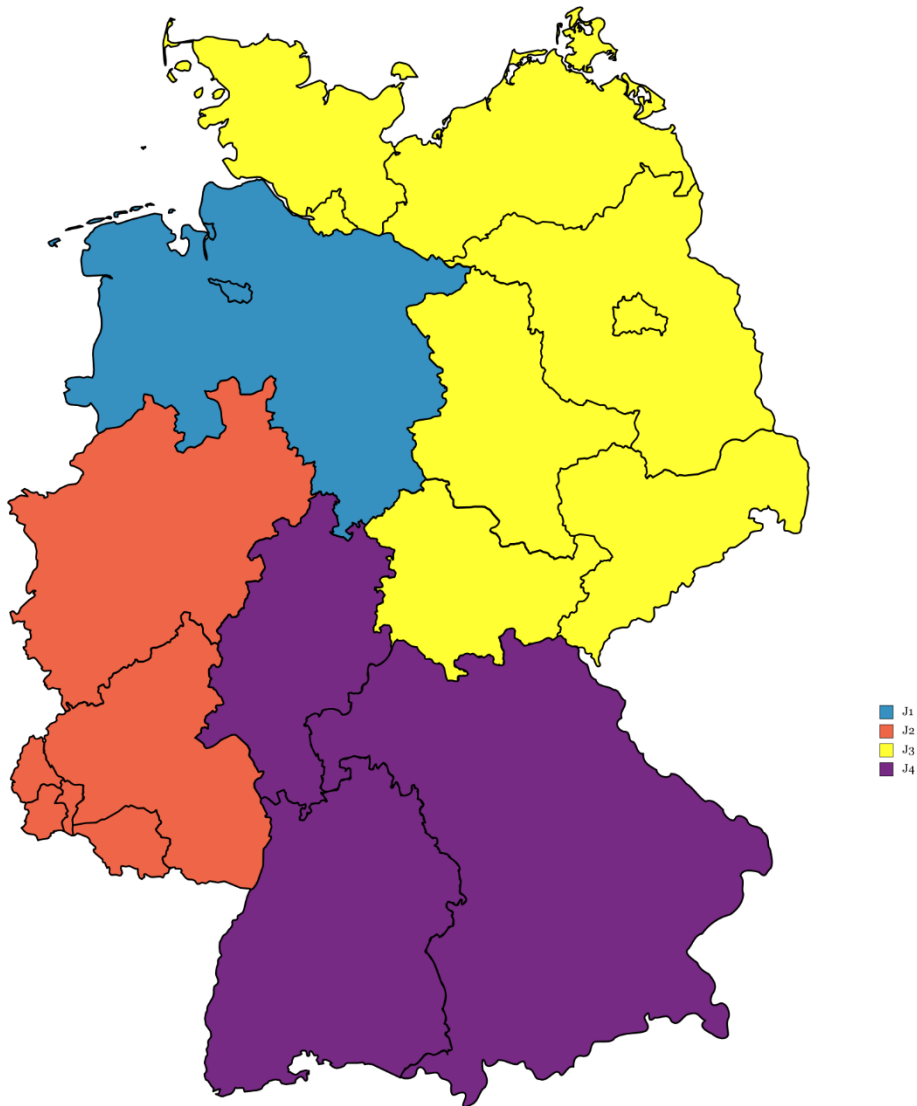
Note: O1, O2, O3 and O4 are the four newly-defined Swedish bidding zones. Bidding zone O2 corresponds to bidding zone SE1 in the status quo.

Fallback configurations:

12. DE3 (Modified version of configuration 3 to align with Amprion's control area borders)



13. DE4 (Modified version of configuration 4 to align with Amprion's control area borders)



14. DE5 (Modified version of configuration 13, including a new bidding zone in Schleswig-Holstein)

