

Supplementary materials for

Catalog of NO_x emissions from point sources as derived from the divergence of the NO₂ flux for TROPOMI

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This document provides additional figures:

- Figures S1 to S14 display the divergence maps with the identified point sources for all considered regions as listed in table 2 of the main paper.
- Figure S15 shows the correlation between power plant capacity and point source emissions for those regions with a sufficient number of power plants.

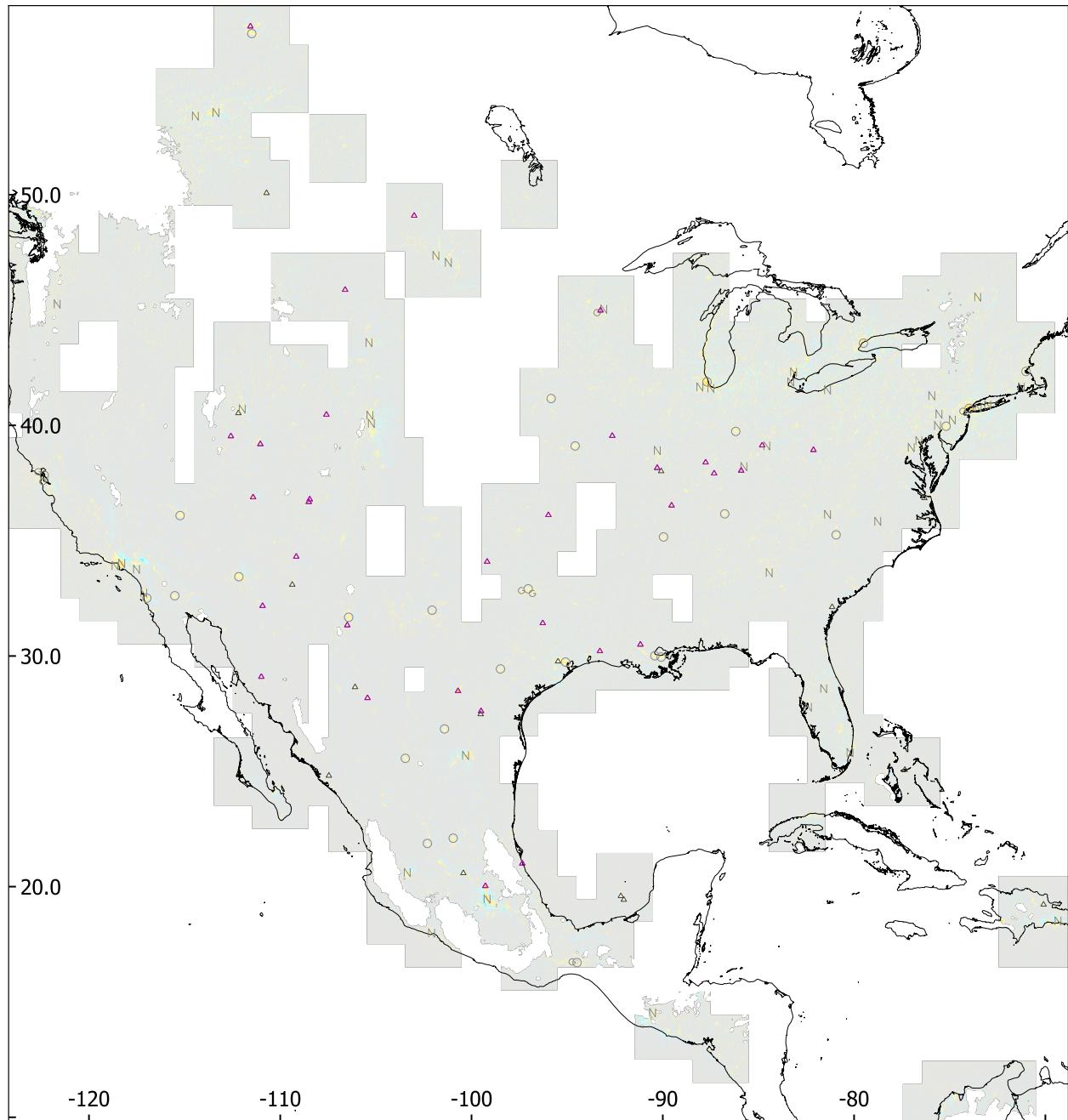


Fig. S 1. Divergence map and candidate classification results for North America.

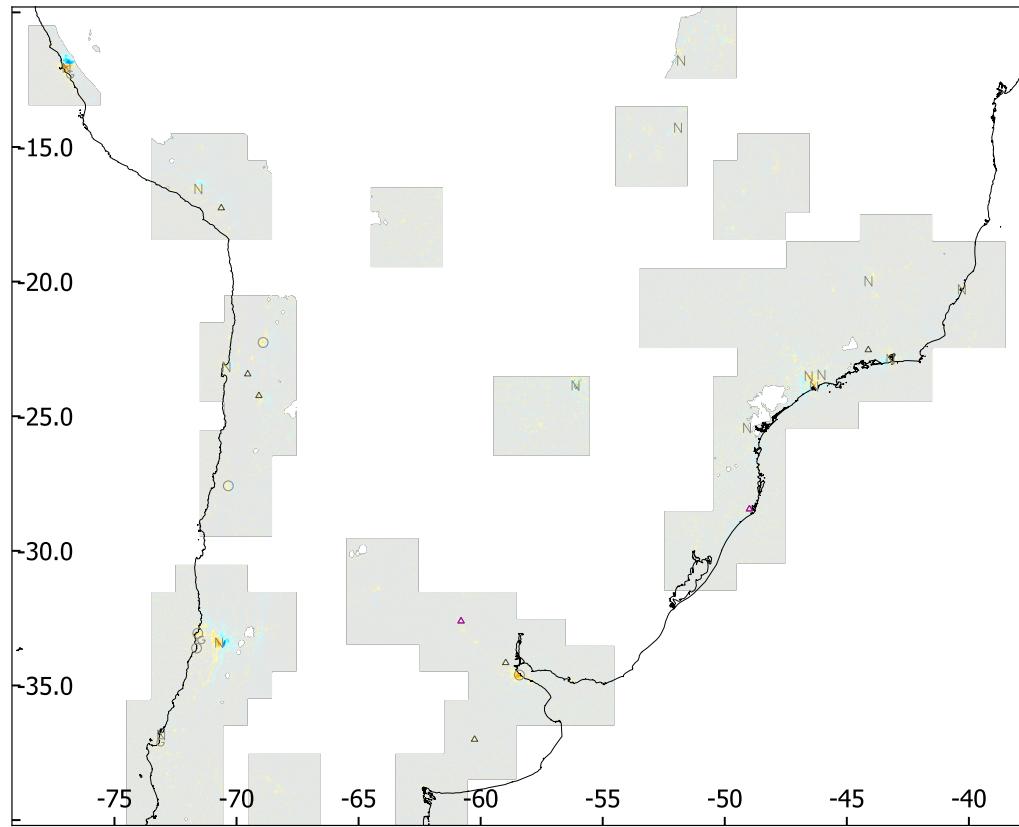


Fig. S 2. Divergence map and candidate classification results for South America.

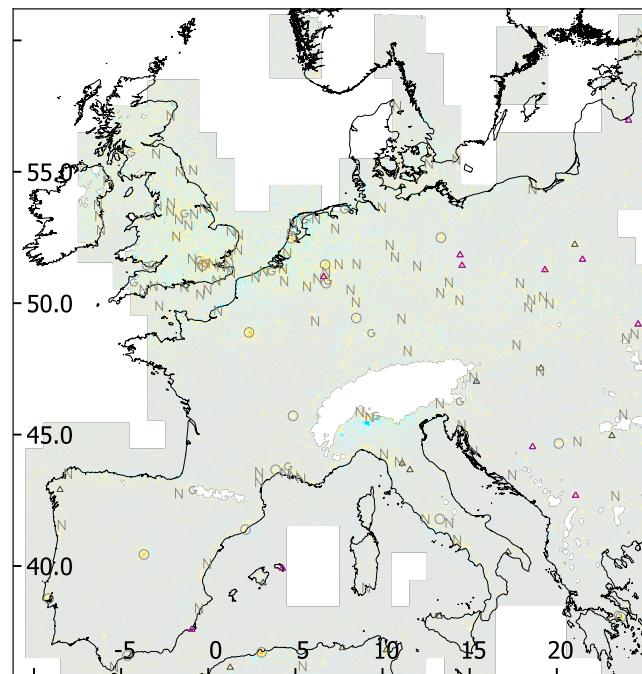


Fig. S 3. Divergence map and candidate classification results for Europe.

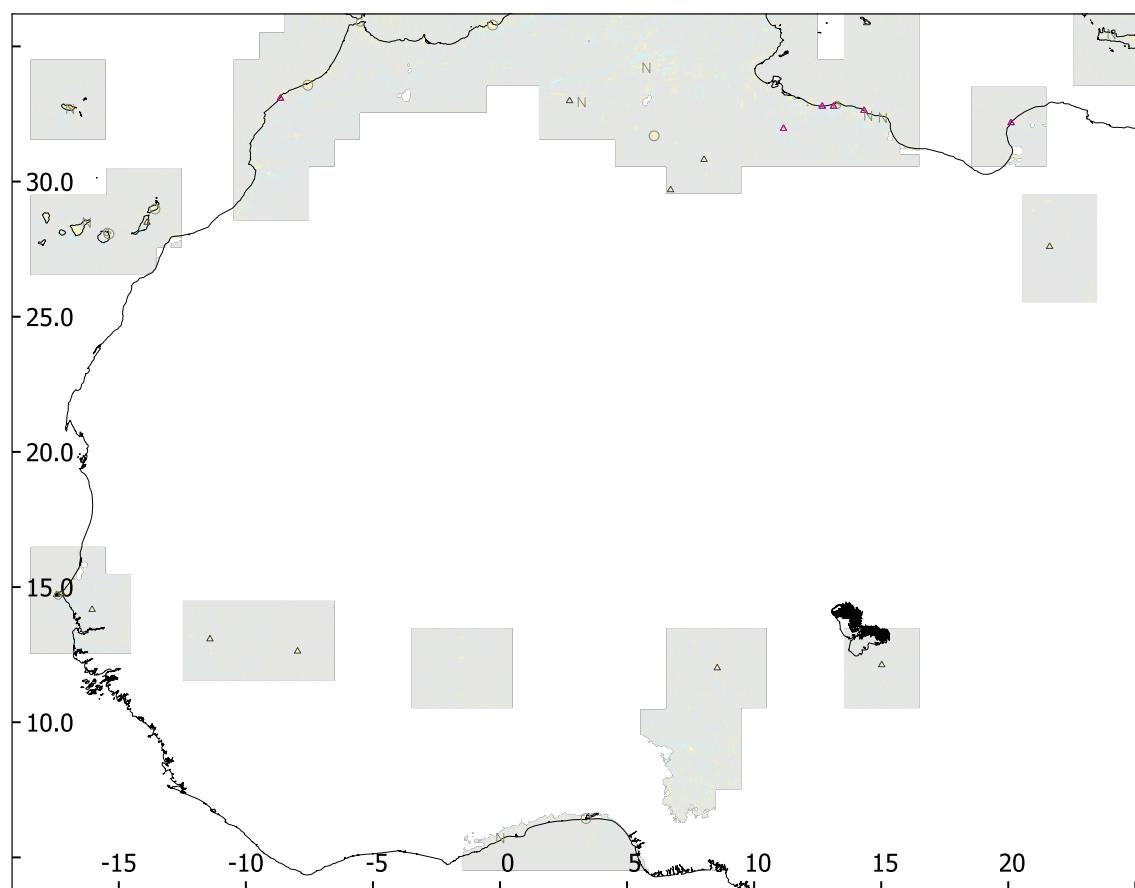


Fig. S 4. Divergence map and candidate classification results for West Africa.

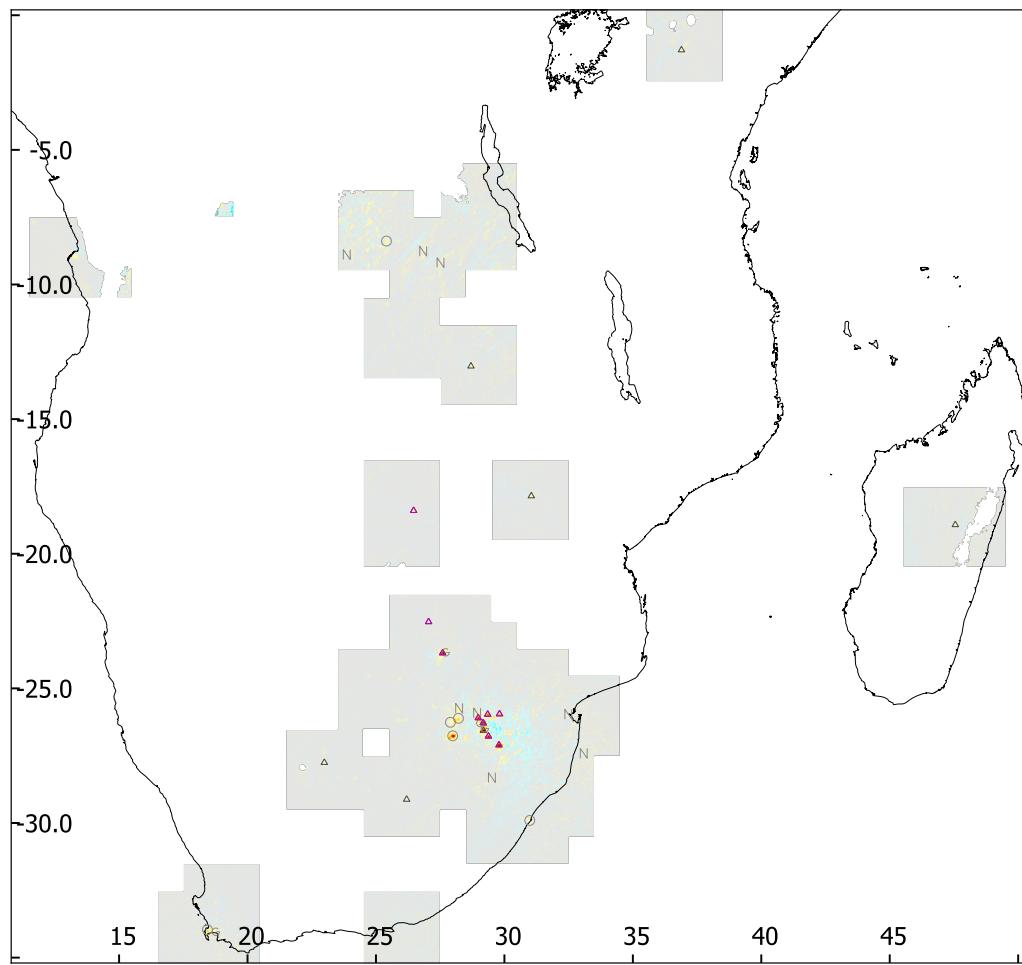


Fig. S 5. Divergence map and candidate classification results for South Africa.

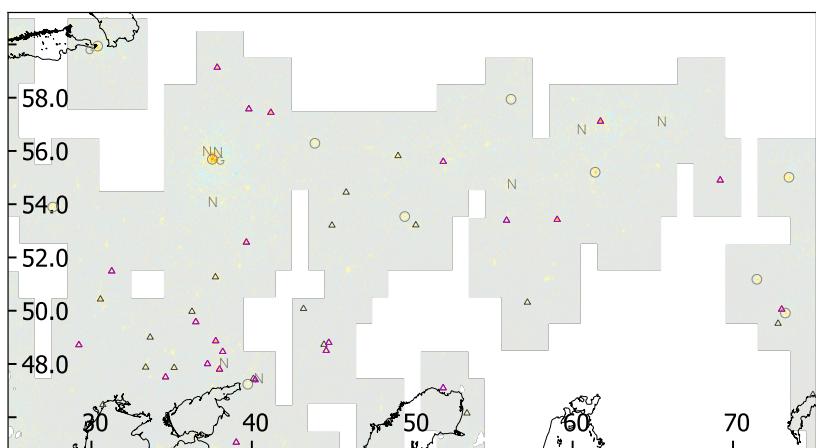


Fig. S 6. Divergence map and candidate classification results for West Russia/East Europe.

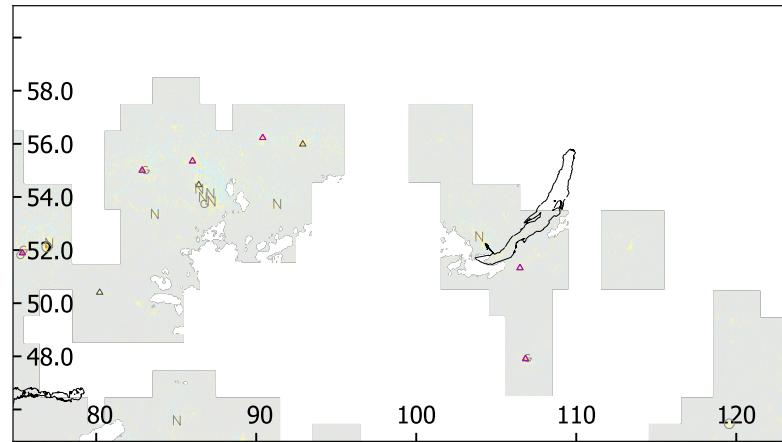


Fig. S 7. Divergence map and candidate classification results for Siberia/Mongolia.

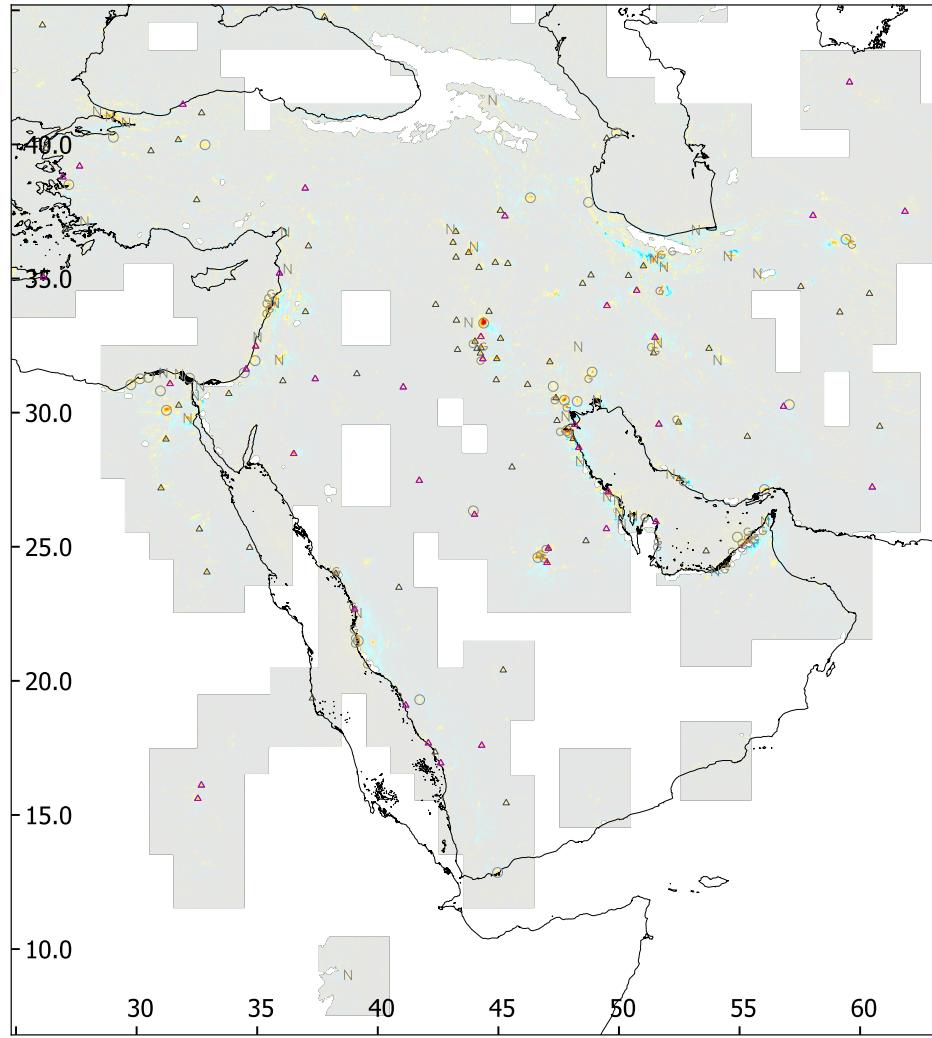


Fig. S 8. Divergence map and candidate classification results for Middle East.

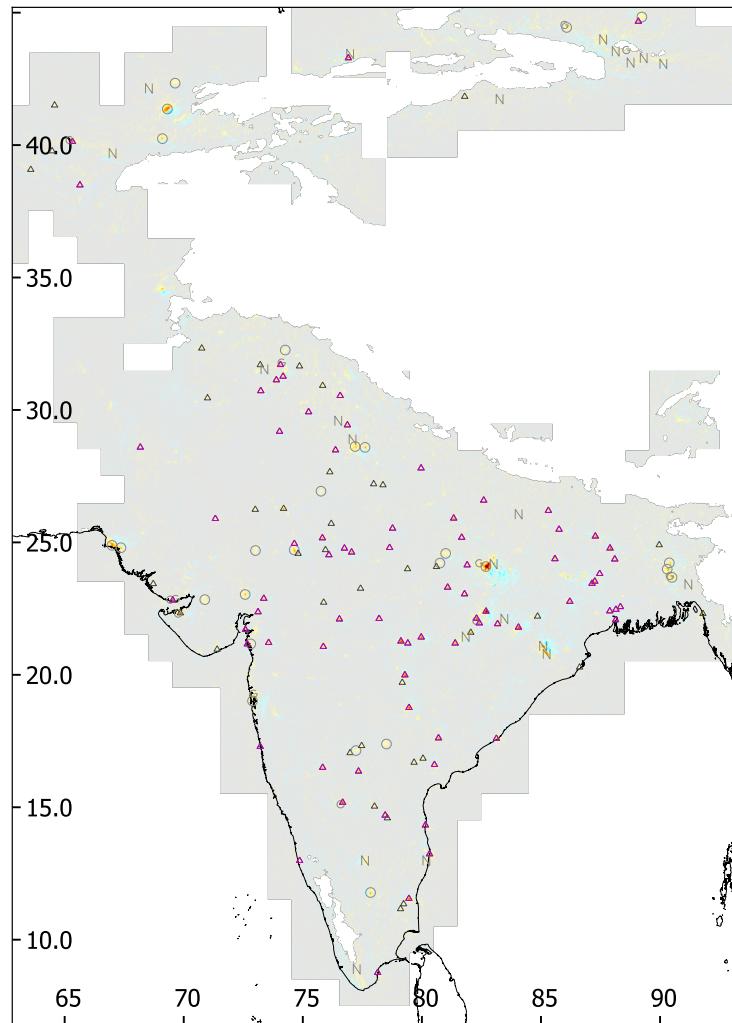


Fig. S 9. Divergence map and candidate classification results for India/Pakistan/West China.

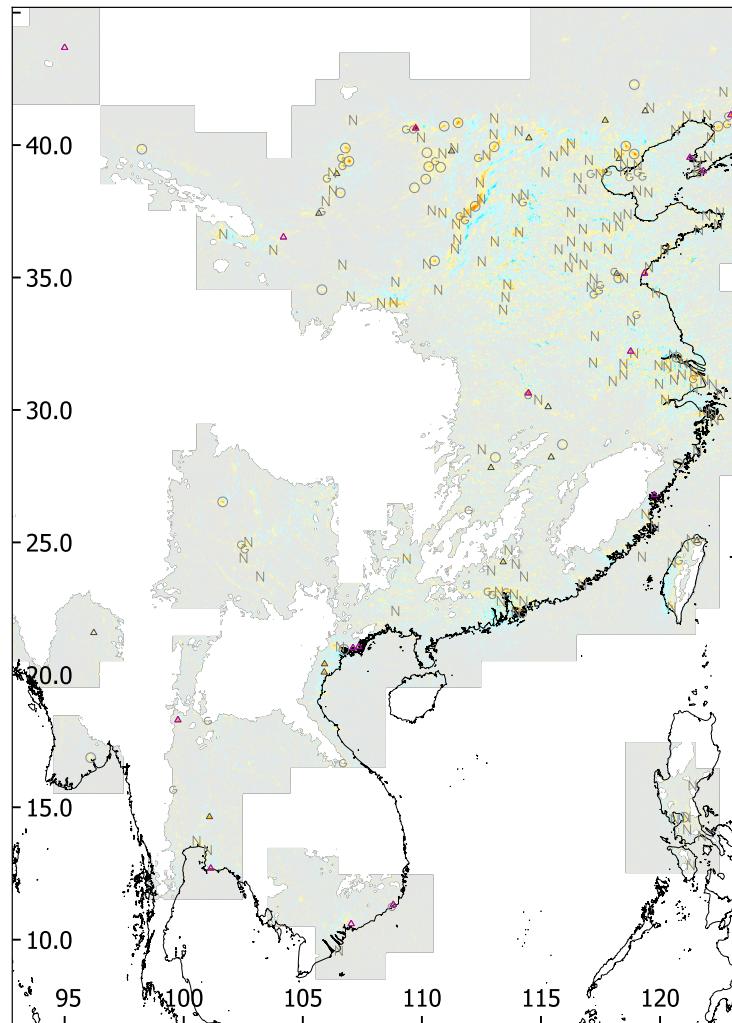


Fig. S 10. Divergence map and candidate classification results for East China/South East Asia.

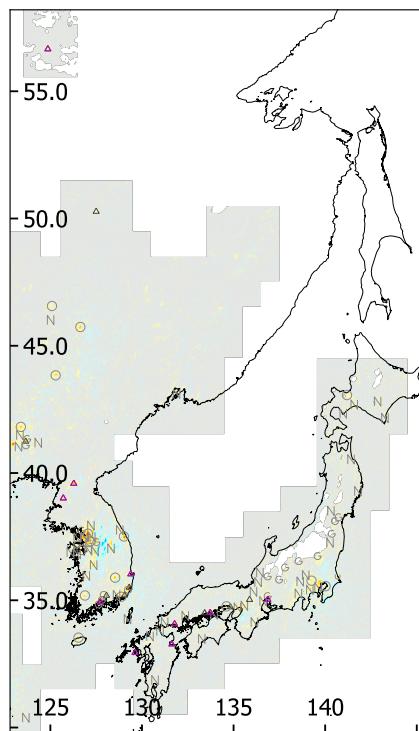


Fig. S 11. Divergence map and candidate classification results for East Asia.

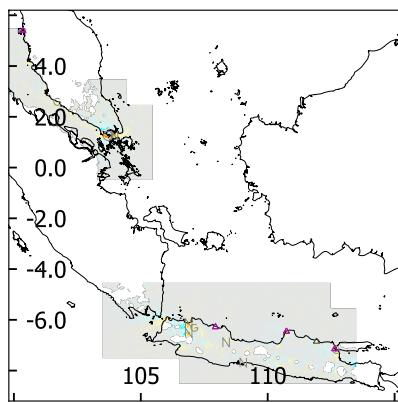


Fig. S 12. Divergence map and candidate classification results for Indonesia/Malaysia.

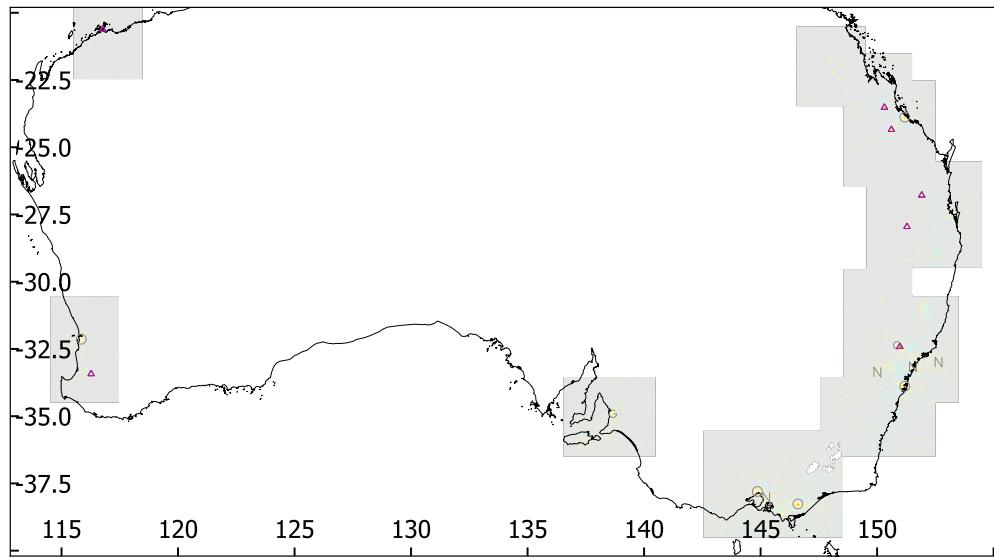


Fig. S 13. Divergence map and candidate classification results for Australia.

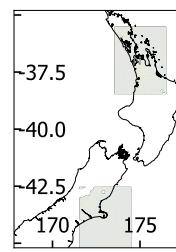


Fig. S 14. Divergence map and candidate classification results for New Zealand.

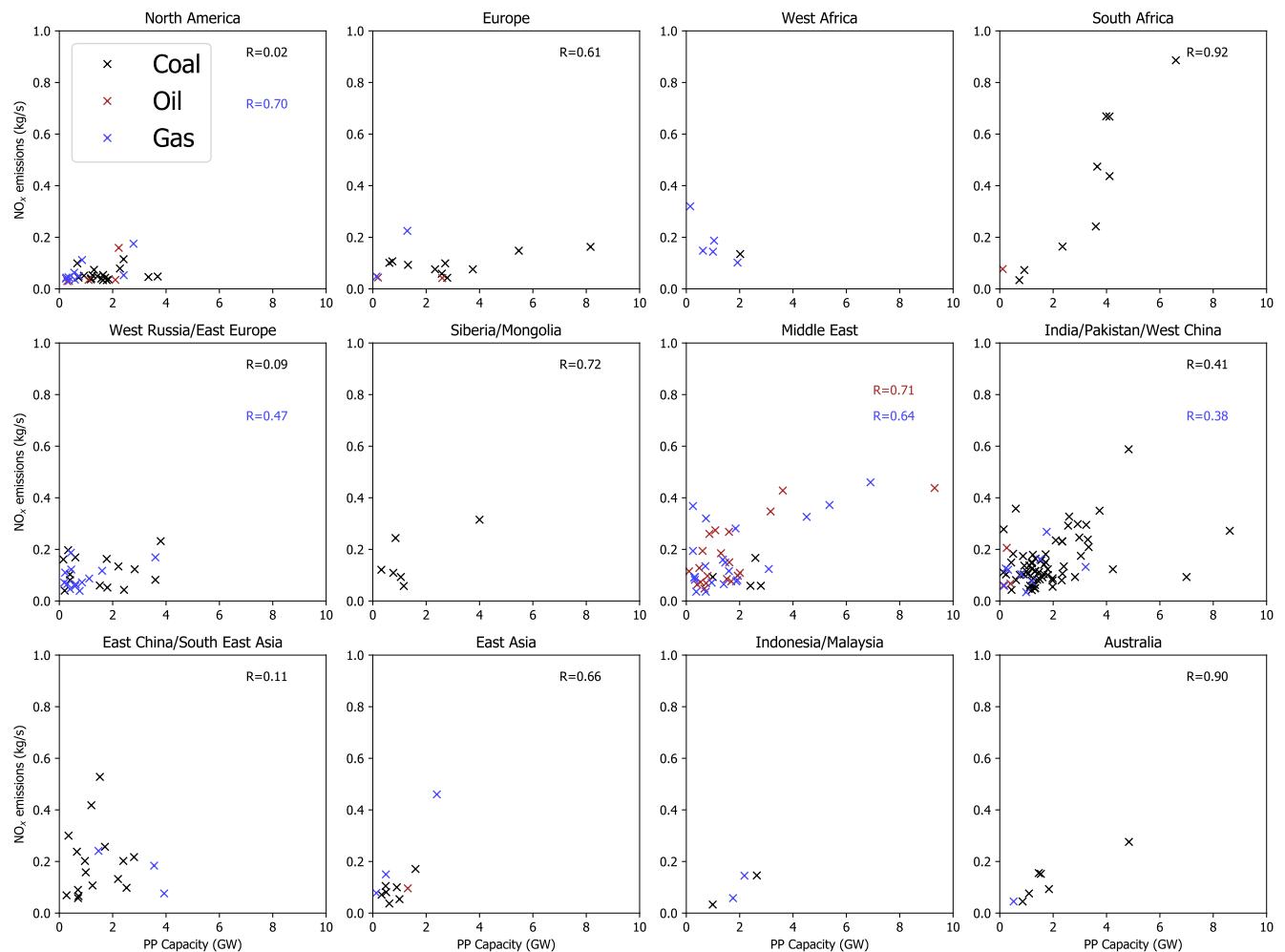


Fig. S 15. Correlation between point source emissions and PP capacity for the considered regions, except New Zealand (0 PS/0 PP) and South America (8 PS/2 PP). Correlation coefficients are displayed if more than 5 data points are available.