Supplementary materials for

Catalog of NO\textsubscript{x} emissions from point sources
as derived from the divergence of the NO\textsubscript{2} 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.