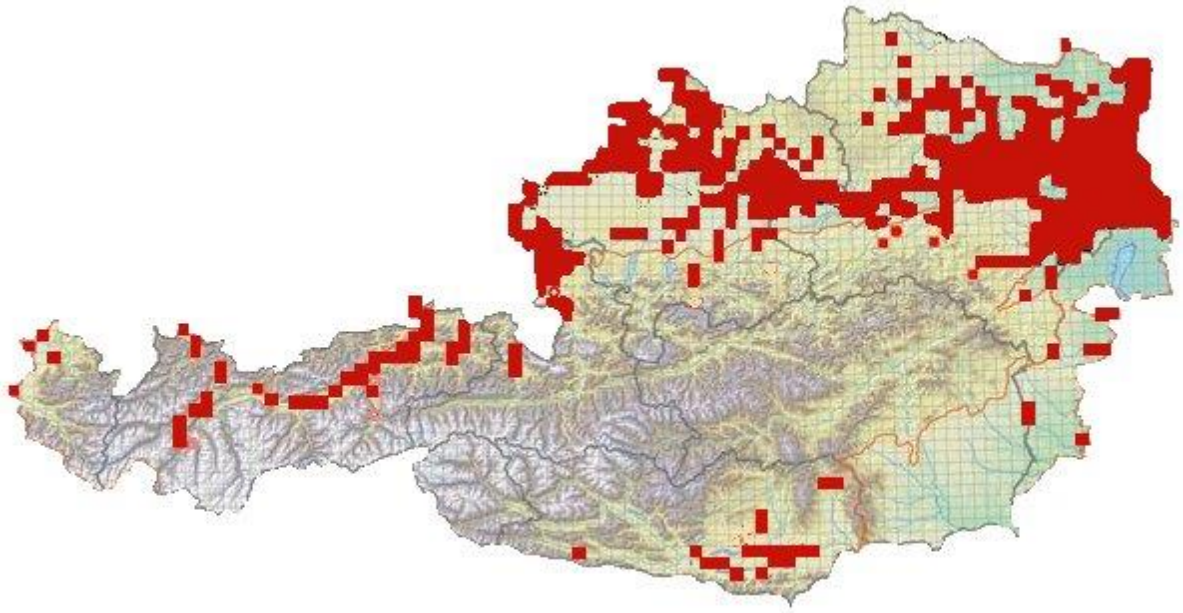
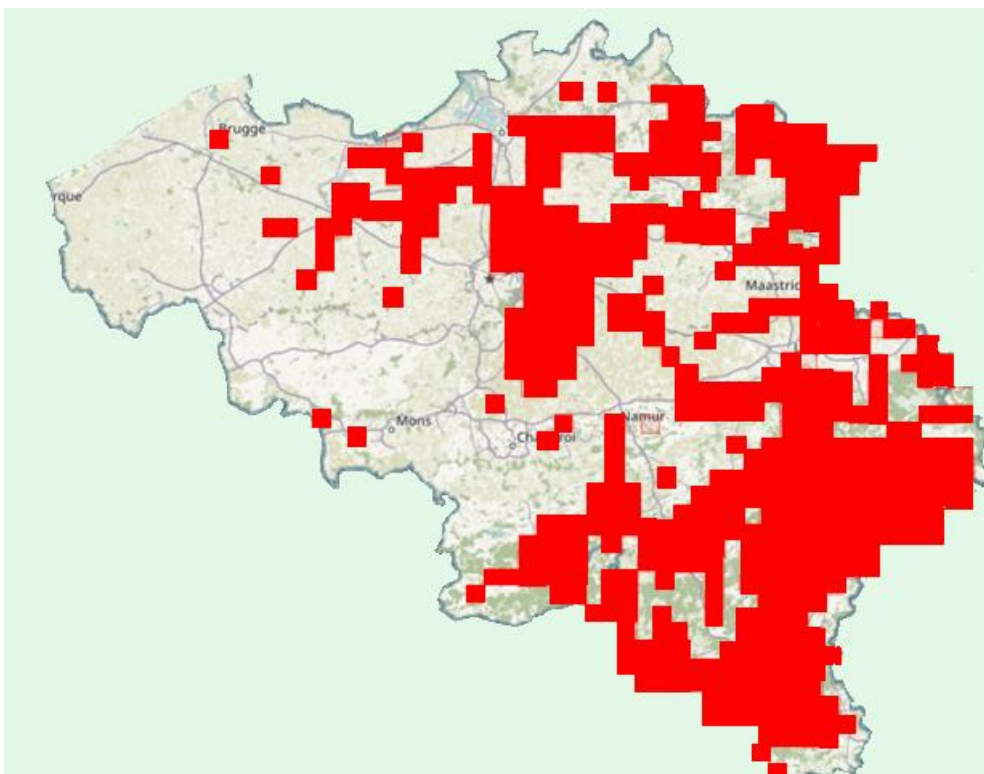


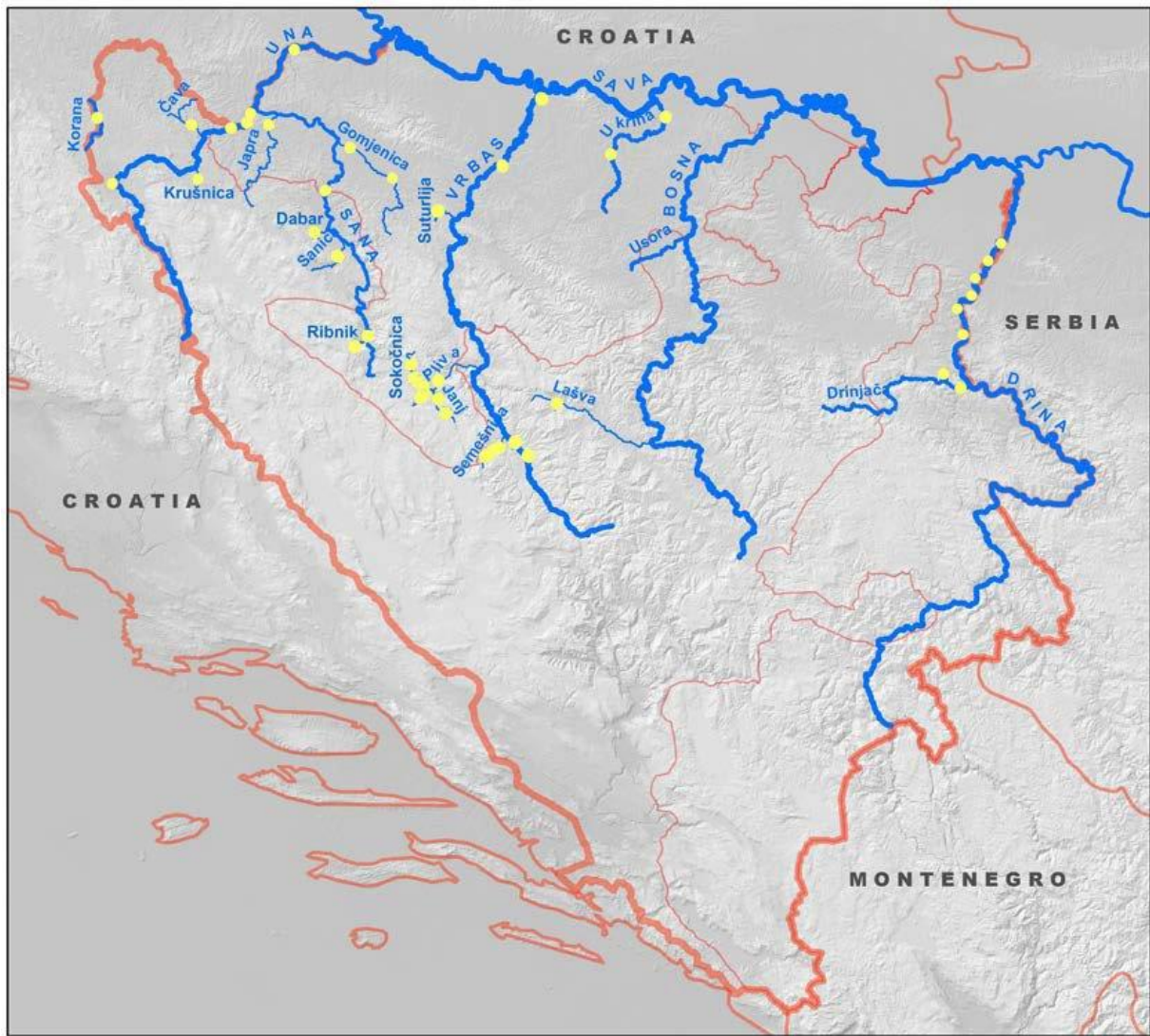
## 1 Online appendix



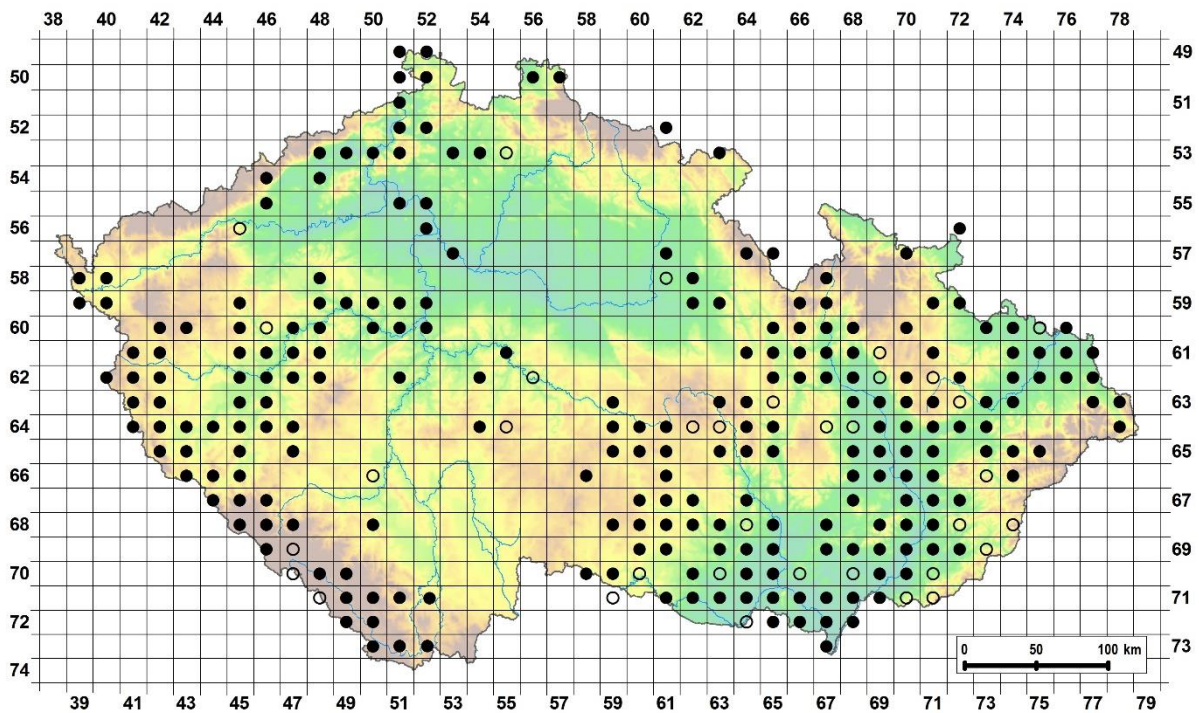
Appendix S1 – Beaver distribution in Austria in 2012 (Source:  
<https://www.dib.boku.ac.at/iwi/forschung/projekte-aktuelle-informationen/der-biber-castor-fiber-in-oesterreich/> , reproduced with permission).



Appendix S2 – Beaver distribution in Belgium in 2016, redrawn from information in  
Bernaerts 2016.



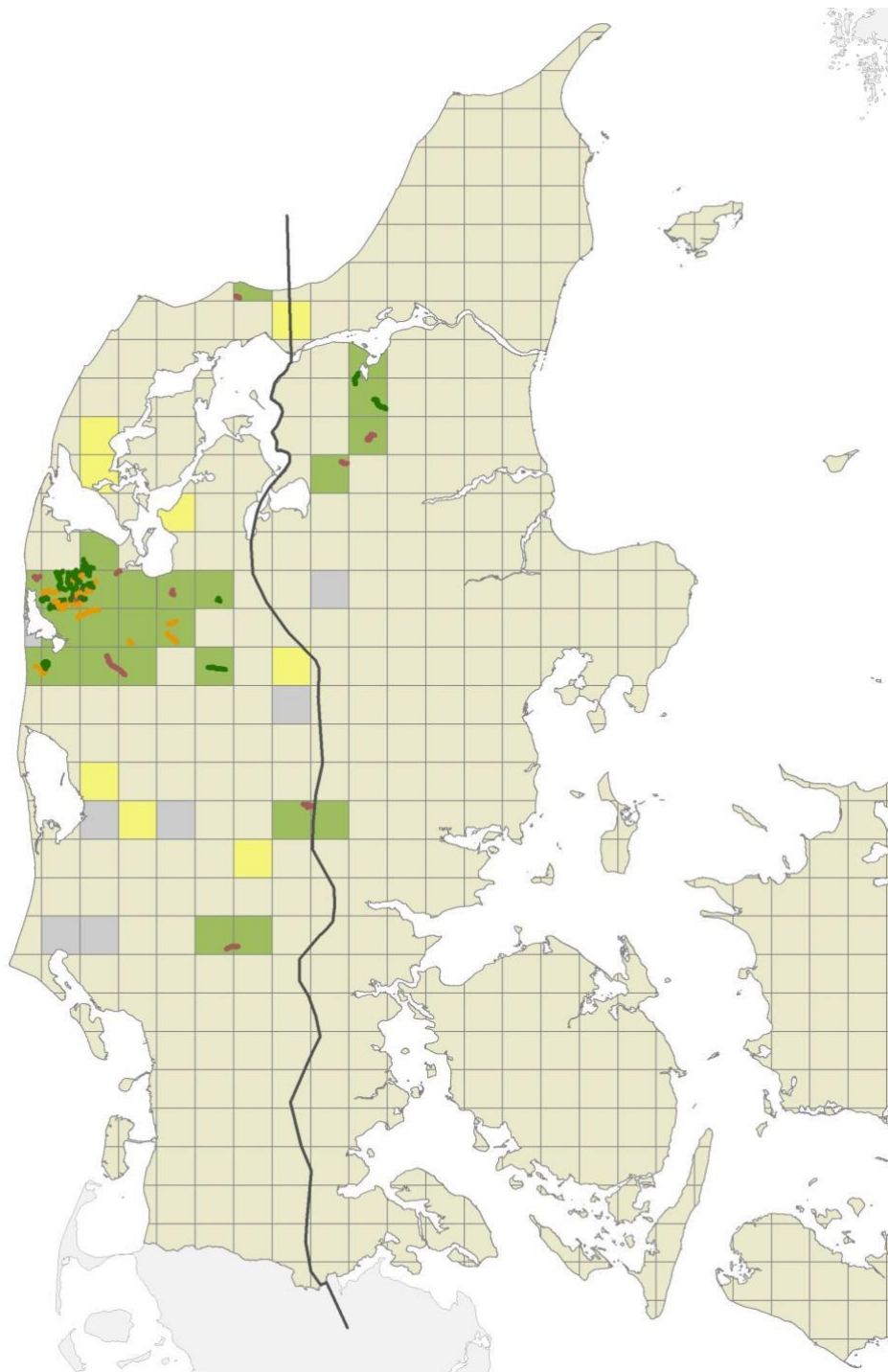
Appendix S3 – Beaver distribution in Bosnia & Herzegovina in 2015. Source: Trbojević &  
Trbojević (2016), reproduced with permission.



14

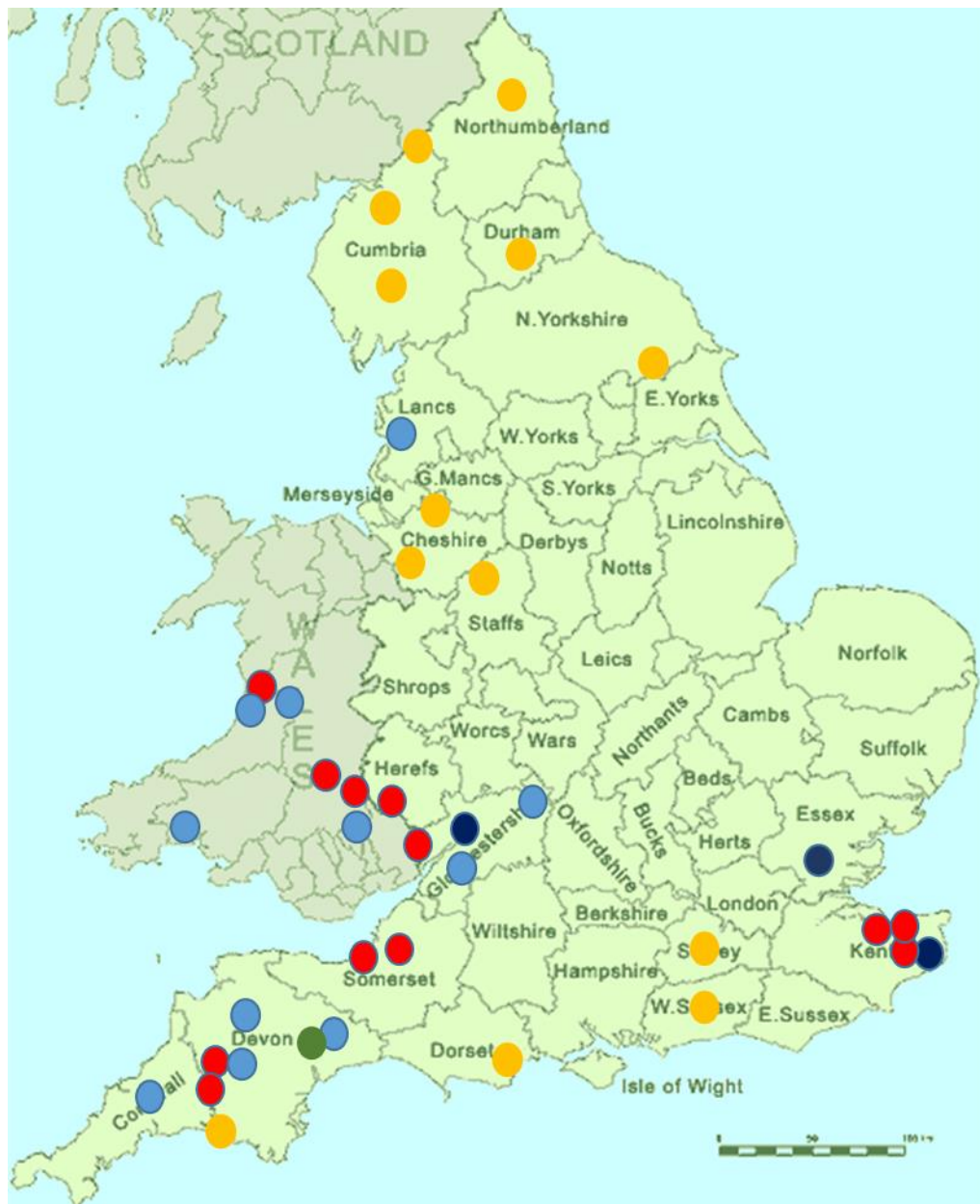
15 Appendix S4 – Beaver distribution in the Czech Republic in 2015. Filled circles indicate  
 16 occupied grid squares; open circles formerly occupied grid squares. Source: Vorel &  
 17 Korbelova (eds.) 2016, reproduced with permission.





18

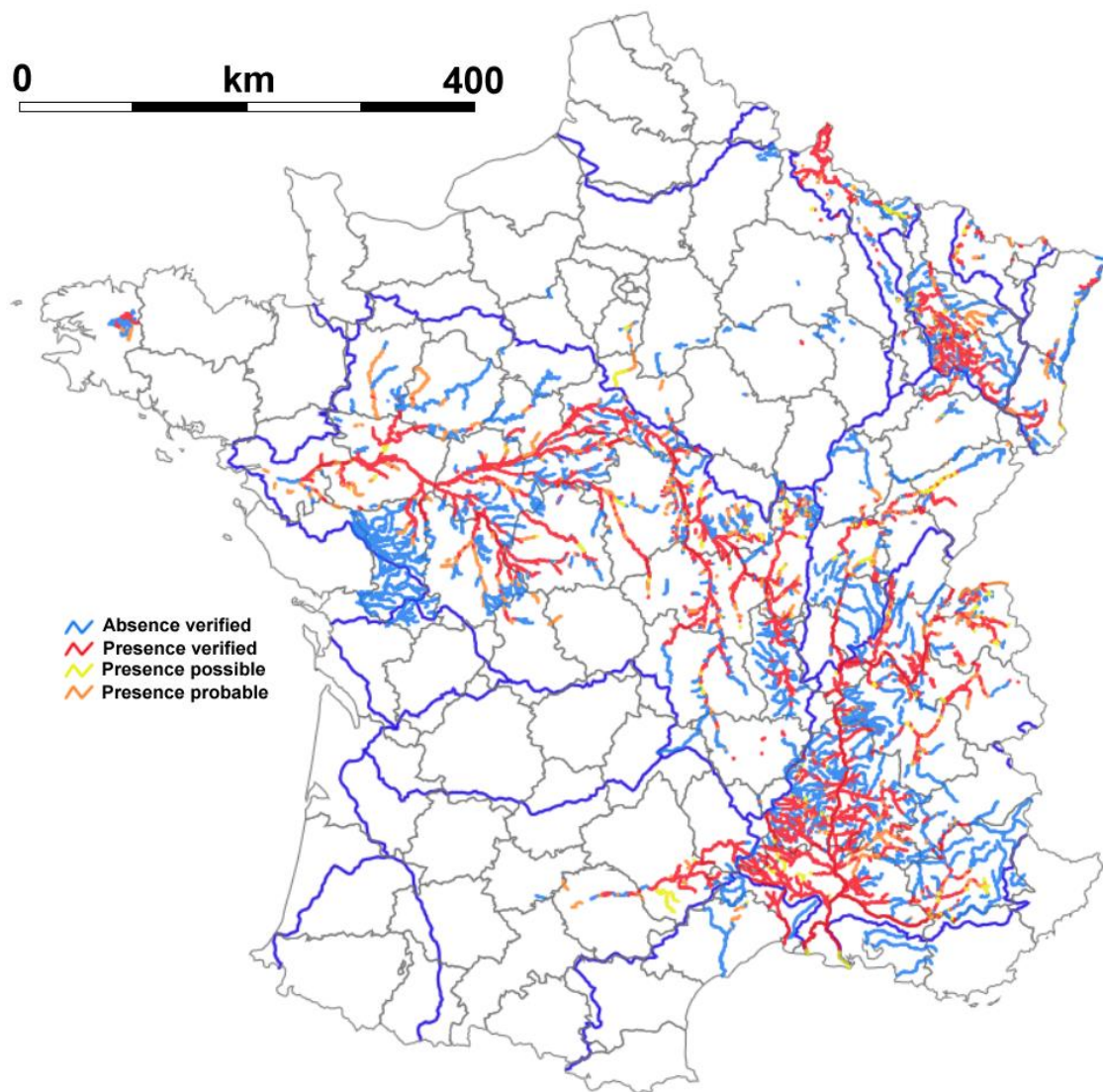
19 Appendix S5. Beaver distribution in Jylland, Denmark in 2017. Green indicates permanently  
 20 occupied grid squares, with dark green sections indicating sites with confirmed breeding,  
 21 and orange sections probable breeding. Yellow grid squares indicate recent activity  
 22 (2015-17) but not permanent settlement. Grey squares indicate activity but not permanent  
 23 settlement before 2015. The thick line indicates the boundary between oceanic (west) and  
 24 continental (east) bioregions in the European Environmental Agency classification. Source:  
 25 Elmeros 2017, reproduced with permission.



26

27 Appendix S6. Beaver distribution in England and Wales in 2018. Green = licensed, free living  
 28 population; red escaped or illegally released population; purple population in licensed  
 29 fenced enclosure (no artificial feeding); blue population in unfenced enclosure (no  
 30 artificial feeding); orange proposed fenced and free-living releases. Source: Swaile et al.  
 31 2018, reproduced with permission.

32



33

34 Appendix S7. Beaver distribution in France in 2019. Blue = river stretches where absence was  
 35 verified by survey; red where presence verified; yellow where presence possible; and orange  
 36 presence probable. Reproduced with permission from Office Française du Biodiversité.

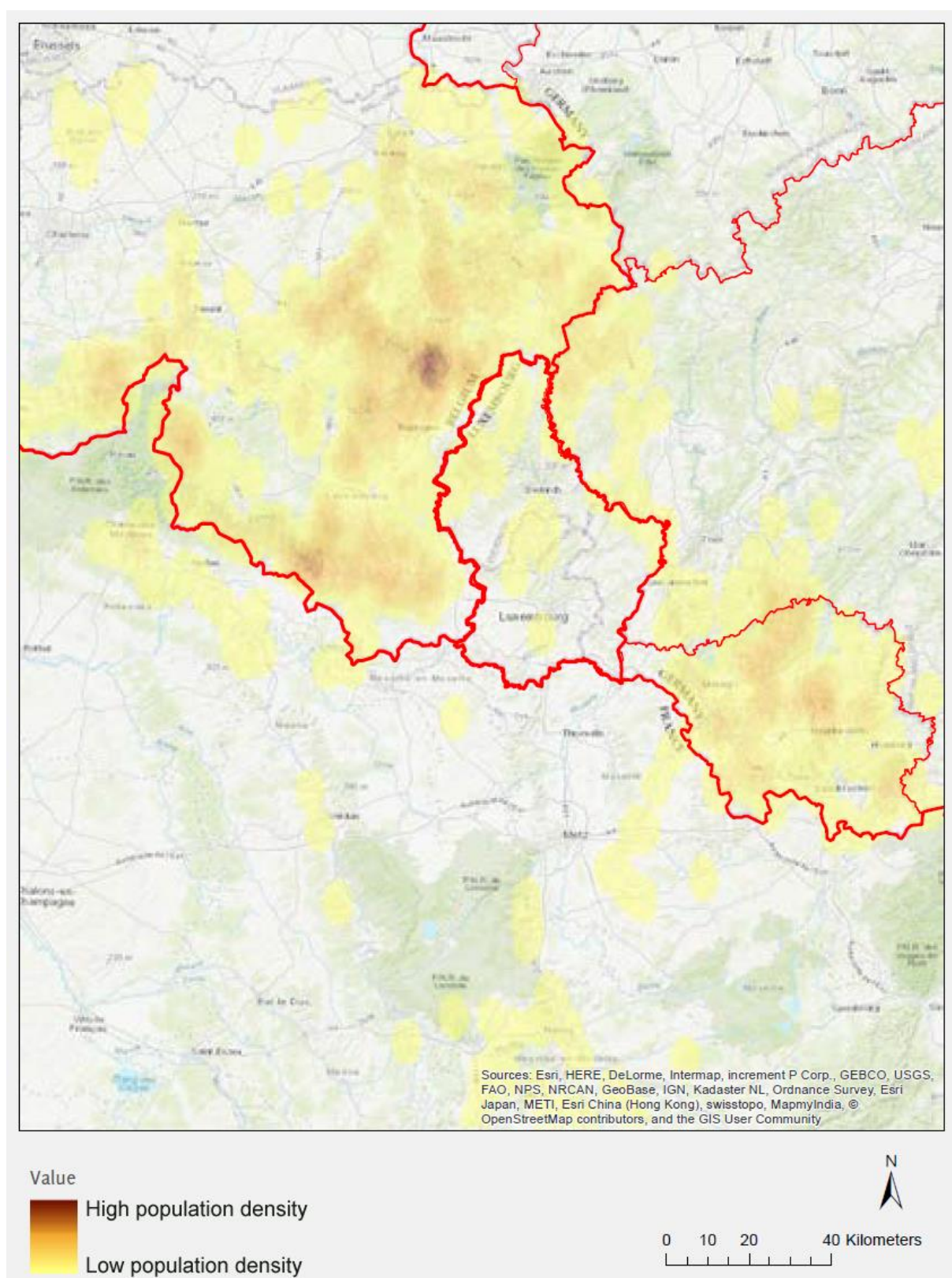


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39 Appendix S8. Beaver distribution in Germany in 2017. Redrawn from Stolz (2017) with  
 40 additional information from Gerhard Schwab (pers. comm.).

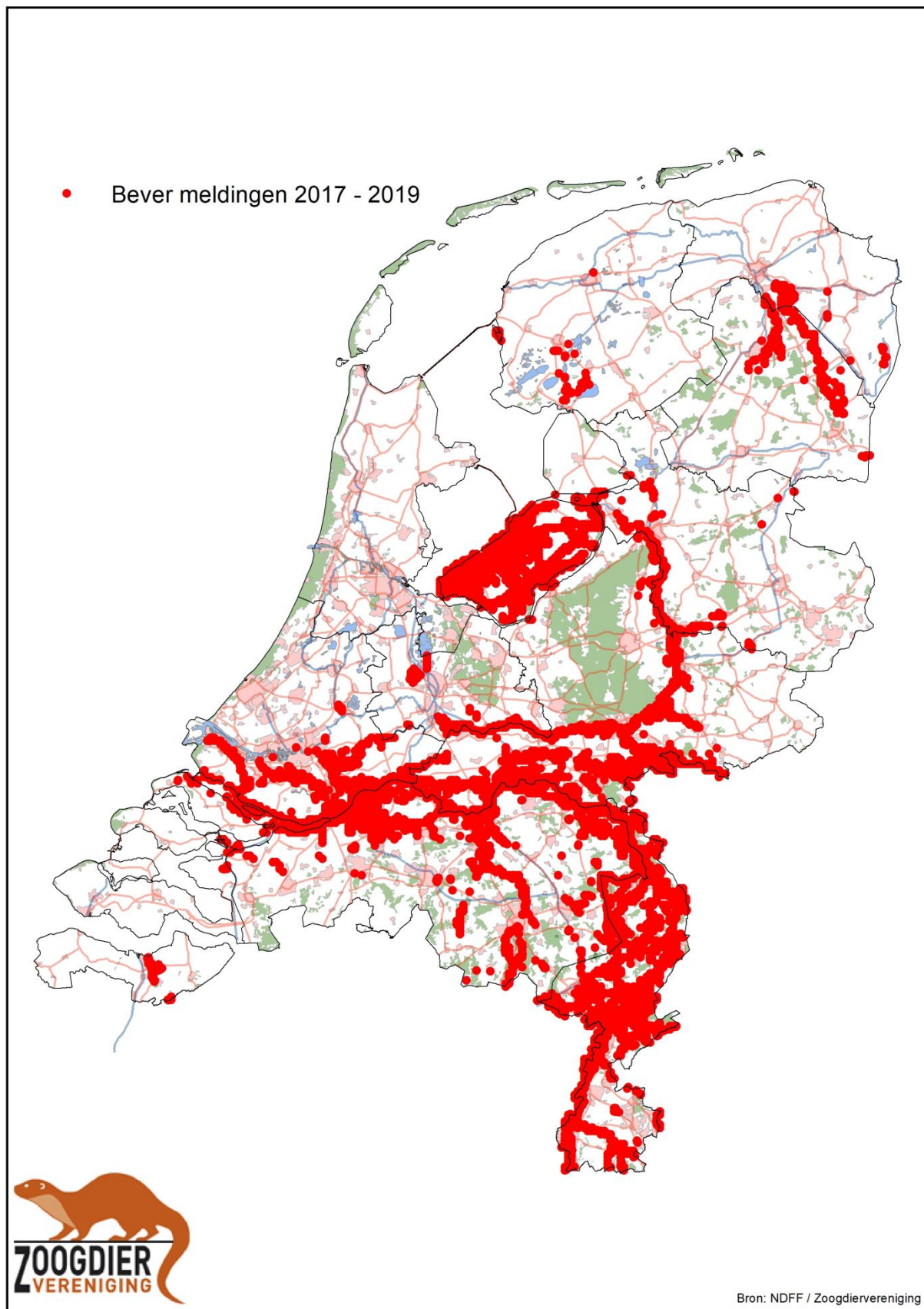




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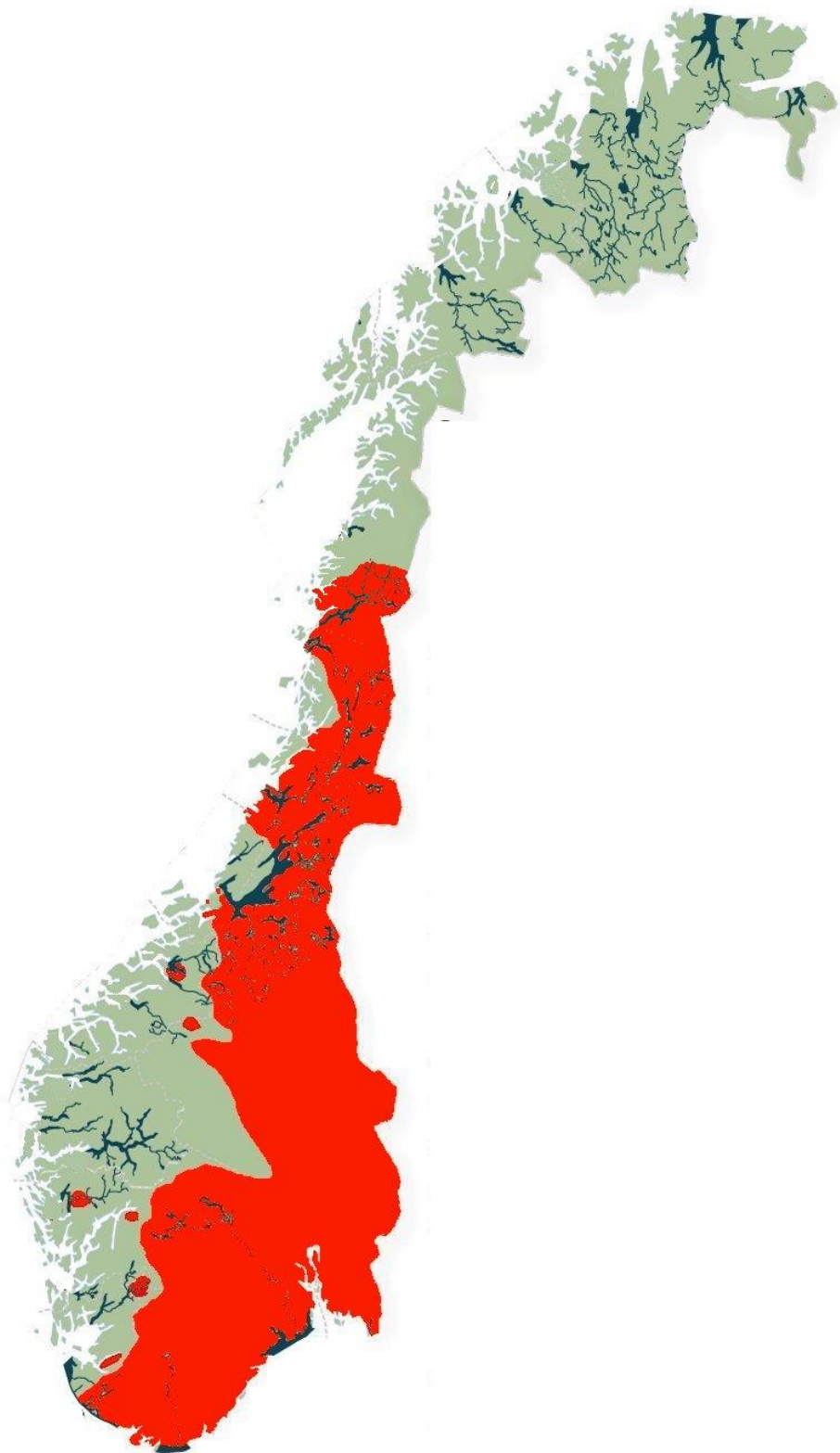
42 Appendix S9. Beaver distribution in Luxembourg and adjacent regions. Source: Herr et al.  
 43 2018, reproduced with permission.





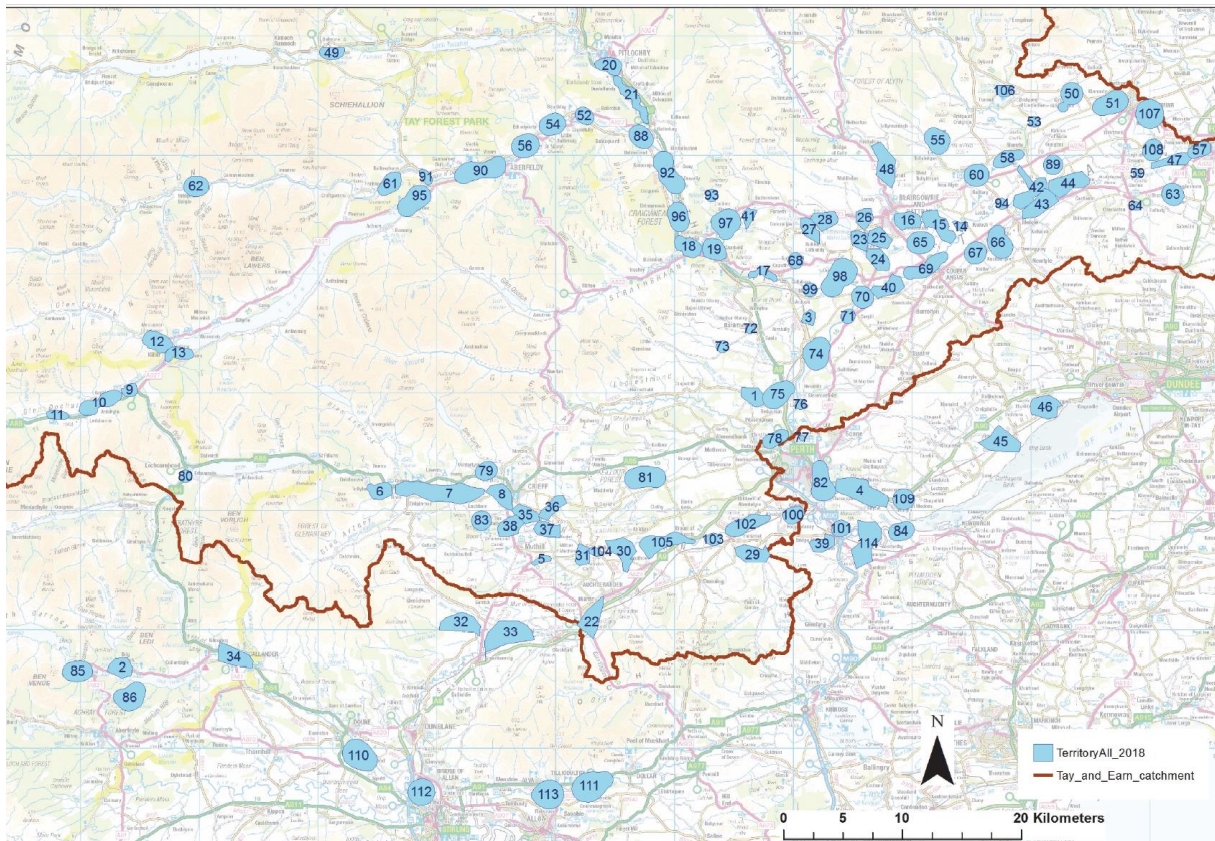
44

45 Appendix S10. Beaver distribution in the Netherlands in 2017-19. Map is Creative Commons  
46 licensed for use in scientific publications.(V. Dijkstra, pers. comm.). Source: NDFF  
47 <https://www.zoogdierveniging.nl/nieuws/2019/beverpopulatie-blijft-groeien>

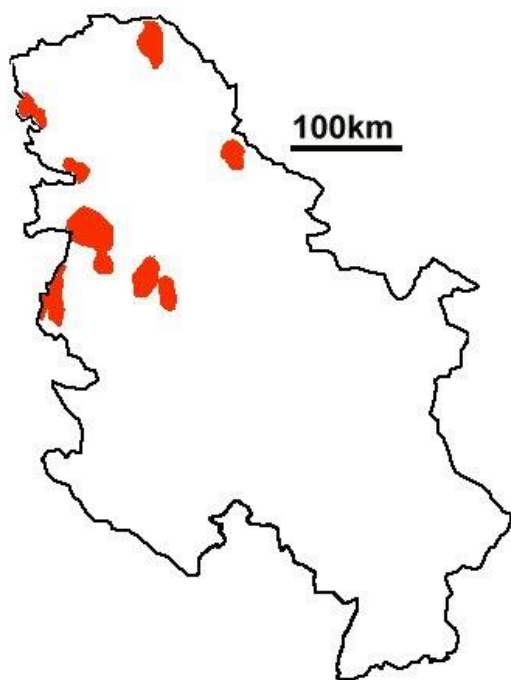


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49 Appendix S11. Distribution of beavers in Norway in 2019. Source: authors,  
50 <http://www.artsdatabanken.no>

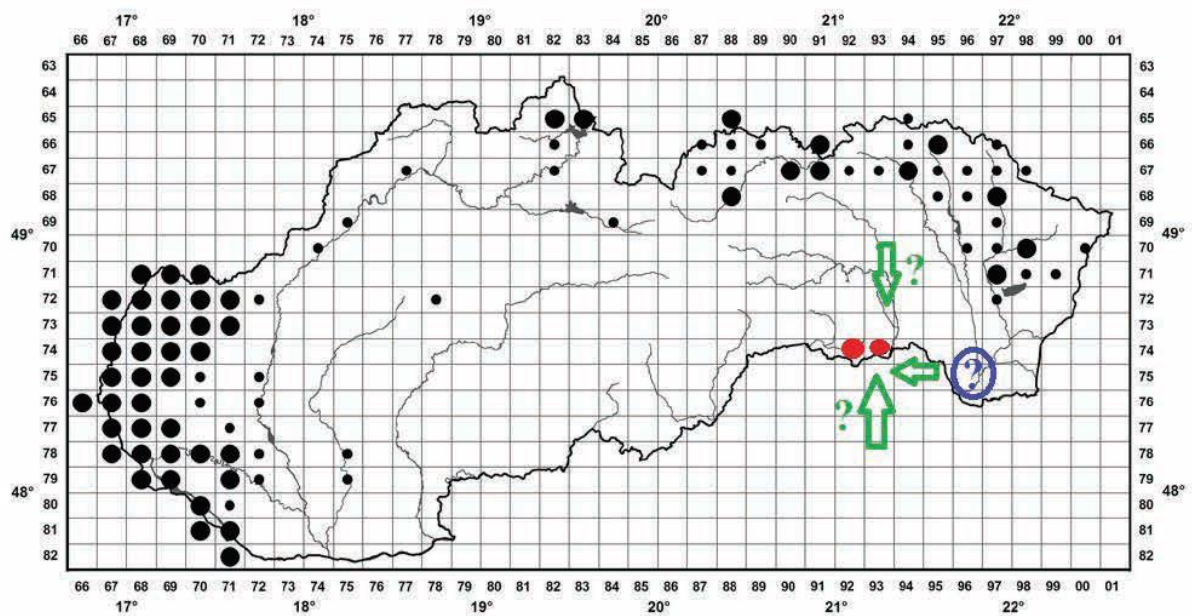


Appendix S12. Distribution of beaver territories in Scotland, Tay and Forth watersheds. The small population in the Knapdale peninsula, west Scotland, is not shown. Reproduced with permission from Campbell-Palmer et al. (2018)

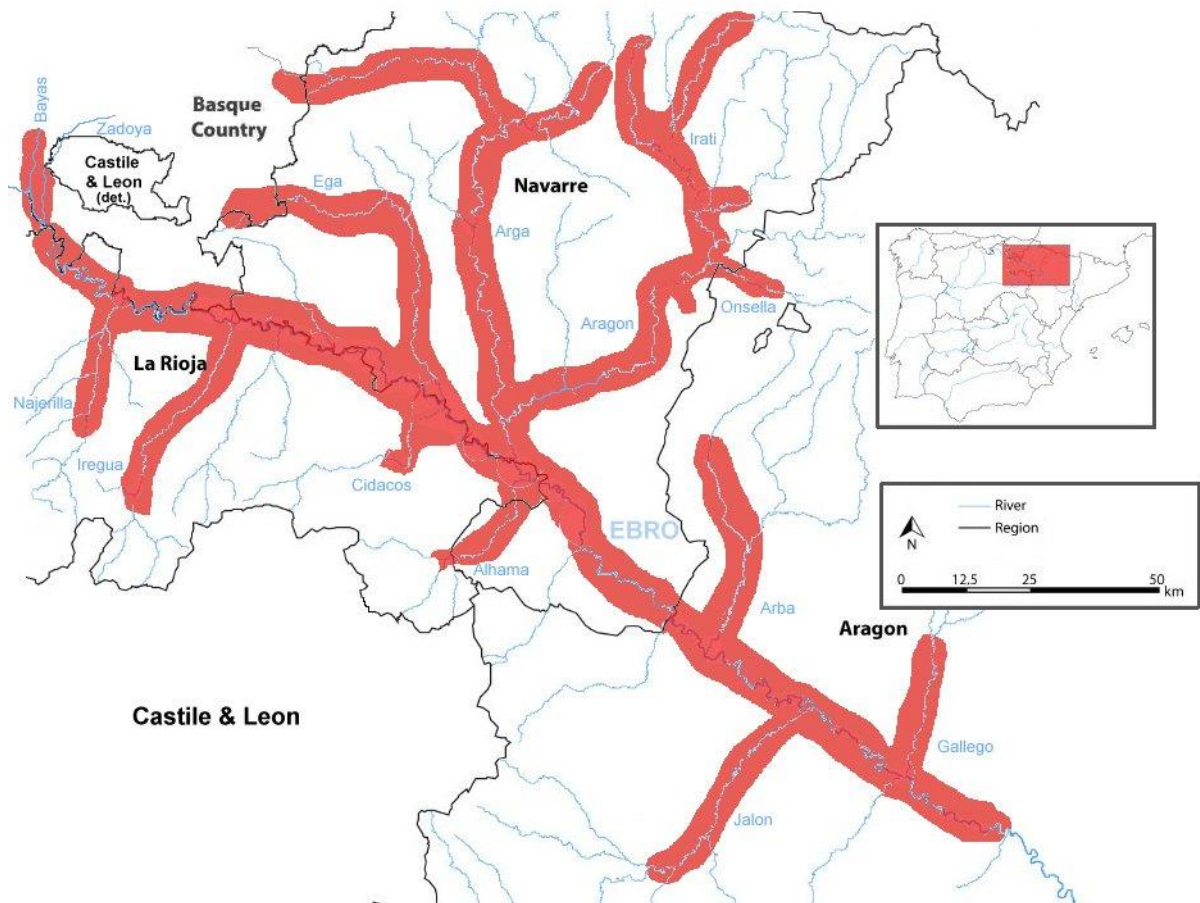


Appendix S13. Beaver distribution in Serbia in 2015. Redrawn from Smeraldo et al. 2017.



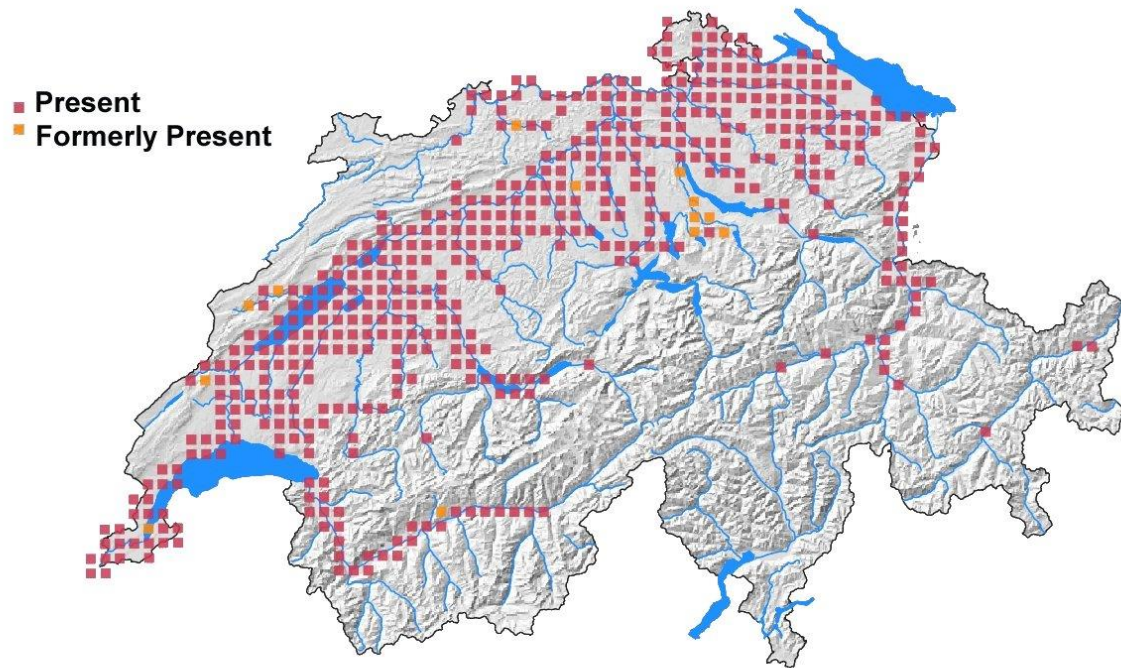


Appendix S14. Beaver distribution in Slovenia in 2015. Reproduced from Canady et al., 2016 in accordance with Creative Commons licence conditions. Large black circles = permanent occurrence since 1965; small black circles represent temporary occurrence. Red circles = recent records in south-eastern Slovakia with the possible routes of immigration. ? represents possible occurrence on the Bodrog river.



66

67 Appendix S15. Distribution of beavers in Spain (Ebro watershed) in 2019. Compiled by the  
 68 authors from published and unpublished reports (see text), newspaper reports, and  
 69 information provided by G. Berasategui and J. Areito (pers. comm.). It is likely that the  
 70 species extends further down the main Ebro than mapped.



## Switzerland 2019

Source: Centre Suisse de Cartographie de la Faune  
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72 Appendix S16. Distribution of beavers in Switzerland in 2019. Source: Centre Suisse de  
73 Cartographie de la Faune, reproduced with permission.

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