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Supplement of

Lagrangian process attribution of isotopic variations in near-surface water vapour in a 30-year regional climate simulation over Europe

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Description

- Figures S1 and S2 show the contributions of the processes to the monthly and yearly anomalies of $\delta^2\text{H}$
- Figures S3 and S4 show the contributions of the processes to the monthly and yearly anomalies of deuterium excess.

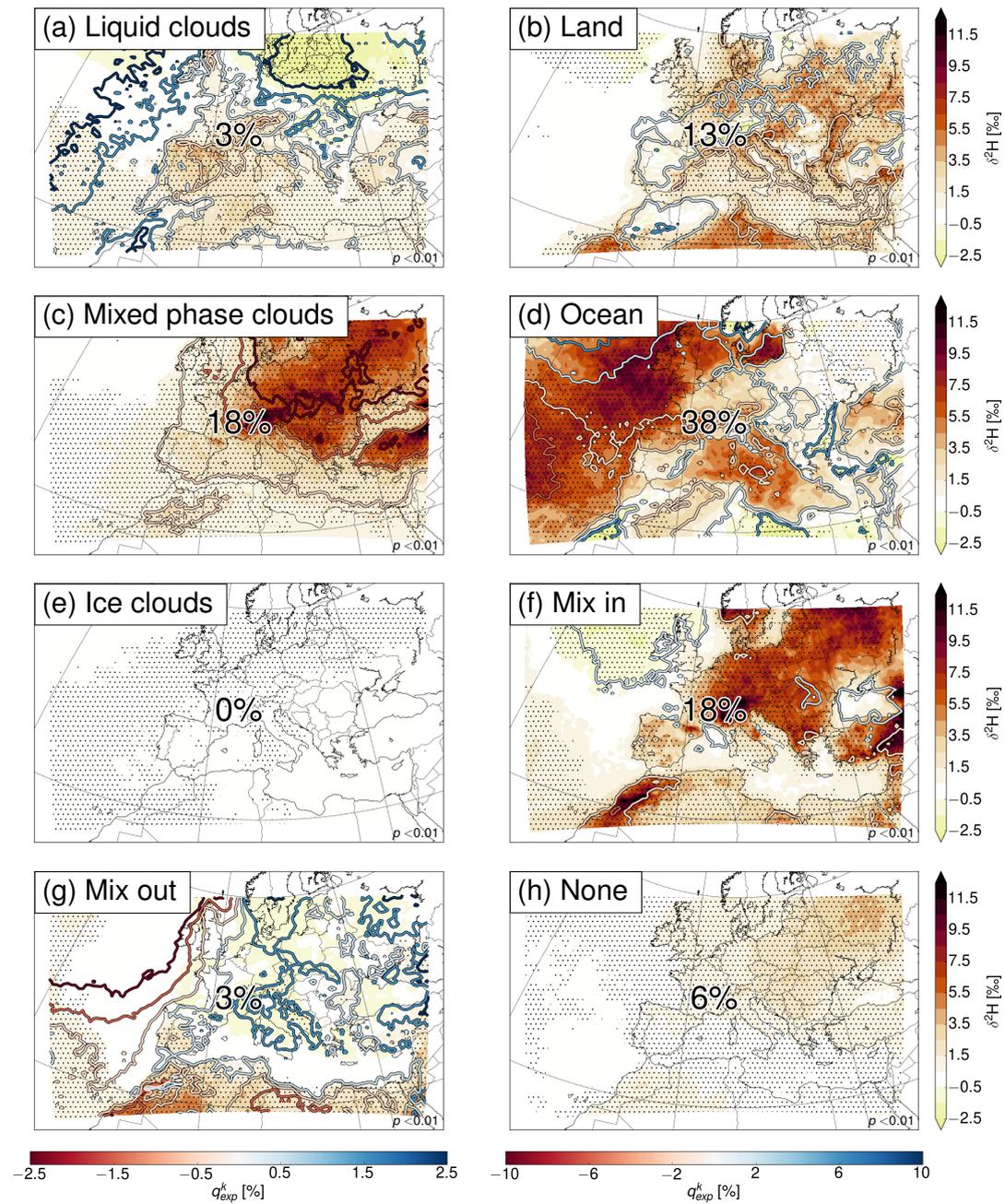


Figure S1: Contributions of the processes to the monthly $\Delta\delta^2\text{H}$ in Figure 10c. The contours show the difference in q_{exp}^k (see Equations 10 and 11) between the high and low anomaly months in %. Stippling indicates areas where $p < 0.01$. Note the different colour scales for q_{exp}^k between the left and right hand side.

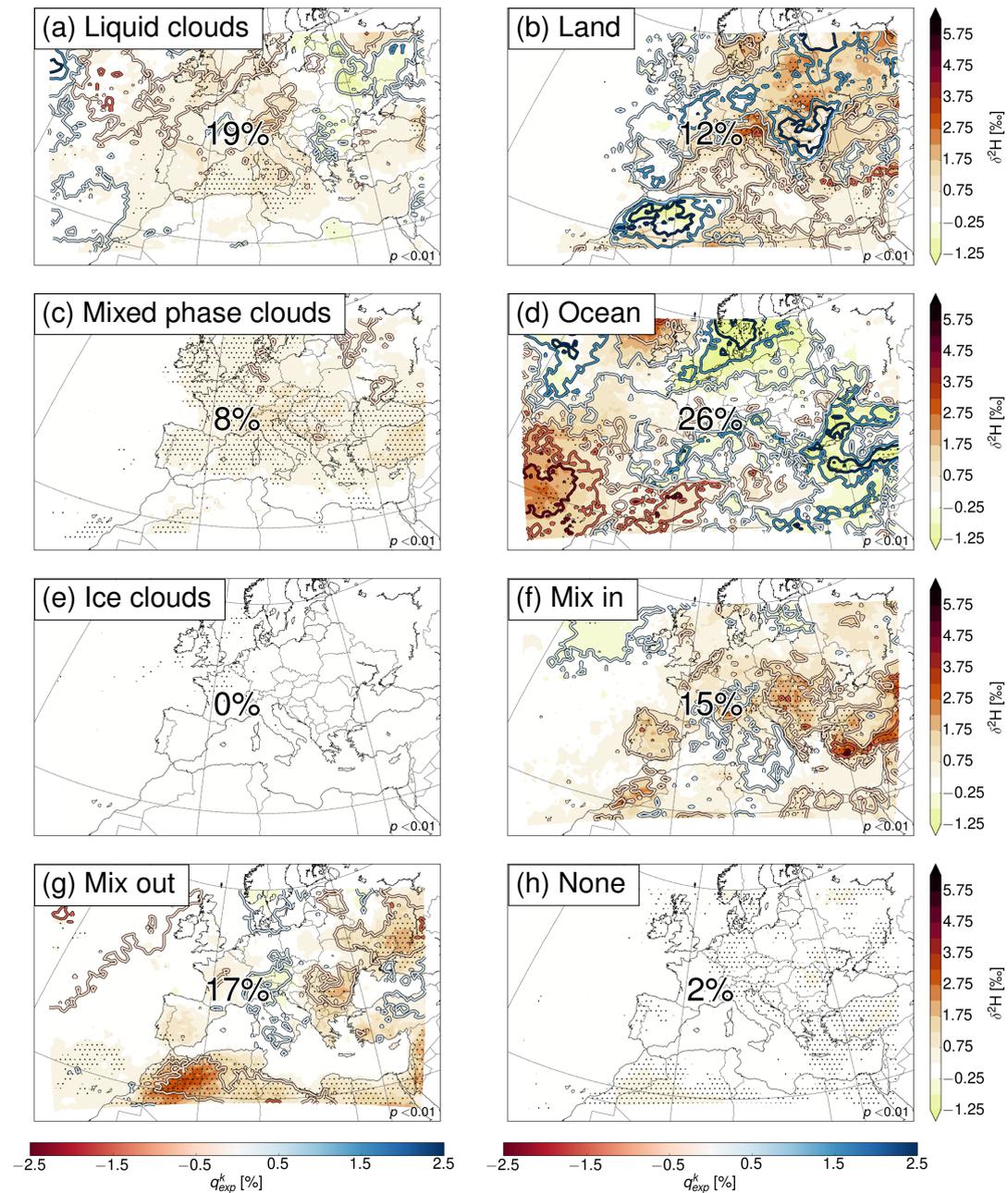


Figure S2: Contributions of the processes to the yearly $\Delta\delta^2\text{H}$ in Figure 10 c. The contours show the difference in q_{exp}^k (see Equations 10 and 11) between the high and low anomaly years in %. Stippling indicates areas where $p < 0.01$.

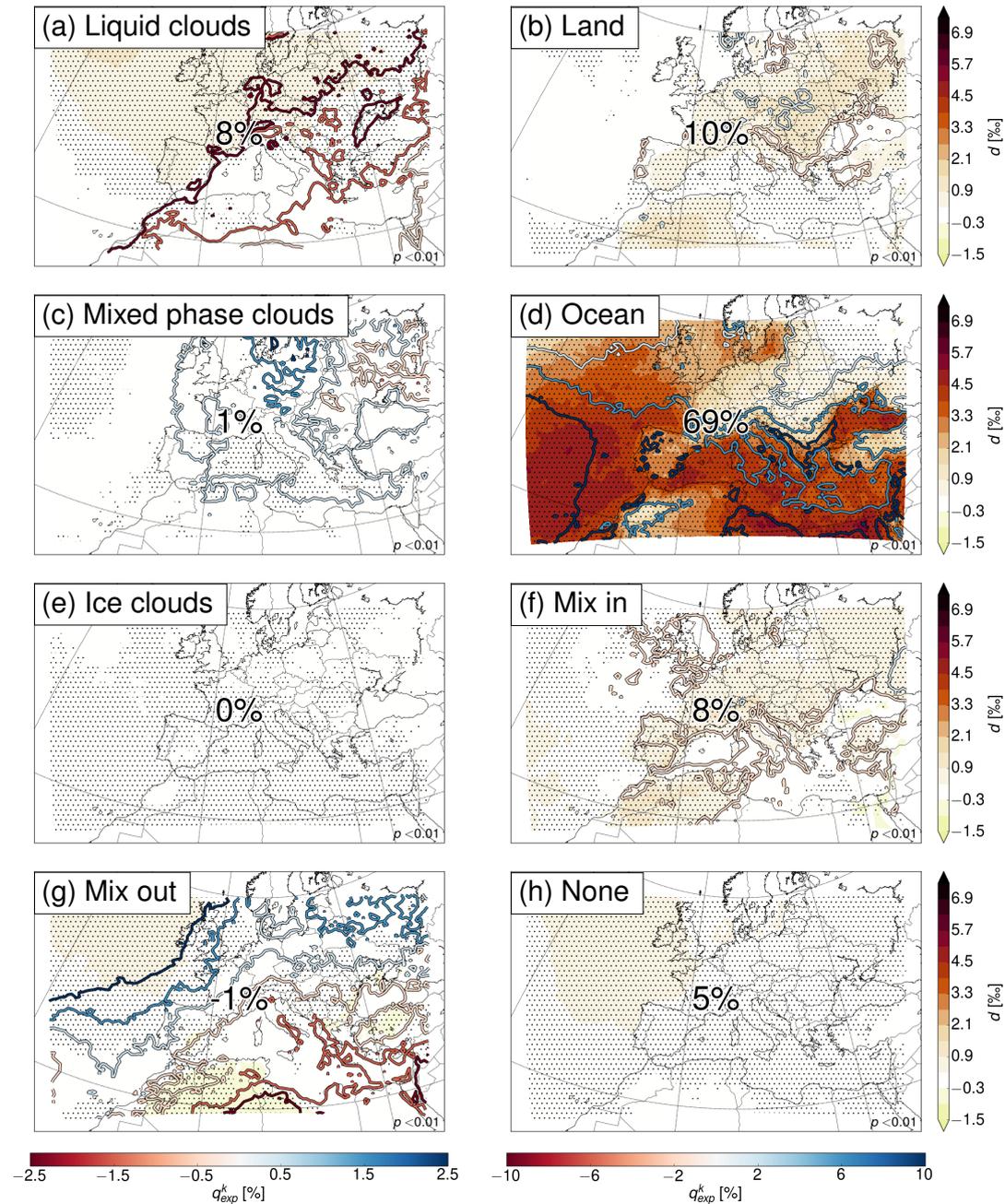


Figure S3: Contributions of the processes to the monthly Δd in Figure 12c. The contours show the difference in q_{exp}^k (see Equations 10 and 11) between the high and low anomaly months in %. Stippling indicates areas where $p < 0.01$. Note the different colour scales for q_{exp}^k between the left and right hand side.

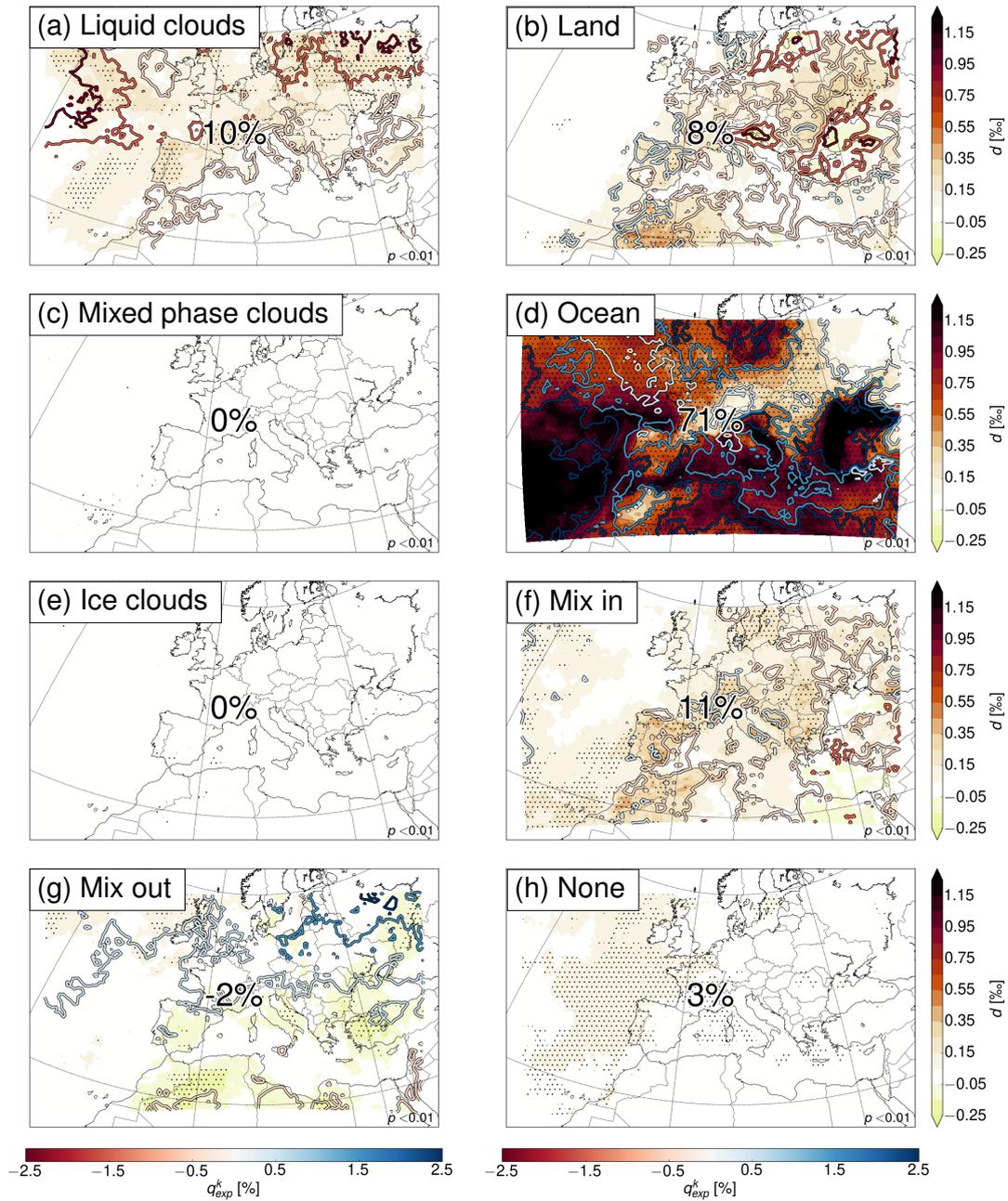


Figure S4: Contributions of the processes to the yearly Δd in Figure 12c. The contours show the difference in q_{exp}^k (see Equations 10 and 11) between the high and low anomaly years in %. Stippling indicates areas where $p < 0.01$.