SUPPORTING INFORMATION

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 δ^2H

- Figures S3 and S4 show the contributions of the processes to the monthly and yearly anomalies of deuterium excess.

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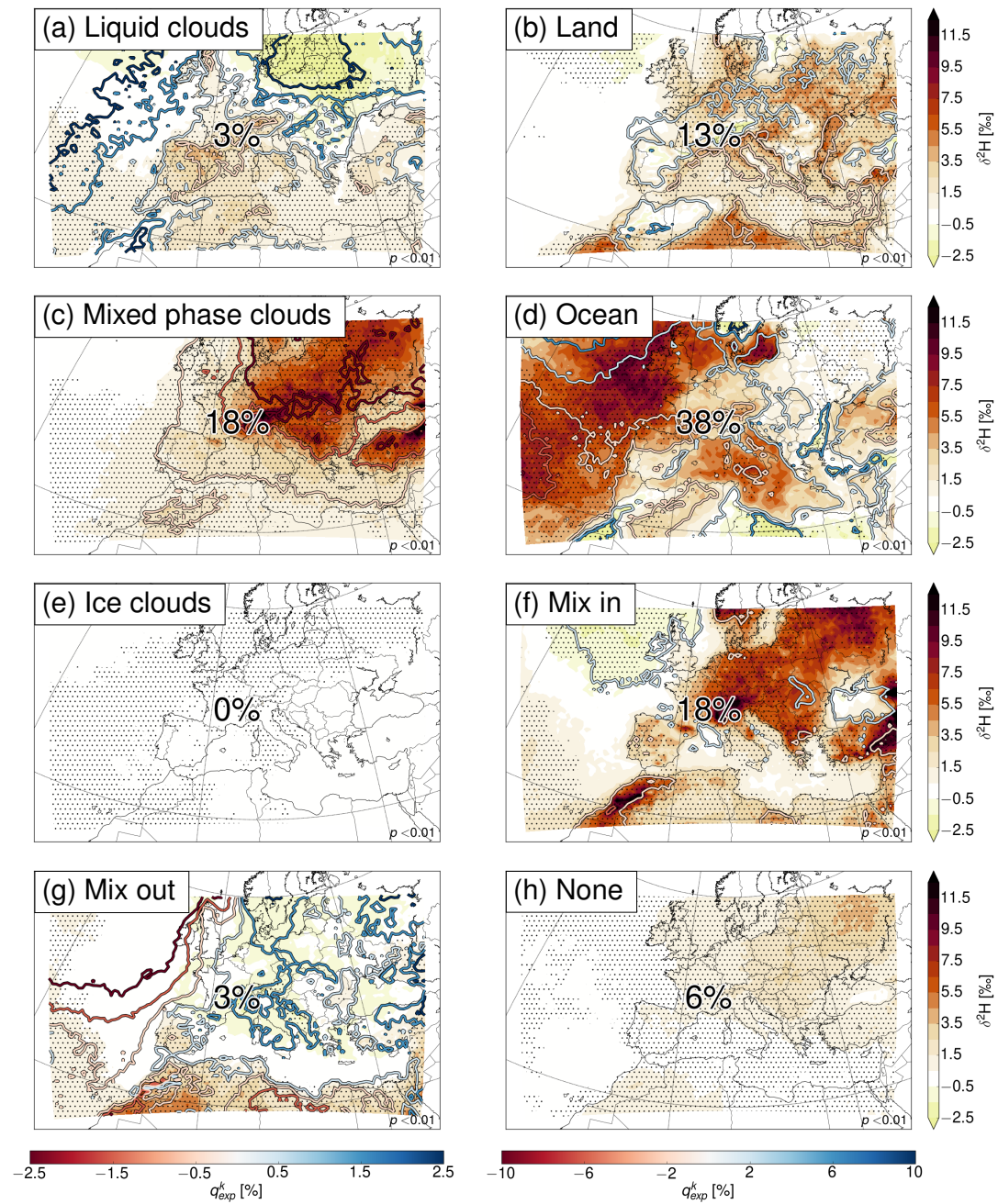
Figure S1: Contributions of the processes to the monthly $\Delta\delta^2$H in Figure 10 c. The contours show the difference in q_{exp}^k (see Equations 9 and 10) between the high and low anomaly months in %. Stippling indicates areas where $p < 0.01$. Note the different colour scales for q_{exp}^k between the left and right hand side.
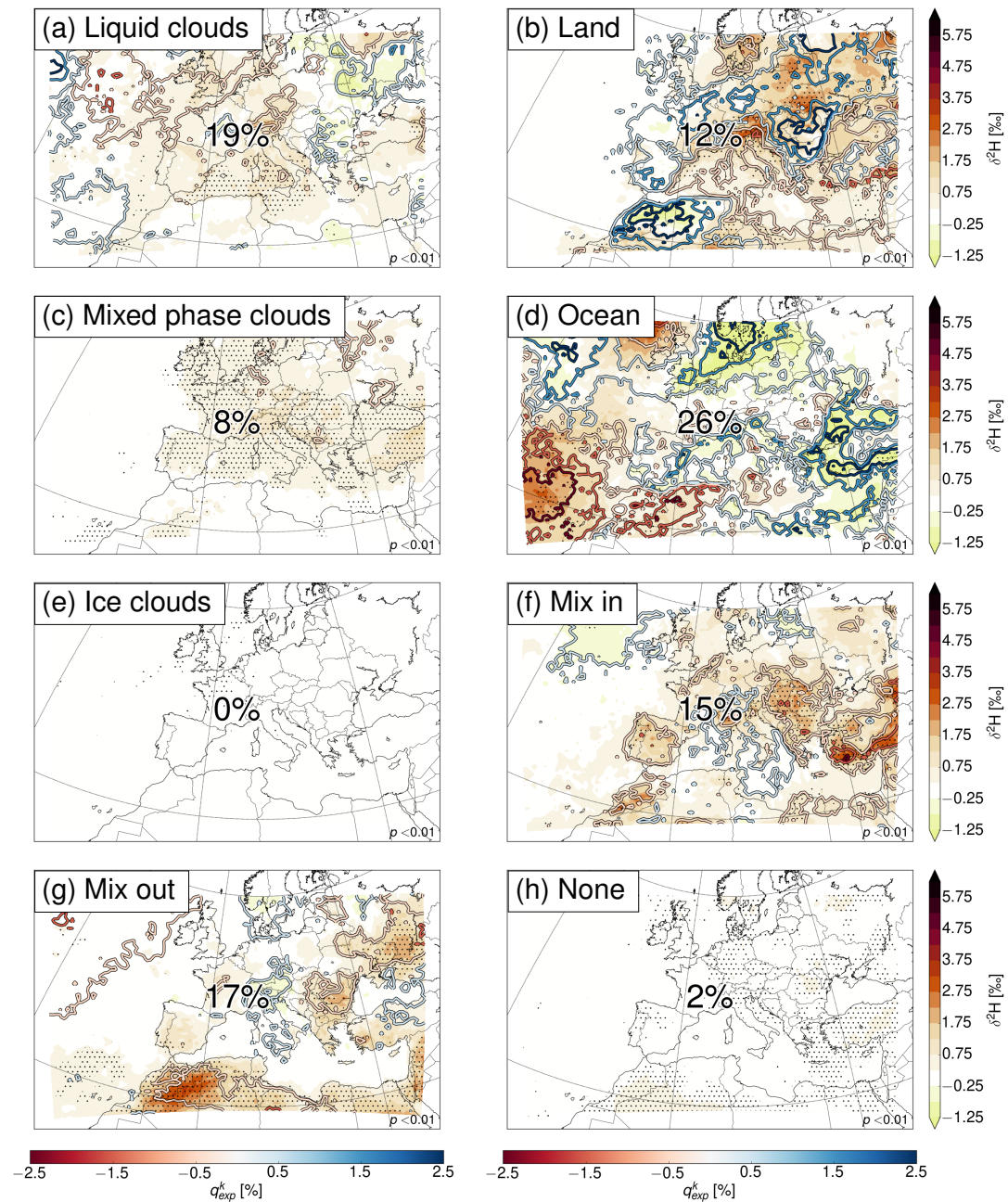
Figure S2: Contributions of the processes to the yearly $\Delta\delta^2$H in Figure 10 c. The contours show the difference in q_{exp}^k (see Equations 9 and 10) between the high and low anomaly years in %. Stippling indicates areas where $p < 0.01$.
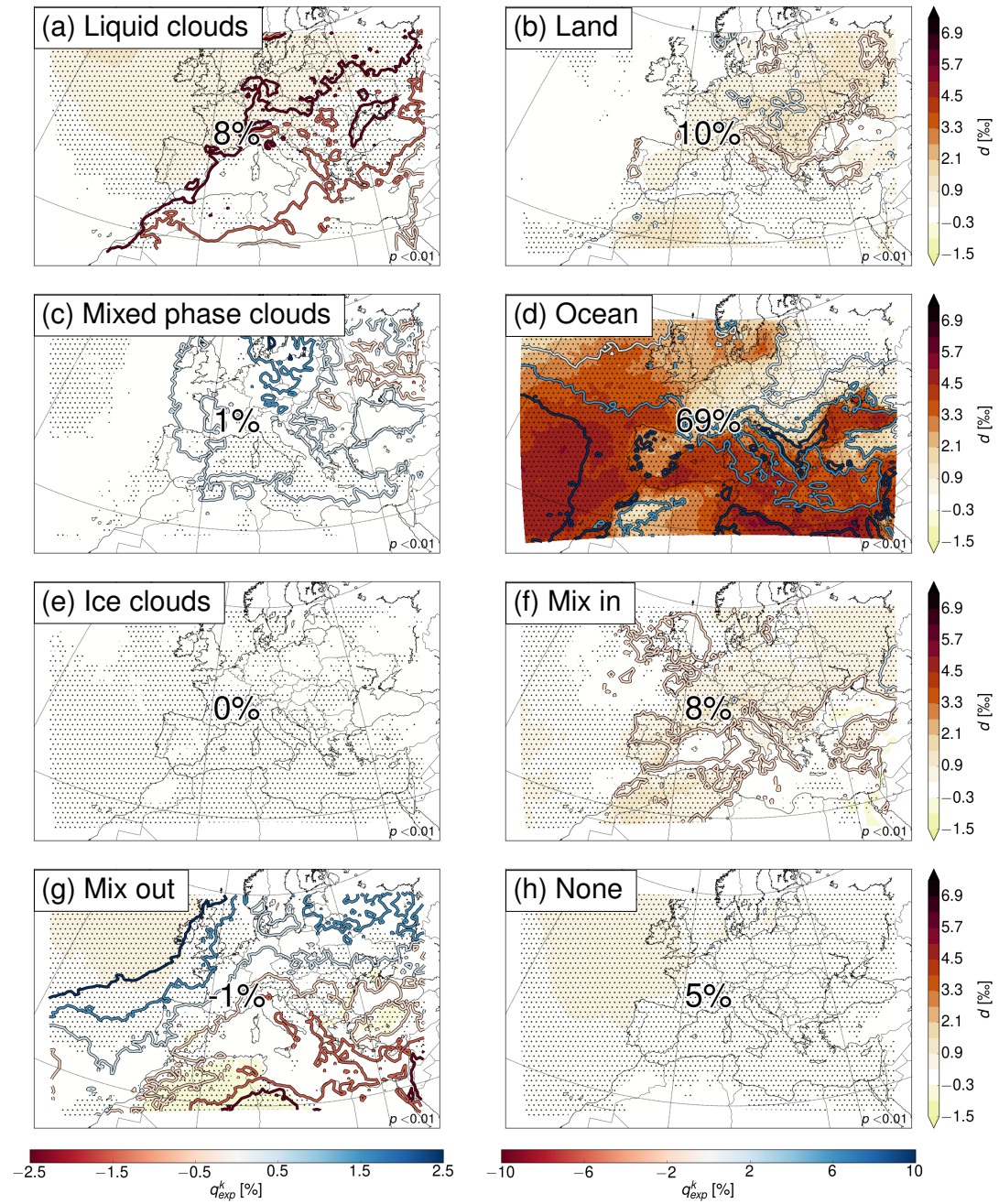
Figure S3: Contributions of the processes to the monthly Δd in Figure 12 c. The contours show the difference in q_{exp}^k (see Equations 9 and 10) between the high and low anomaly months in %. Stippling indicates areas where $p < 0.01$. Note the different colour scales for q_{exp}^k between the left and right hand side.
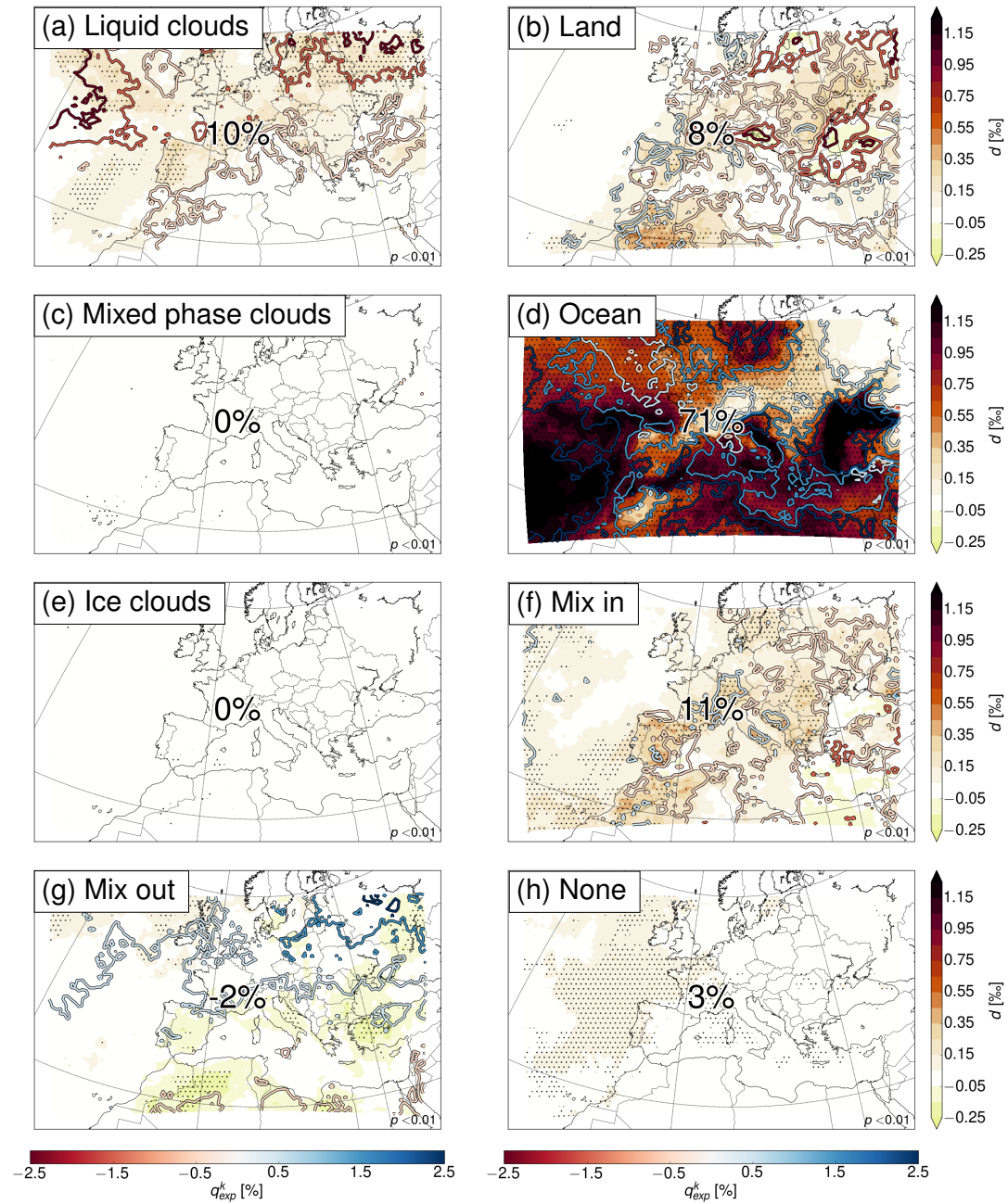
Figure S4: Contributions of the processes to the yearly Δd in Figure 12 c. The contours show the difference in q_{exp}^k (see Equations 9 and 10) between the high and low anomaly years in %. Stippling indicates areas where $p < 0.01$.