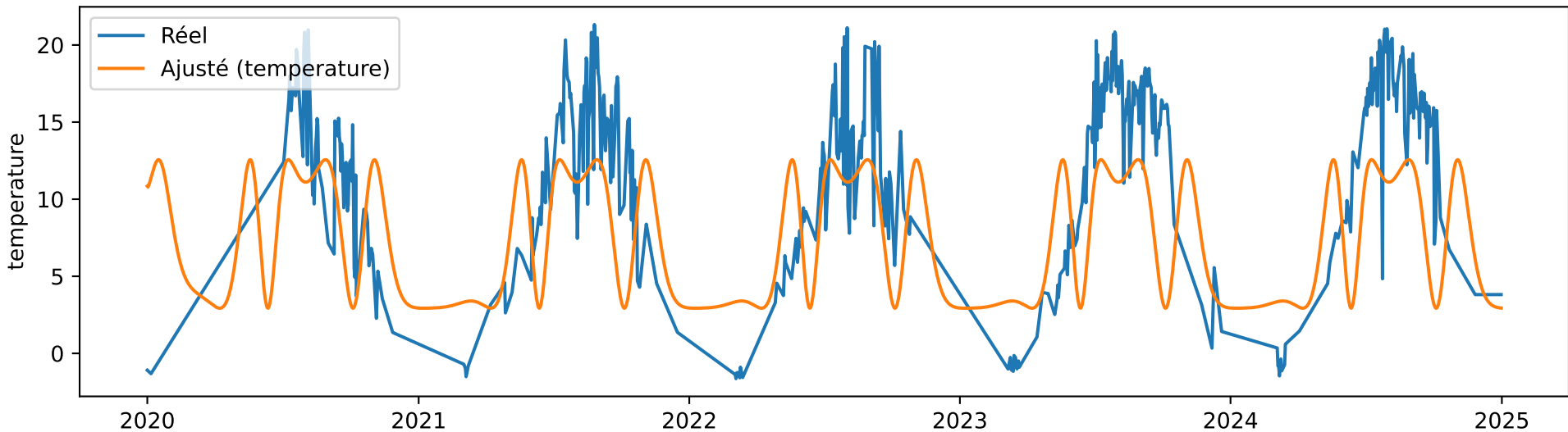
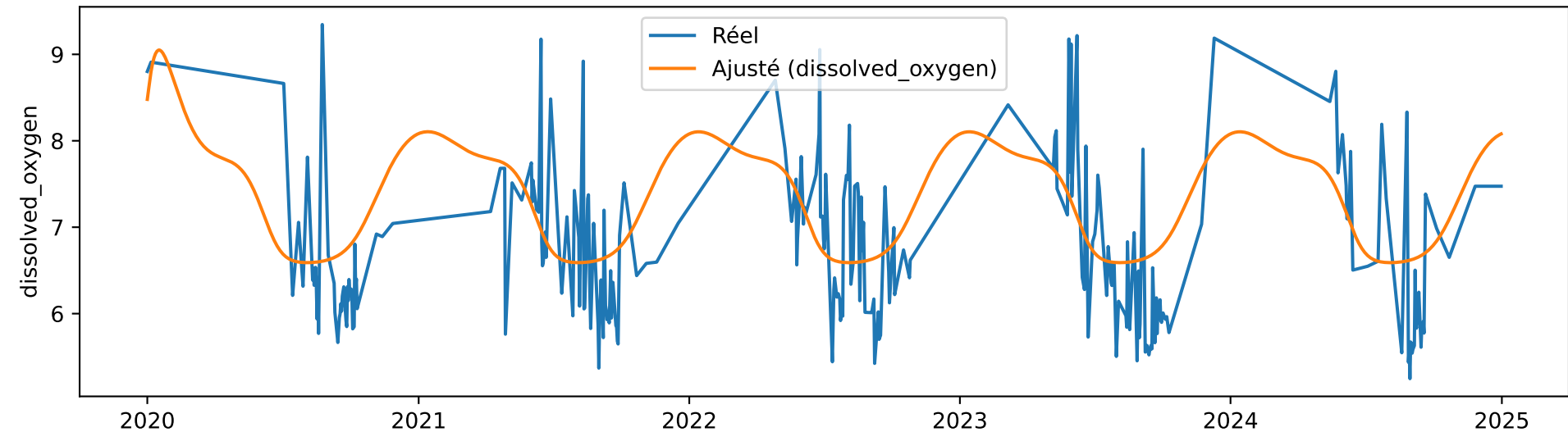


temperature — RMSE=4.779 R2=0.388



dissolved_oxygen — RMSE=0.736 R2=0.399



Résultats LSTM multivarié (après ajustement sinusoïdal)

Période entraînement : 2000-02-16 -> 2019-12-31
Période test : 2020-01-01 -> 2024-12-31

Metrics et paramètres par variable :

- temperature: RMSE=4.7785, R2=0.3879 (a=4.817722, b=0.931127, c=1.560063, d=7.745905, R2_fit=0.387897)
- dissolved_oxygen: RMSE=0.7356, R2=0.3987 (a=1.250037, b=1.519841, c=-4.327693, d=7.799975, R2_fit=0.3987)