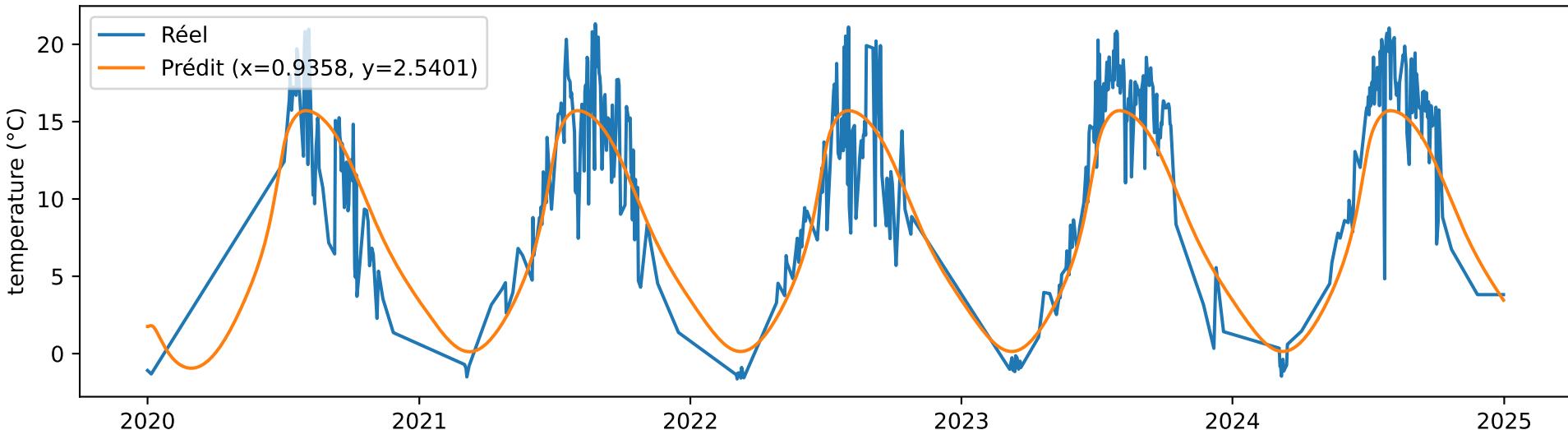
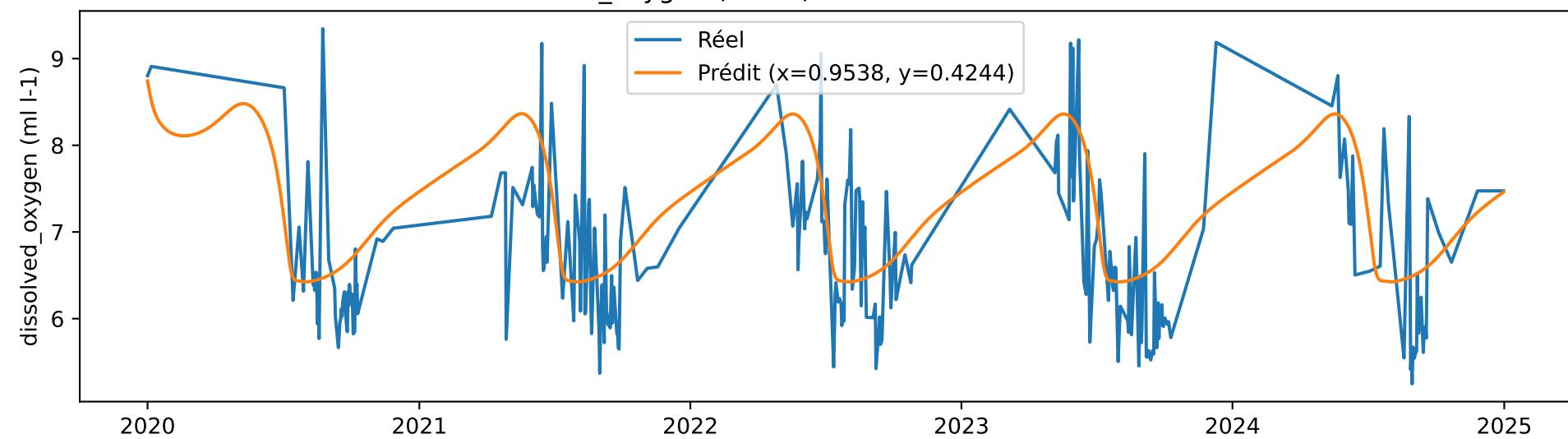


temperature (°C) — RMSE=2.646 R2=0.813



dissolved\_oxygen (ml l-1) — RMSE=0.678 R2=0.490



## Résultats LSTM multivarié (après OLS)

Période entraînement : 2000-02-16 -> 2019-12-31

Période test : 2020-01-01 -> 2024-12-31

Metrics par variable (après transformation optimale) :

- temperature (°C): RMSE=2.6464, R2=0.8130 ( $x=0.935801$ ,  $y=2.540150$ ,  $R2_{opt}=0.812960$ )
- dissolved\_oxygen (ml l<sup>-1</sup>): RMSE=0.6781, R2=0.4899 ( $x=0.953764$ ,  $y=0.424408$ ,  $R2_{opt}=0.489923$ )