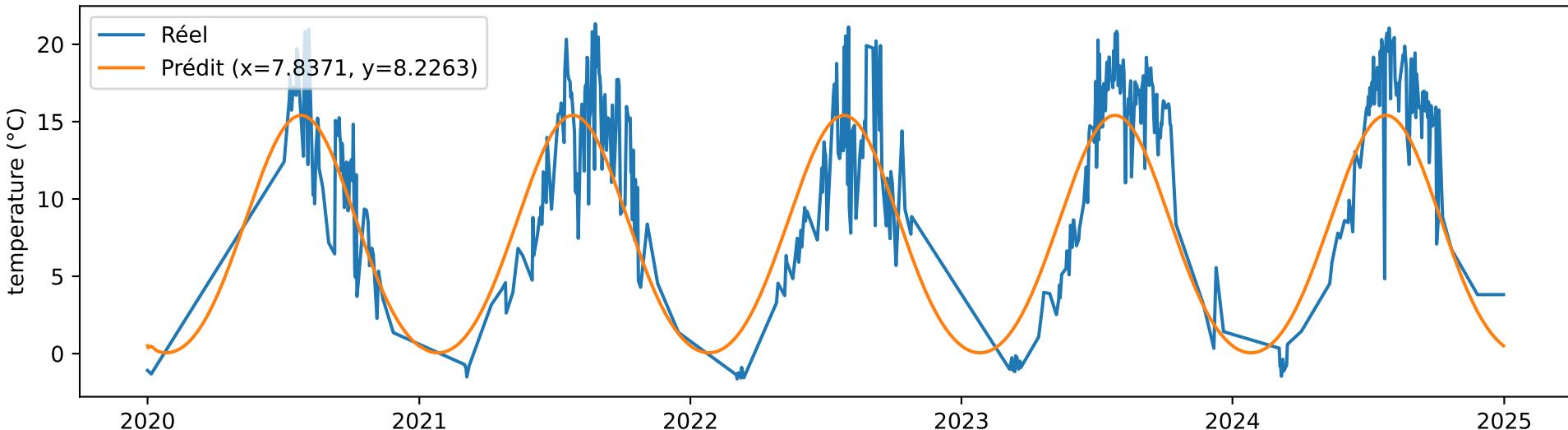
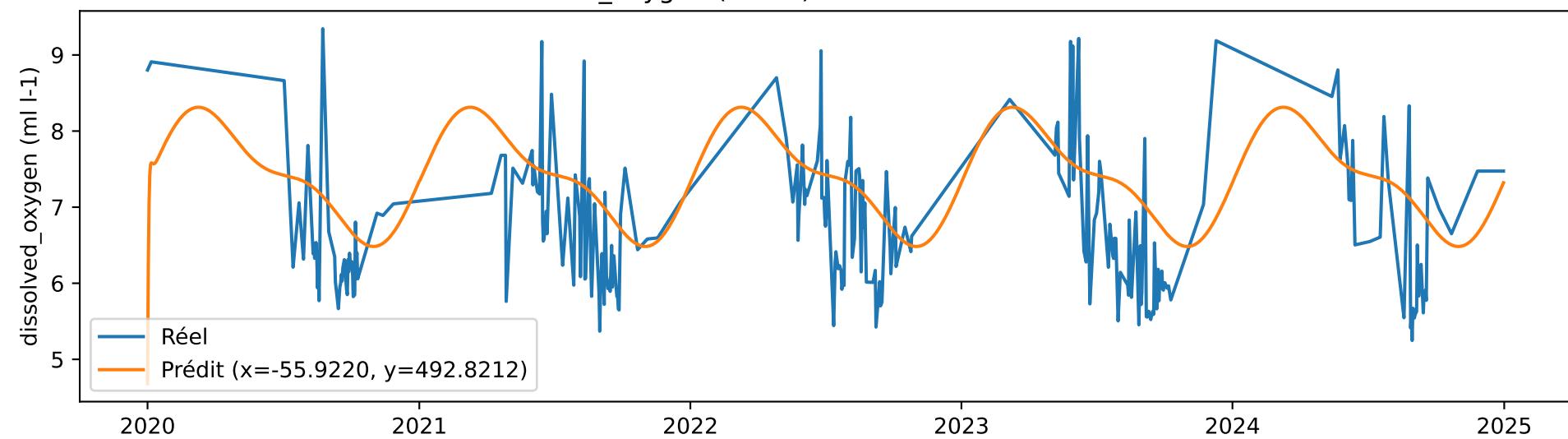


temperature (°C) — RMSE=2.792 R2=0.792



dissolved\_oxygen (ml l-1) — RMSE=0.753 R2=0.371



## Résultats LSTM multivarié (après OLS)

Valeur d'entrée uniquement :

['temperature (°C)', 'dissolved\_oxygen (ml l-1)', 'temperature (°C)', 'chlorophyll (mg m-3)', 'salinity (PSS-78)']  
['dissolved\_oxygen (ml l-1)', 'tide\_range (m)', 'Mean Temp (°C)', 'Spd of Max Gust (km/h)', 'doy\_sin', 'doy\_cos']

Valeur d'entrée et de sortie : ['temperature (°C)', 'dissolved\_oxygen (ml l-1)']

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=2.7920, R2=0.7918 (x=7.837149, y=8.226341, R2\_opt=0.791813)  
- dissolved\_oxygen (ml l-1): RMSE=0.7533, R2=0.3705 (x=-55.921988, y=492.821230, R2\_opt=0.370538)