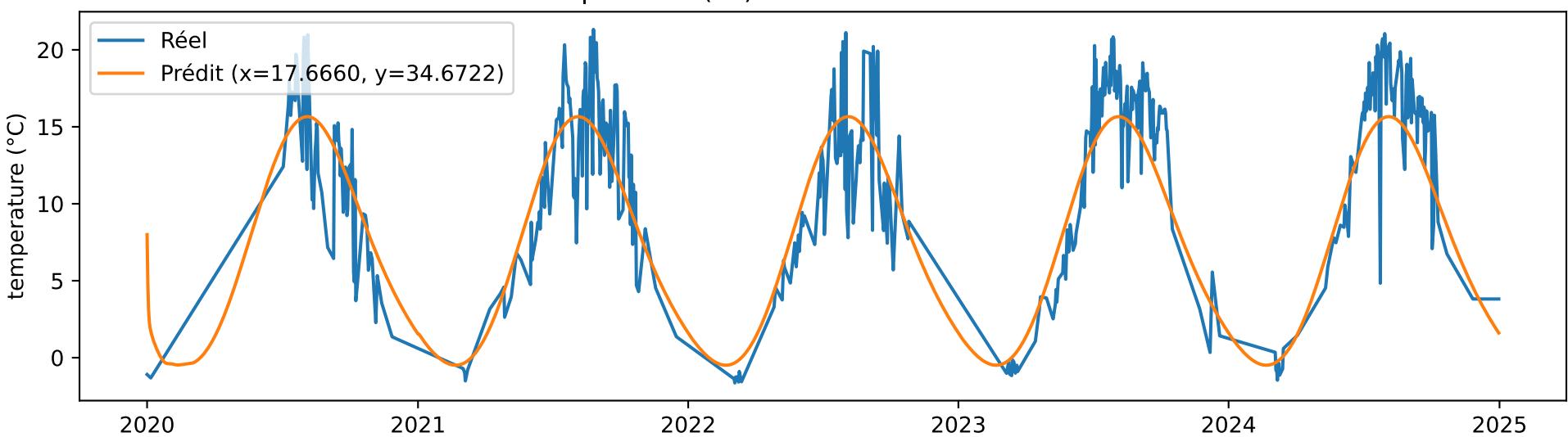
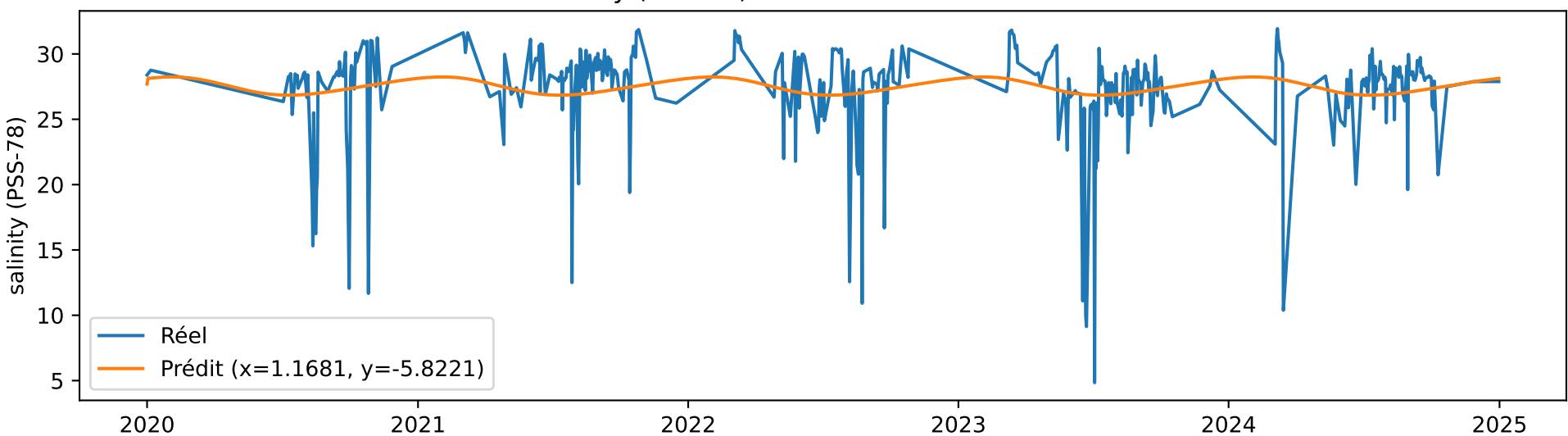


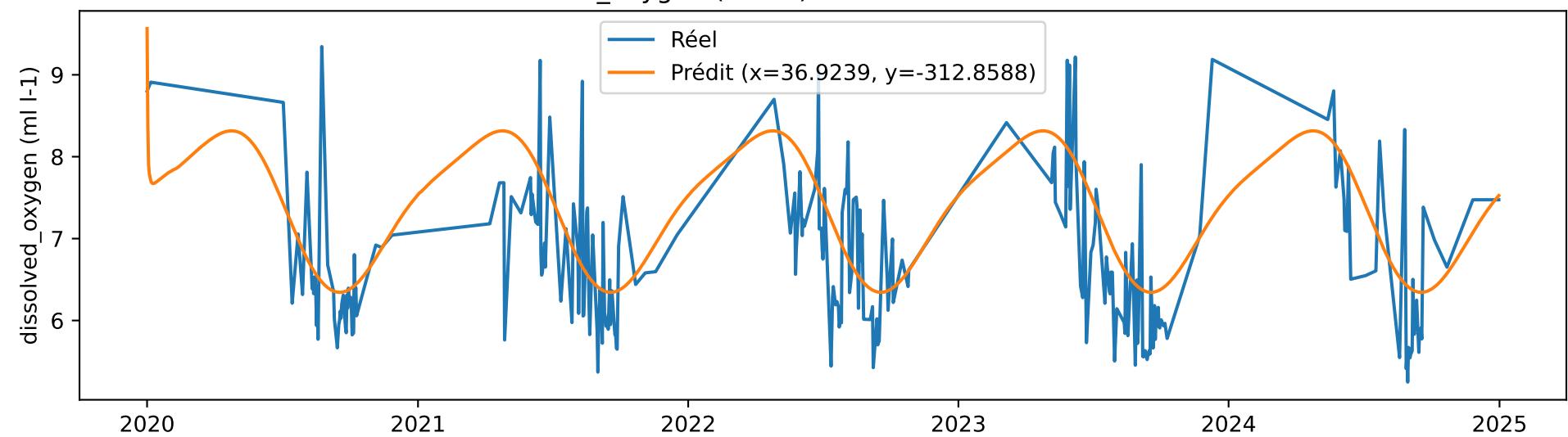
temperature (°C) — RMSE=2.352 R2=0.852



salinity (PSS-78) — RMSE=2.610 R2=0.034



dissolved\_oxygen (ml l<sup>-1</sup>) — RMSE=0.667 R2=0.507



## Résultats GRU multivarié (après OLS)

Valeur d'entrée uniquement :

['temperature (°C)', 'salinity (PSS-78)', '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']

Valeur d'entrée et de sortie : ['temperature (°C)', 'salinity (PSS-78)', '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=2.3520, R2=0.8523 ( $x=17.666018$ ,  $y=34.672197$ ,  $R2_{opt}=0.852261$ )
- salinity (PSS-78): RMSE=2.6101, R2=0.0337 ( $x=1.168137$ ,  $y=-5.822126$ ,  $R2_{opt}=0.033726$ )
- dissolved\_oxygen (ml l-1): RMSE=0.6665, R2=0.5072 ( $x=36.923861$ ,  $y=-312.858822$ ,  $R2_{opt}=0.507159$ )