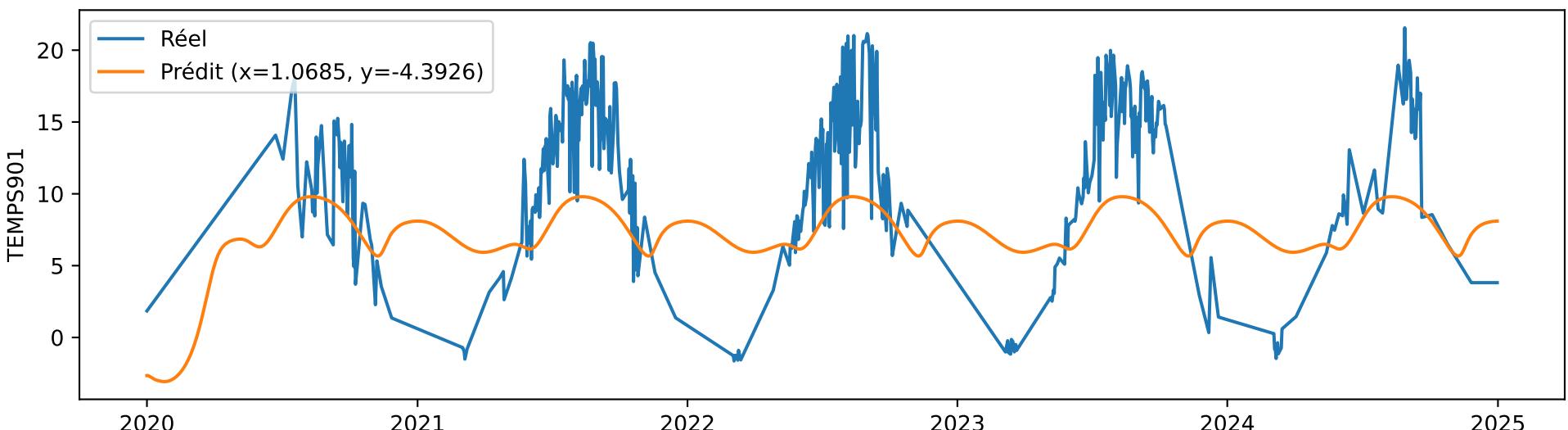
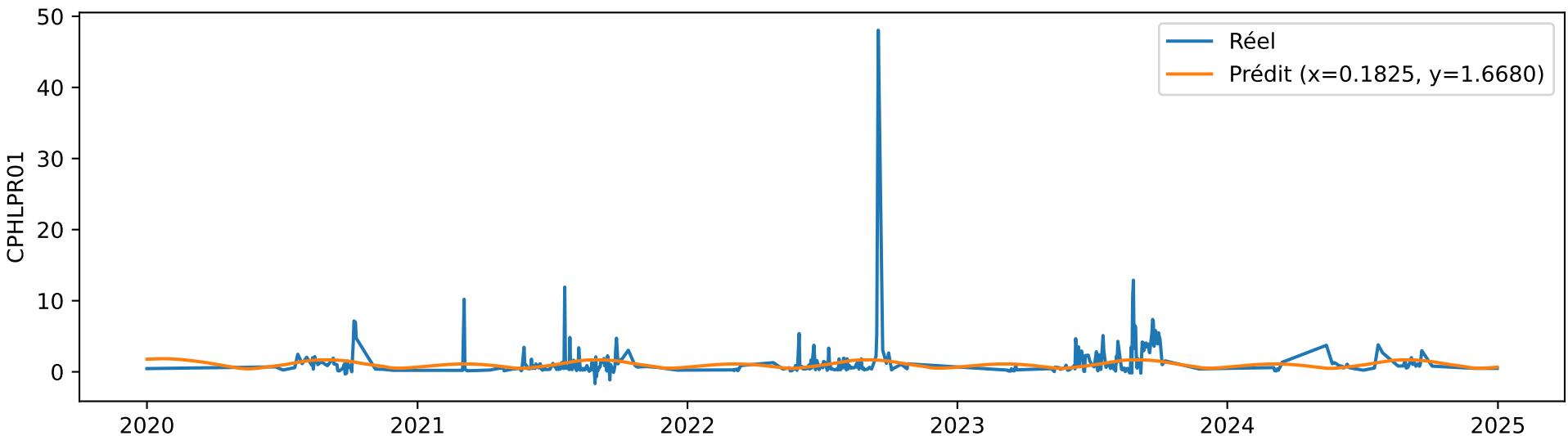


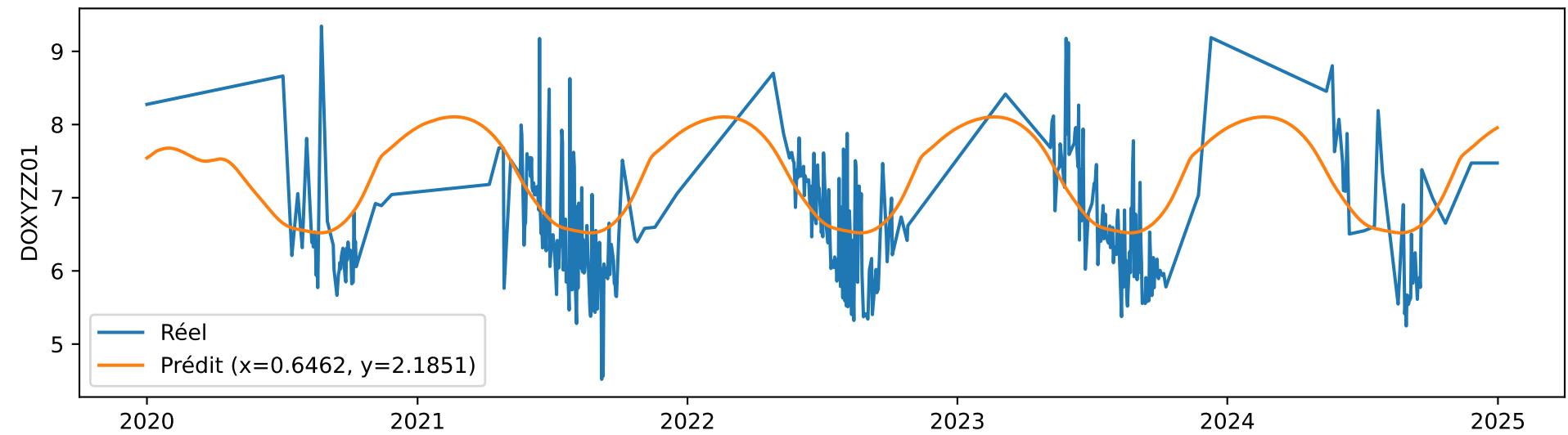
TEMPS901 — RMSE=5.260 R2=0.164



CPHLPR01 — RMSE=2.125 R2=0.034



DOXYZZ01 — RMSE=0.744 R2=0.374



## Résultats LSTM multivarié (après OLS)

Période entraînement : 2000-03-01 -> 2019-12-31

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

Metrics par variable (après transformation optimale) :

- TEMPS901: RMSE=5.2602, R2=0.1640 ( $x=1.068508$ ,  $y=-4.392638$ ,  $R2_{opt}=0.164046$ )
- CPHLPR01: RMSE=2.1247, R2=0.0336 ( $x=0.182497$ ,  $y=1.668025$ ,  $R2_{opt}=0.033553$ )
- DOXYZZ01: RMSE=0.7437, R2=0.3739 ( $x=0.646245$ ,  $y=2.185108$ ,  $R2_{opt}=0.373895$ )