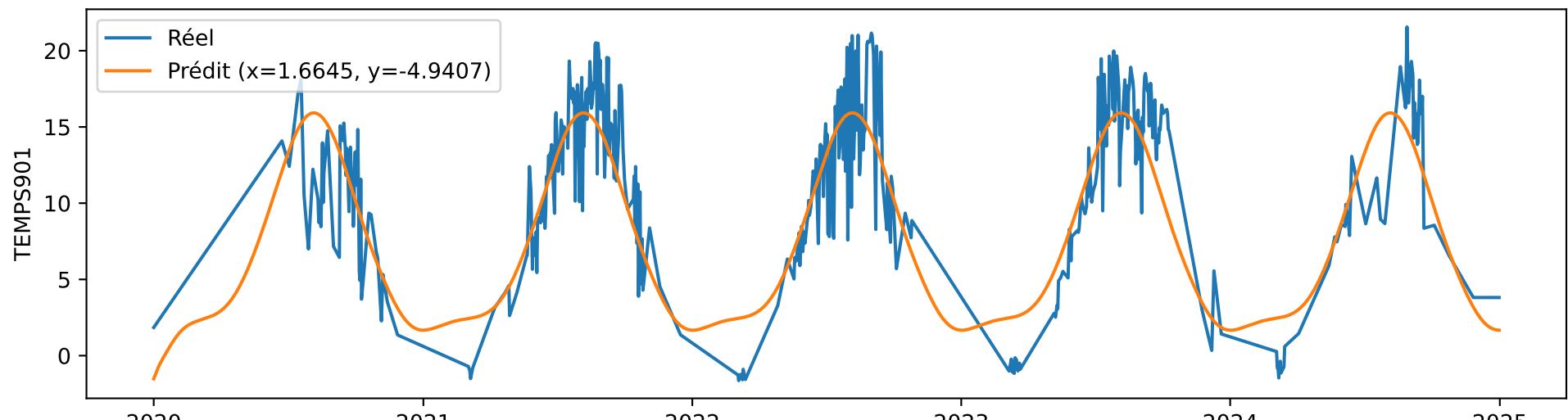
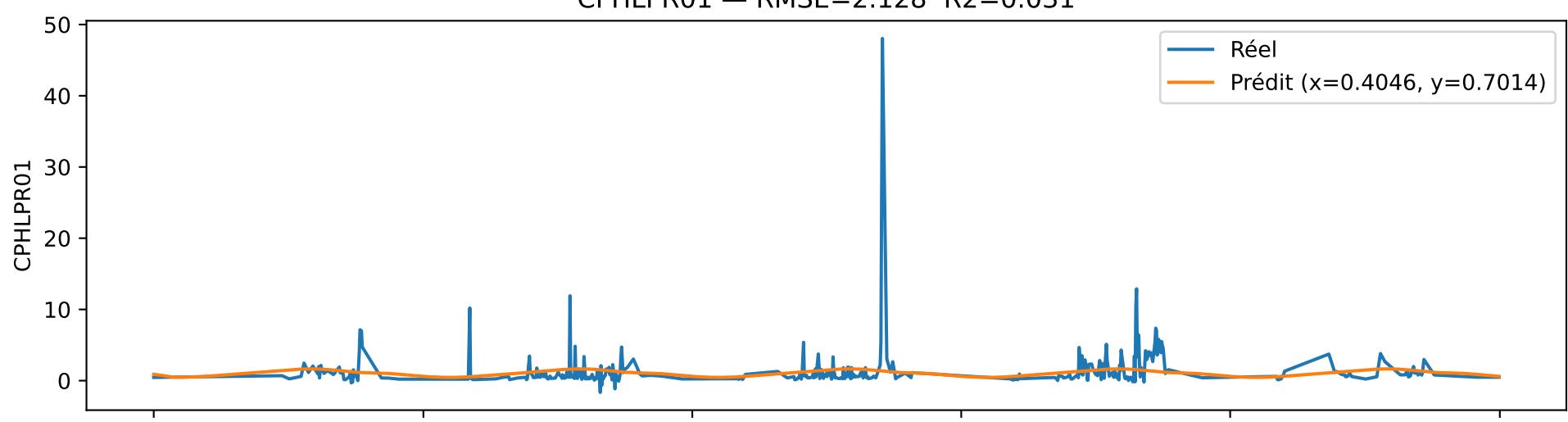


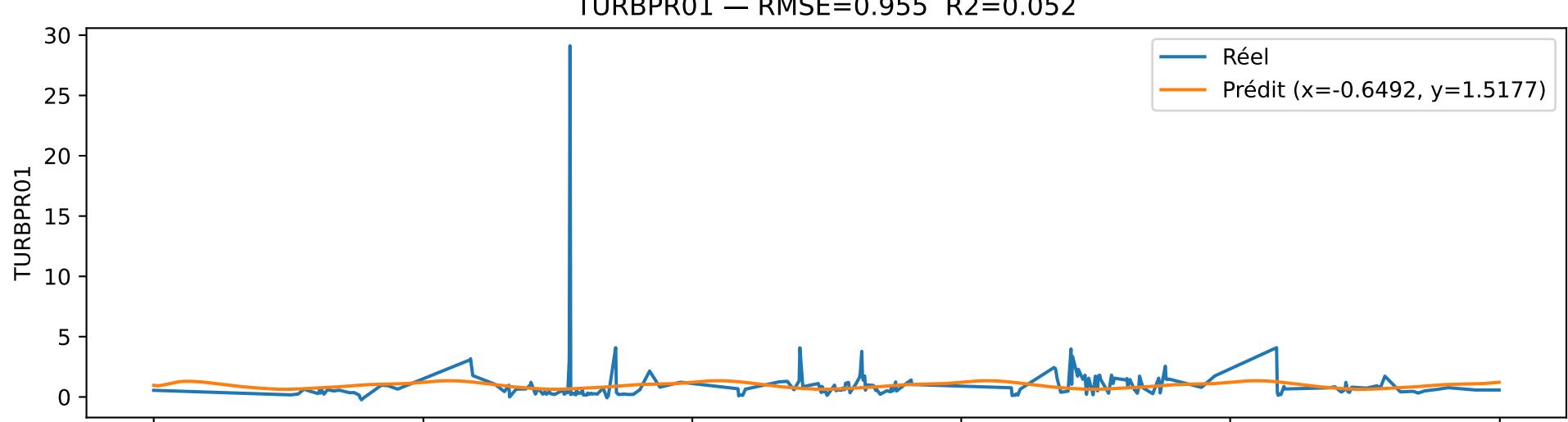
TEMPS901 — RMSE=2.765 R2=0.769



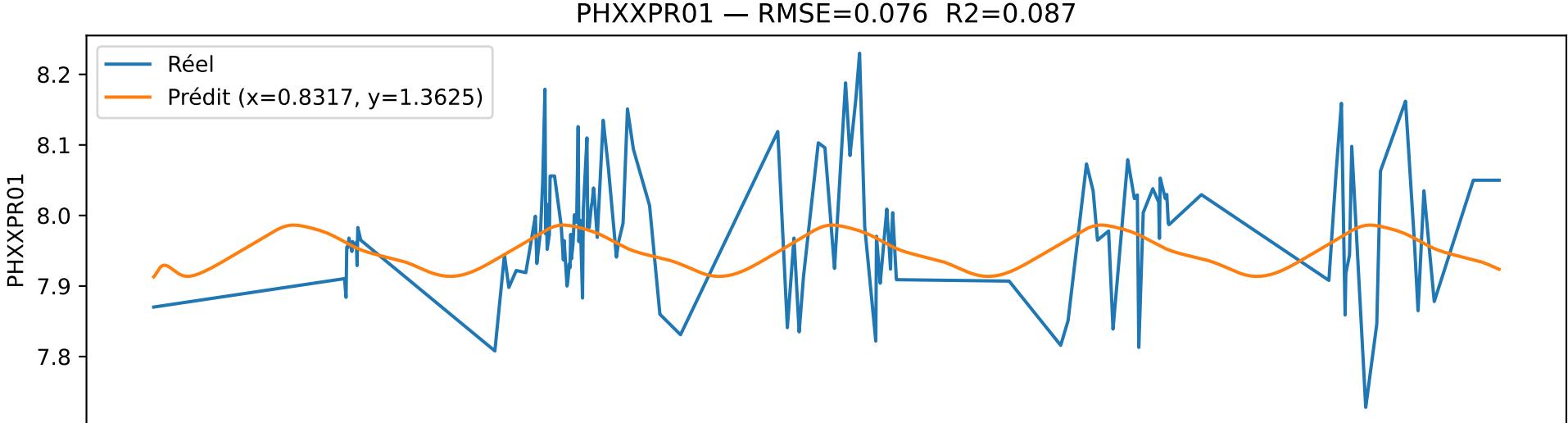
CPHLPR01 — RMSE=2.128 R2=0.031



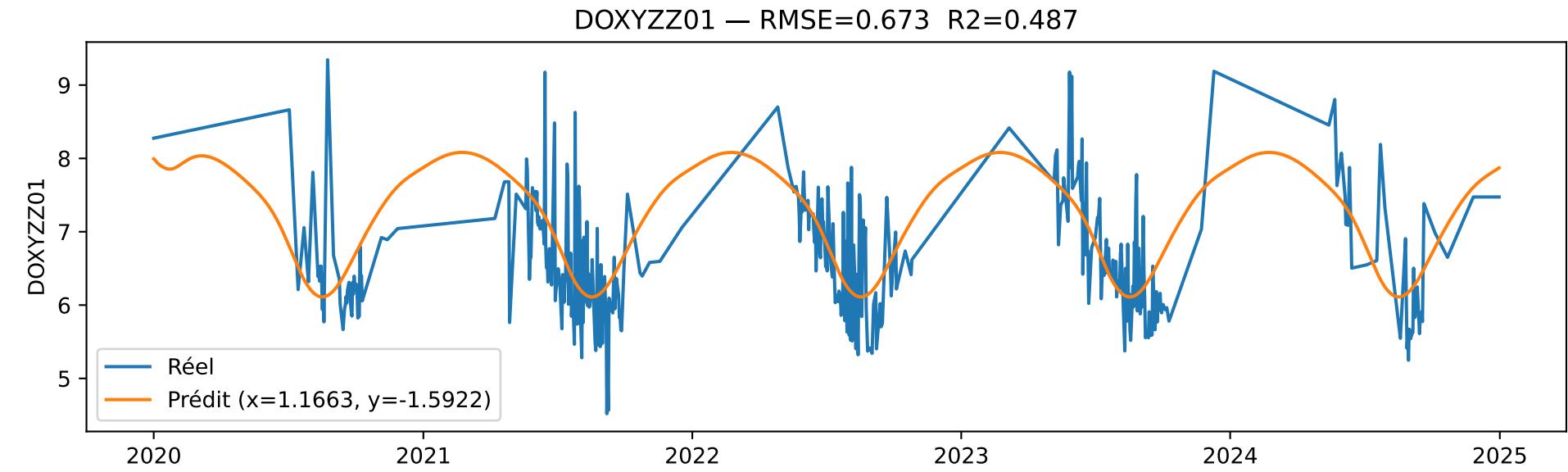
TURBPR01 — RMSE=0.955 R2=0.052



PHXXPR01 — RMSE=0.076 R2=0.087



DOXYZZ01 — RMSE=0.673 R2=0.487



## 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=2.7648, R2=0.7691 ( $x=1.664491$ ,  $y=-4.940731$ ,  $R2_{opt}=0.769060$ )
- CPHLPR01: RMSE=2.1277, R2=0.0308 ( $x=0.404626$ ,  $y=0.701396$ ,  $R2_{opt}=0.030821$ )
- TURBPR01: RMSE=0.9549, R2=0.0518 ( $x=-0.649179$ ,  $y=1.517701$ ,  $R2_{opt}=0.051832$ )
- PHXXPR01: RMSE=0.0763, R2=0.0868 ( $x=0.831707$ ,  $y=1.362516$ ,  $R2_{opt}=0.086843$ )
- DOXYZZ01: RMSE=0.6733, R2=0.4869 ( $x=1.166262$ ,  $y=-1.592245$ ,  $R2_{opt}=0.486904$ )