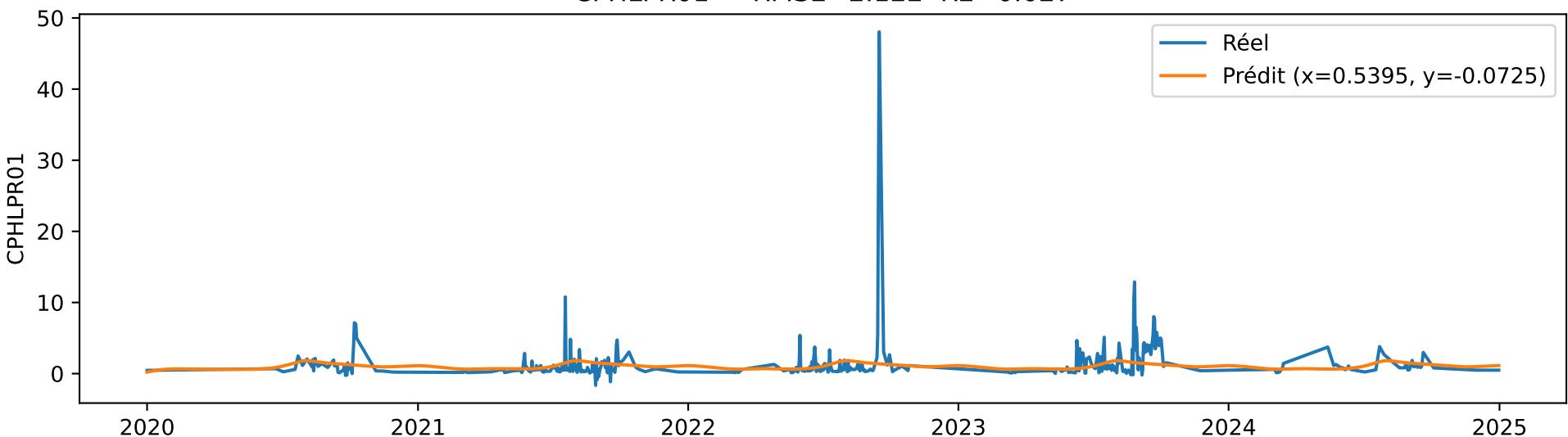
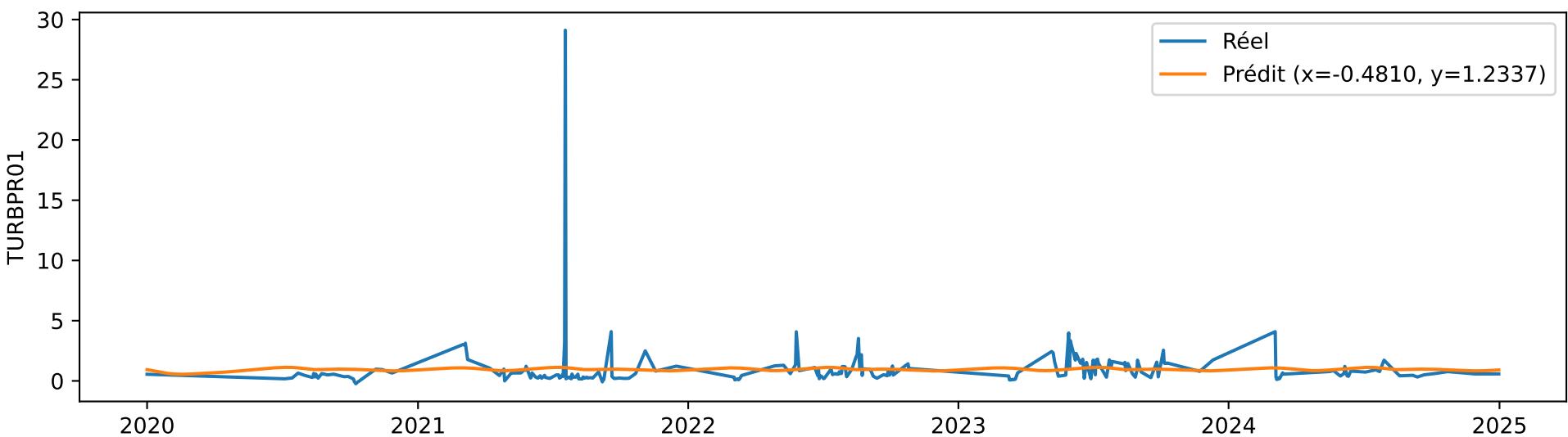


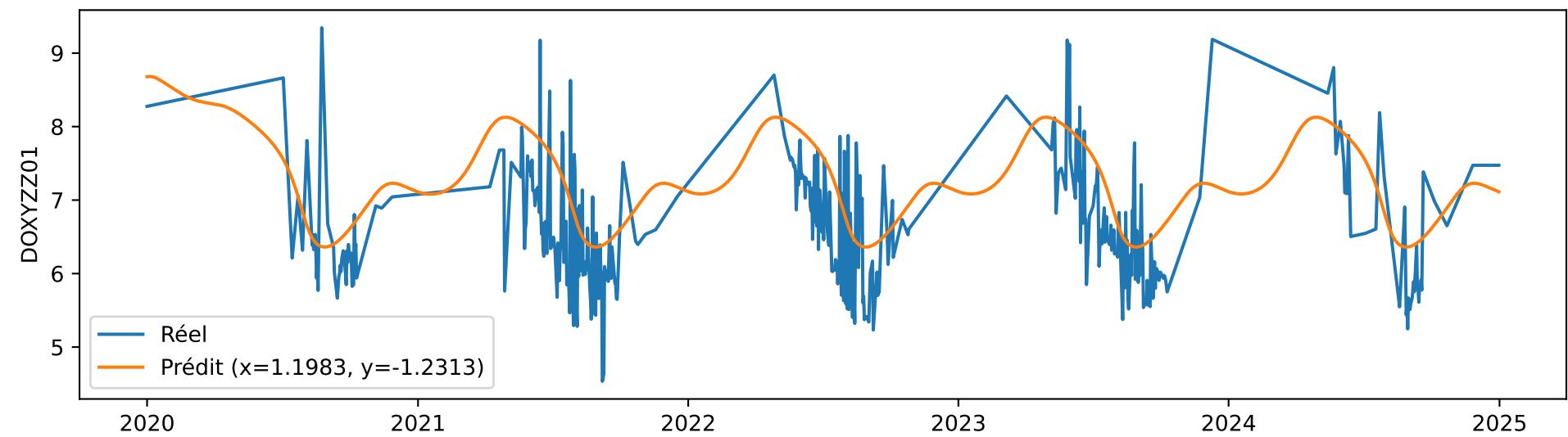
CPHLPR01 — RMSE=2.122 R2=0.027



TURBPR01 — RMSE=0.984 R2=0.013



DOXYZZ01 — RMSE=0.735 R2=0.395



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) :

- CPHLPR01: RMSE=2.1225, R2=0.0269 ($x=0.539532$, $y=-0.072495$, $R2_{opt}=0.026862$)
- TURBPR01: RMSE=0.9840, R2=0.0130 ($x=-0.480990$, $y=1.233676$, $R2_{opt}=0.013026$)
- DOXYZZ01: RMSE=0.7346, R2=0.3947 ($x=1.198314$, $y=-1.231284$, $R2_{opt}=0.394684$)