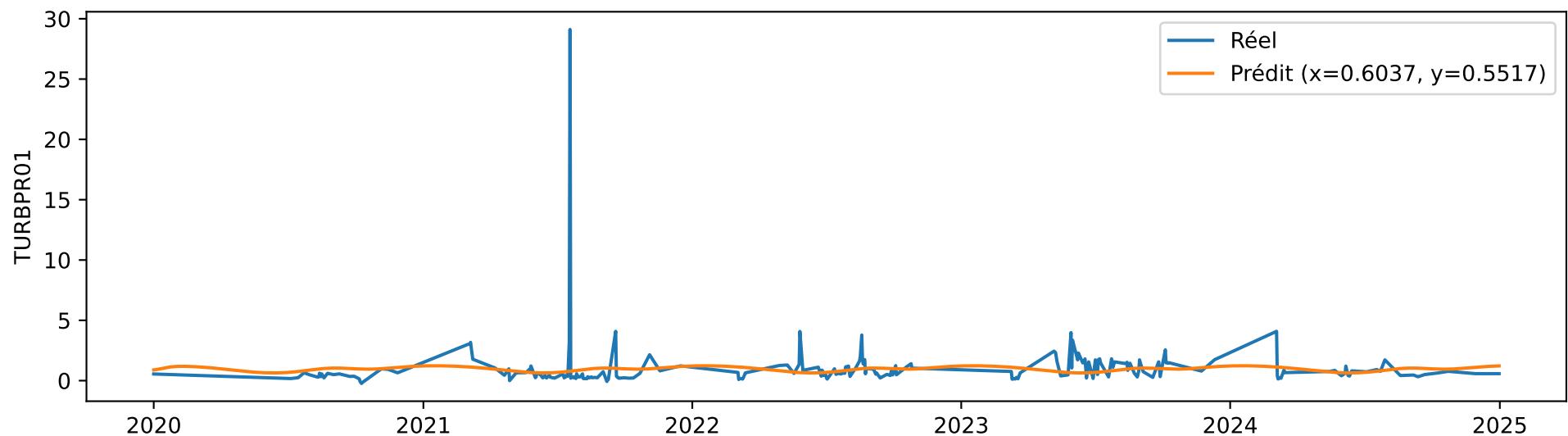
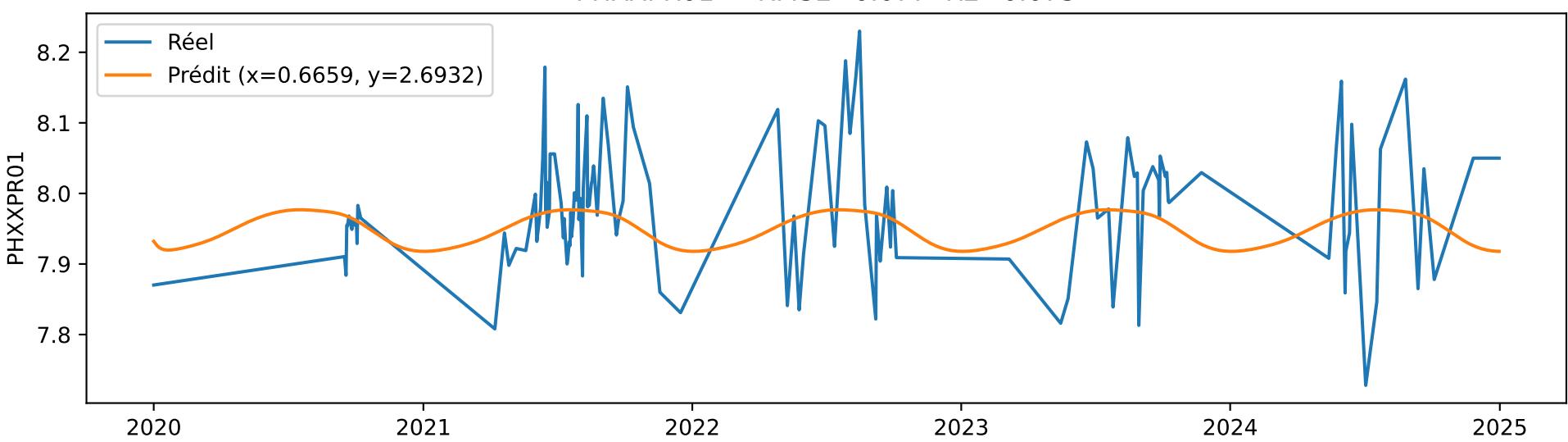


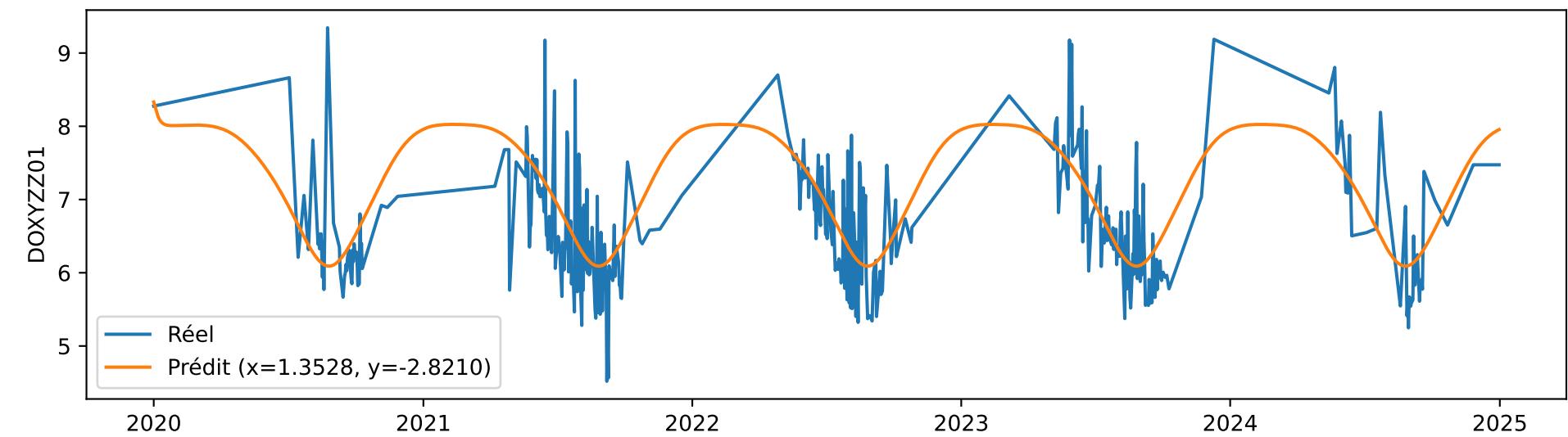
TURBPR01 — RMSE=0.964 R2=0.035



PHXXPR01 — RMSE=0.077 R2=0.073



DOXYZZ01 — RMSE=0.653 R2=0.518



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) :

- TURBPR01: RMSE=0.9635, R2=0.0346 ($x=0.603695$, $y=0.551715$, $R^2_{opt}=0.034623$)
- PHXXPR01: RMSE=0.0769, R2=0.0730 ($x=0.665917$, $y=2.693154$, $R^2_{opt}=0.072984$)
- DOXYZZ01: RMSE=0.6525, R2=0.5181 ($x=1.352818$, $y=-2.820977$, $R^2_{opt}=0.518068$)