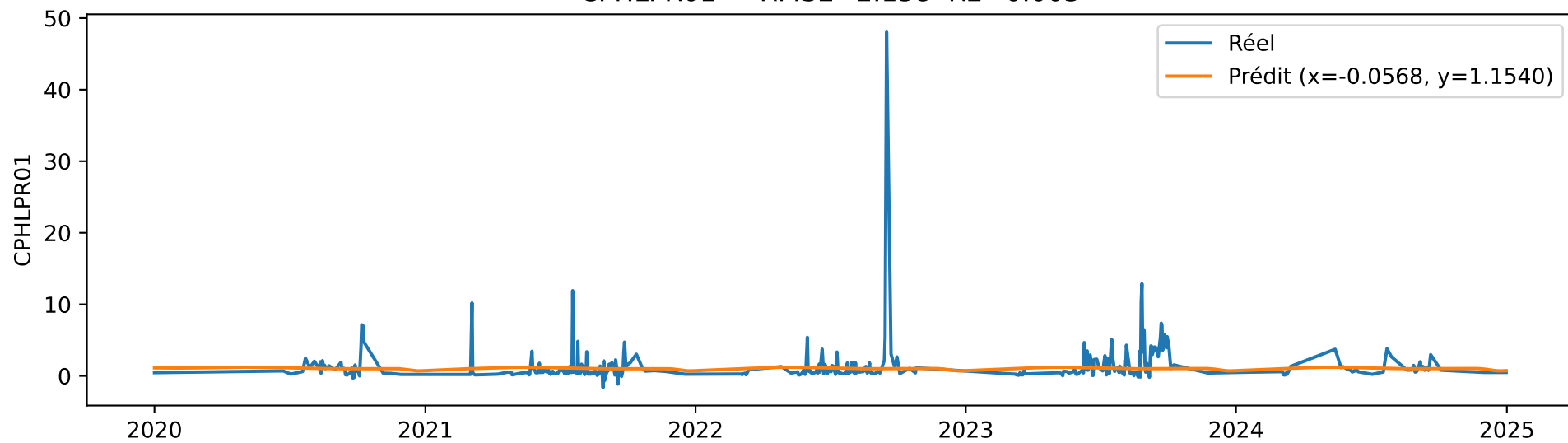
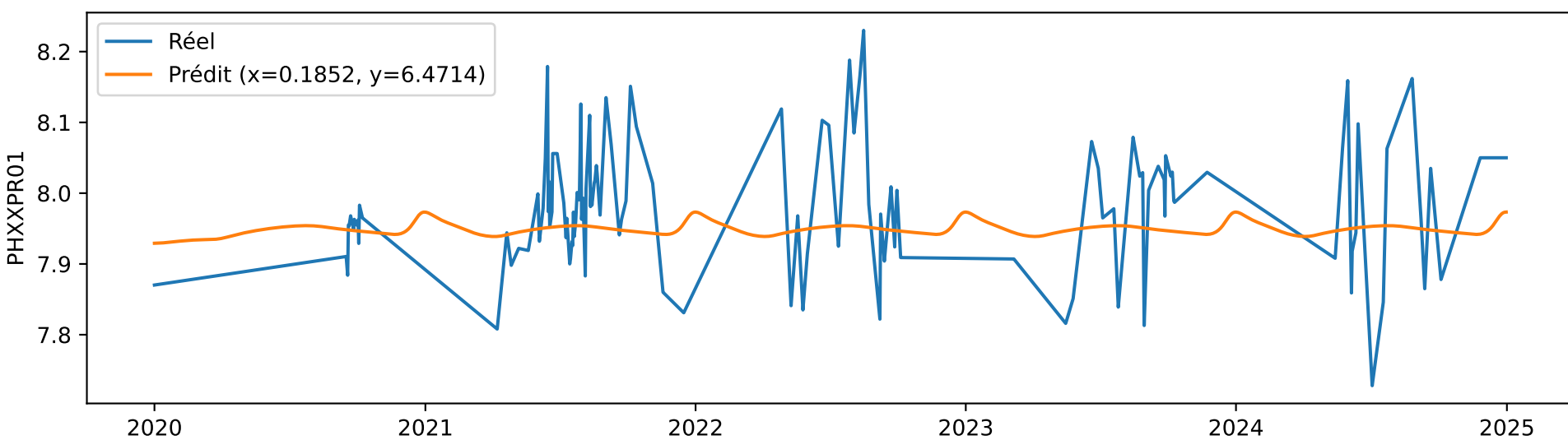


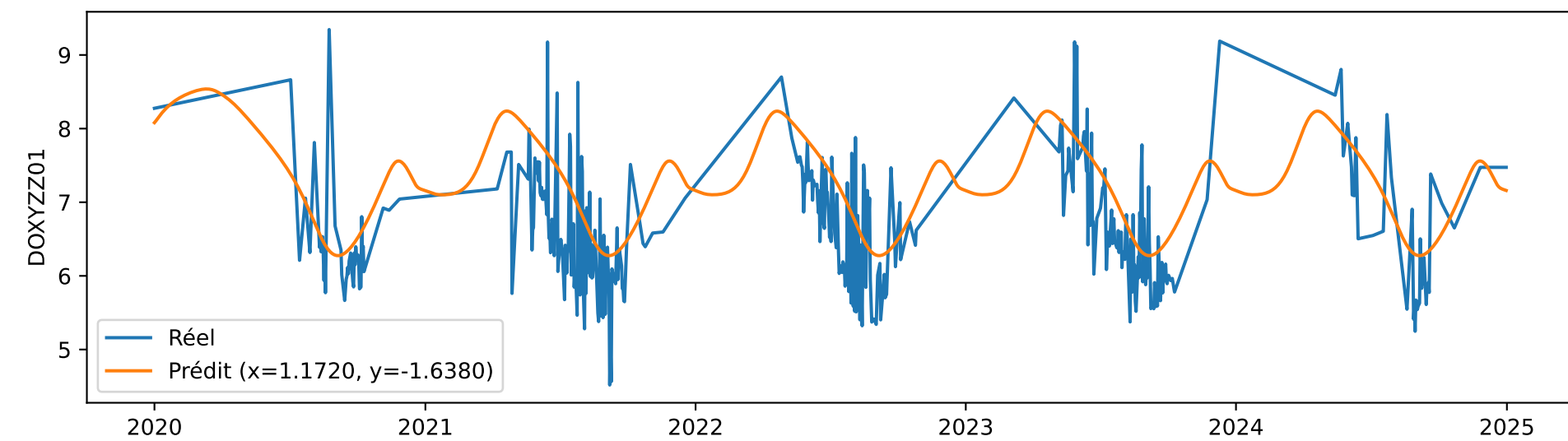
CPHLPR01 — RMSE=2.158 R2=0.003



PHXXPR01 — RMSE=0.079 R2=0.011



DOXYZZ01 — RMSE=0.720 R2=0.413



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=2.1576, R2=0.0034 (x=-0.056798, y=1.153959, R2_opt=0.003436)
 - PHXXPR01: RMSE=0.0794, R2=0.0114 (x=0.185231, y=6.471438, R2_opt=0.011373)
 - DOXYZZ01: RMSE=0.7202, R2=0.4128 (x=1.172024, y=-1.638004, R2_opt=0.412846)