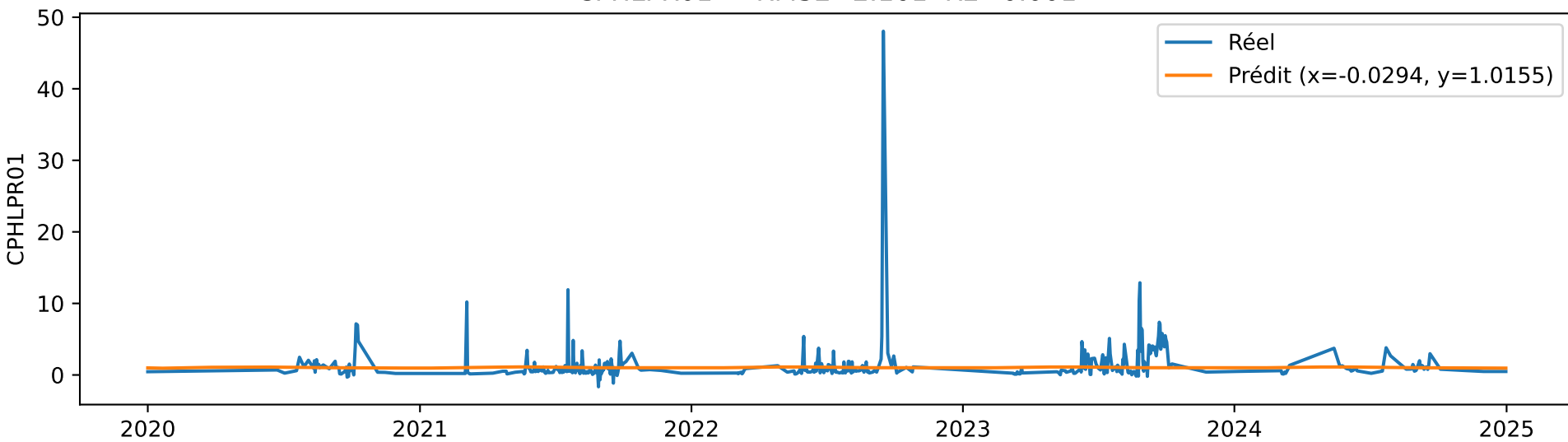
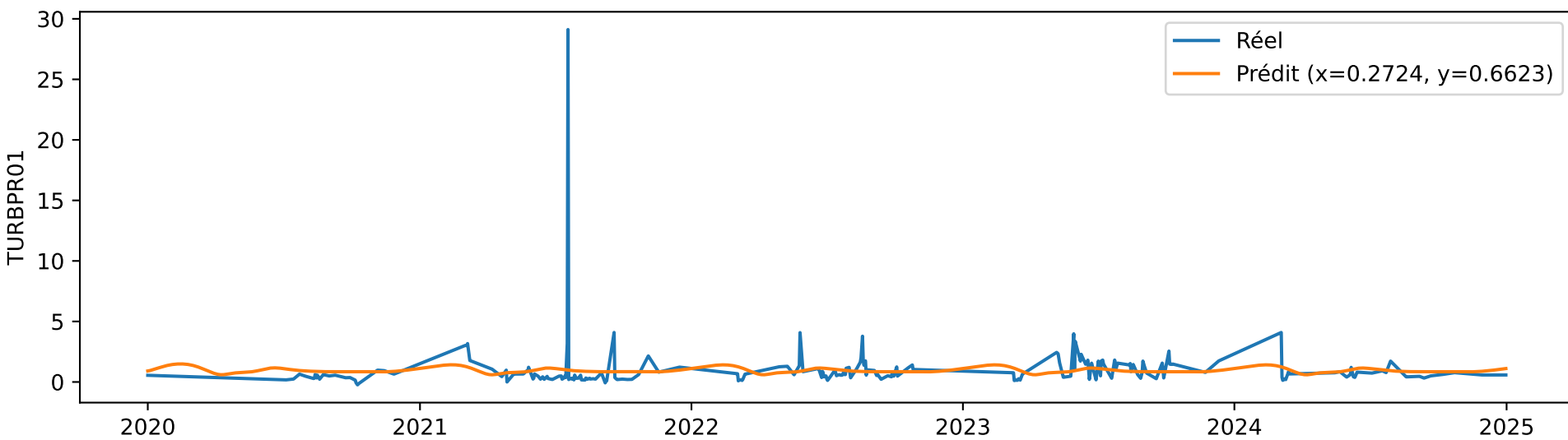


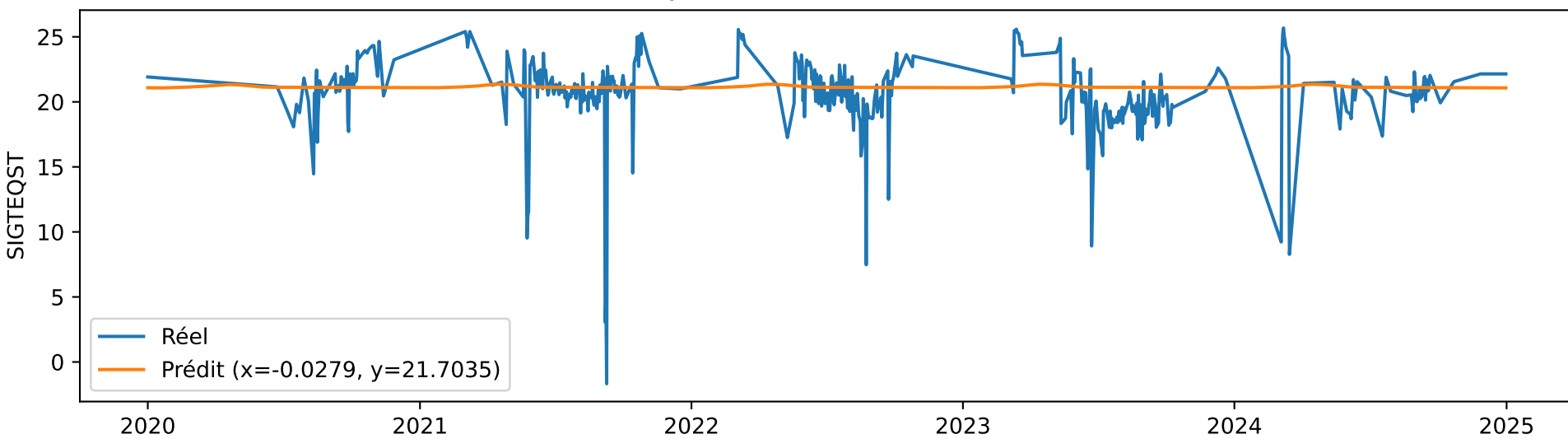
CPHLPR01 — RMSE=2.161 R2=0.001



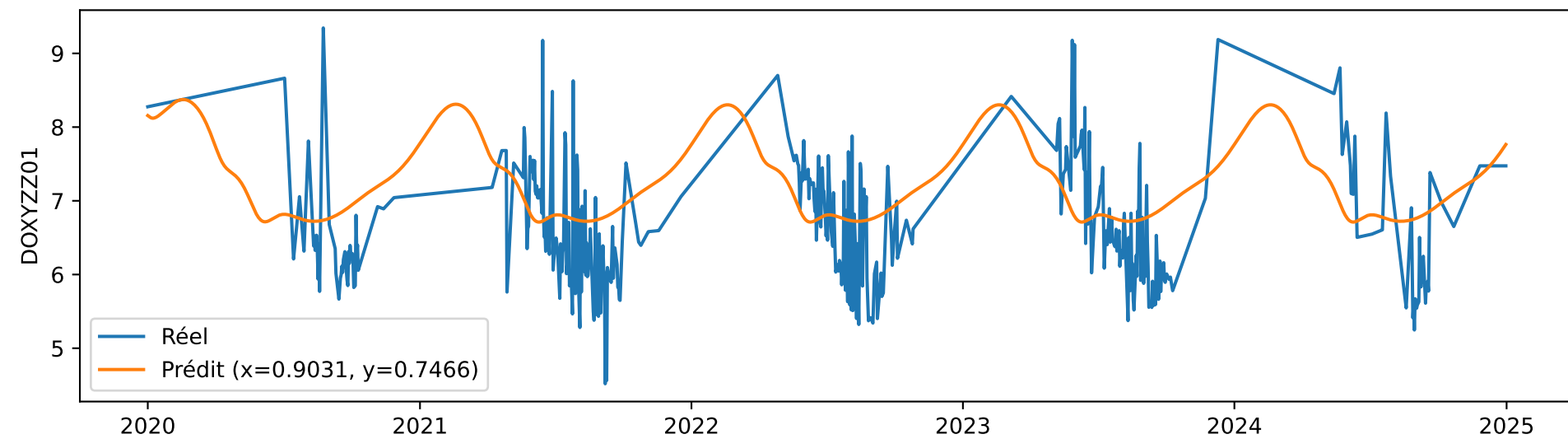
TURBPR01 — RMSE=0.959 R2=0.043



SIGTEQST — RMSE=2.543 R2=0.001



DOXYZZ01 — RMSE=0.770 R2=0.328



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=2.1607, R2=0.0006 (x=-0.029366, y=1.015510, R2\_opt=0.000560)
  - TURBPR01: RMSE=0.9592, R2=0.0433 (x=0.272358, y=0.662296, R2\_opt=0.043350)
  - SIGTEQST: RMSE=2.5427, R2=0.0010 (x=-0.027924, y=21.703494, R2\_opt=0.000972)
  - DOXYZZ01: RMSE=0.7703, R2=0.3284 (x=0.903094, y=0.746593, R2\_opt=0.328353)