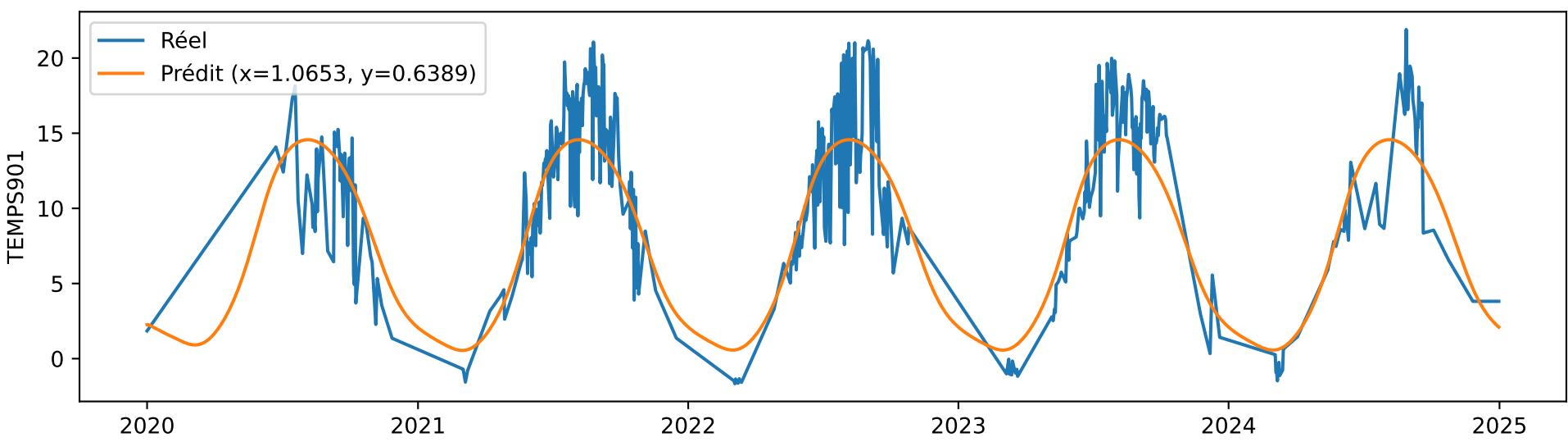
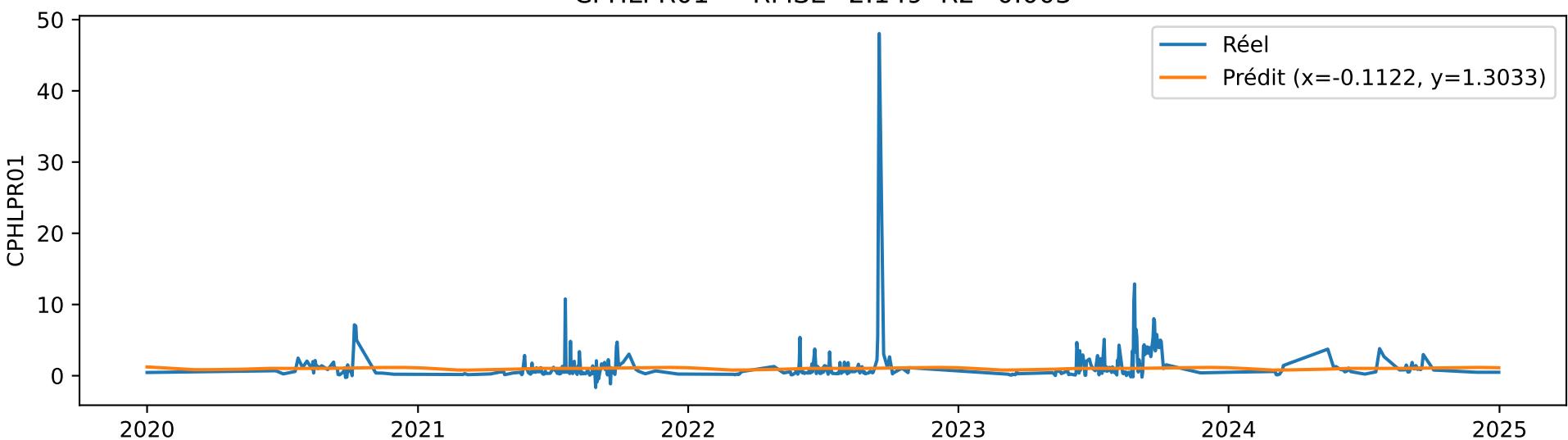


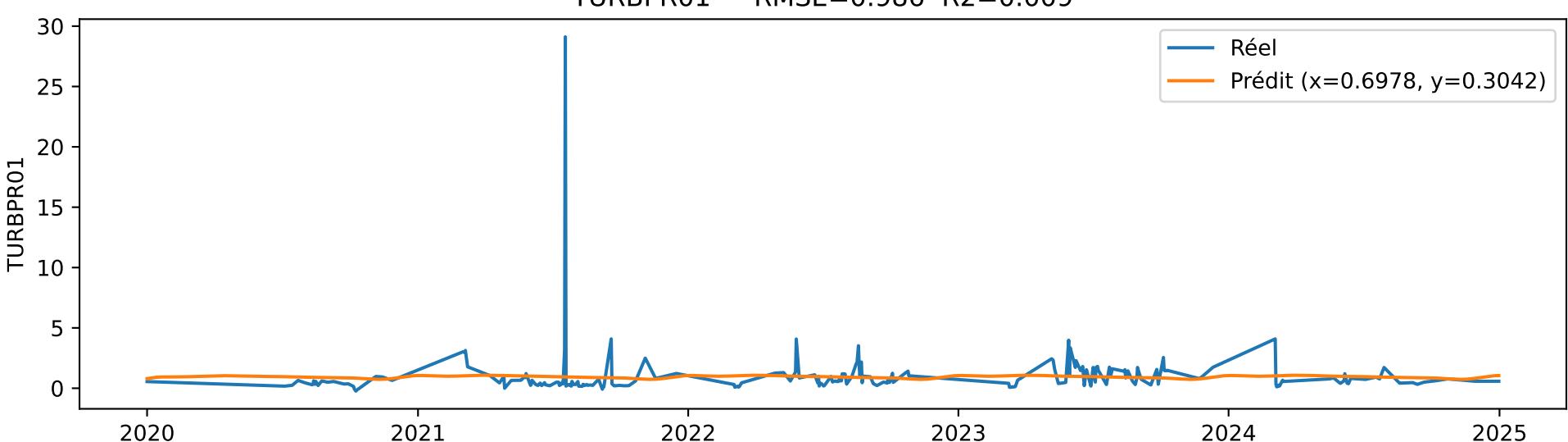
TEMPS901 — RMSE=2.680 R2=0.786



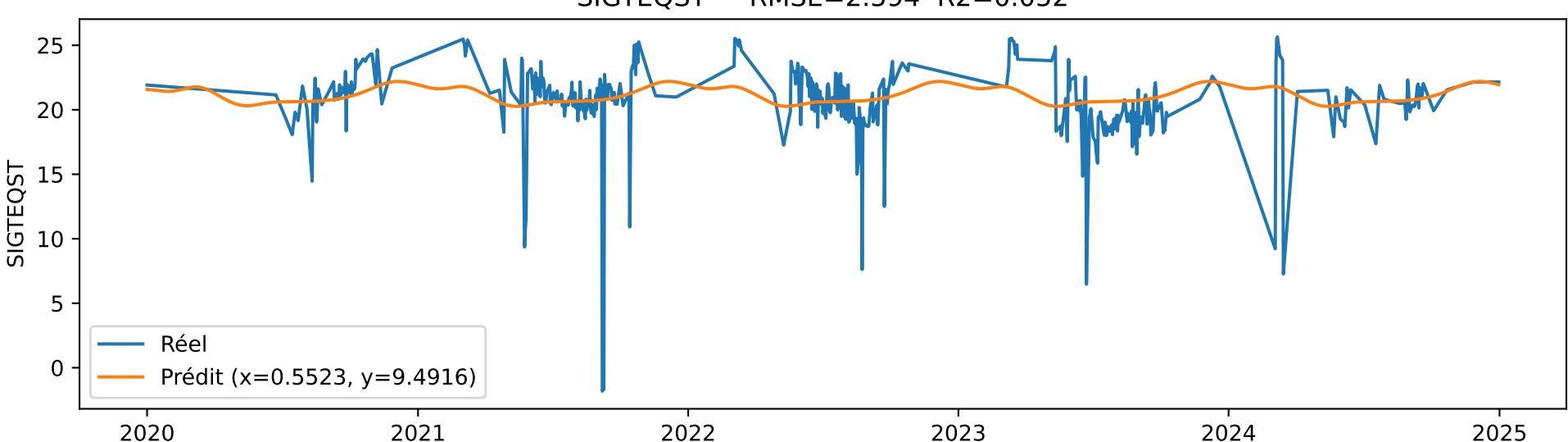
CPHLPR01 — RMSE=2.149 R2=0.003



TURBPR01 — RMSE=0.986 R2=0.009



SIGTEQST — RMSE=2.594 R2=0.052



## 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=2.6804, R2=0.7862 ( $x=1.065252$ ,  $y=0.638921$ ,  $R2_{opt}=0.786153$ )
- CPHLPR01: RMSE=2.1486, R2=0.0028 ( $x=-0.112184$ ,  $y=1.303348$ ,  $R2_{opt}=0.002757$ )
- TURBPR01: RMSE=0.9861, R2=0.0090 ( $x=0.697768$ ,  $y=0.304190$ ,  $R2_{opt}=0.008957$ )
- SIGTEQST: RMSE=2.5937, R2=0.0520 ( $x=0.552272$ ,  $y=9.491567$ ,  $R2_{opt}=0.052030$ )