

¹ **Supplement: Comparison of day-by-day reproducitvity of COVID-19 among countries
by a newly-developed reproduction index R^{W8}**

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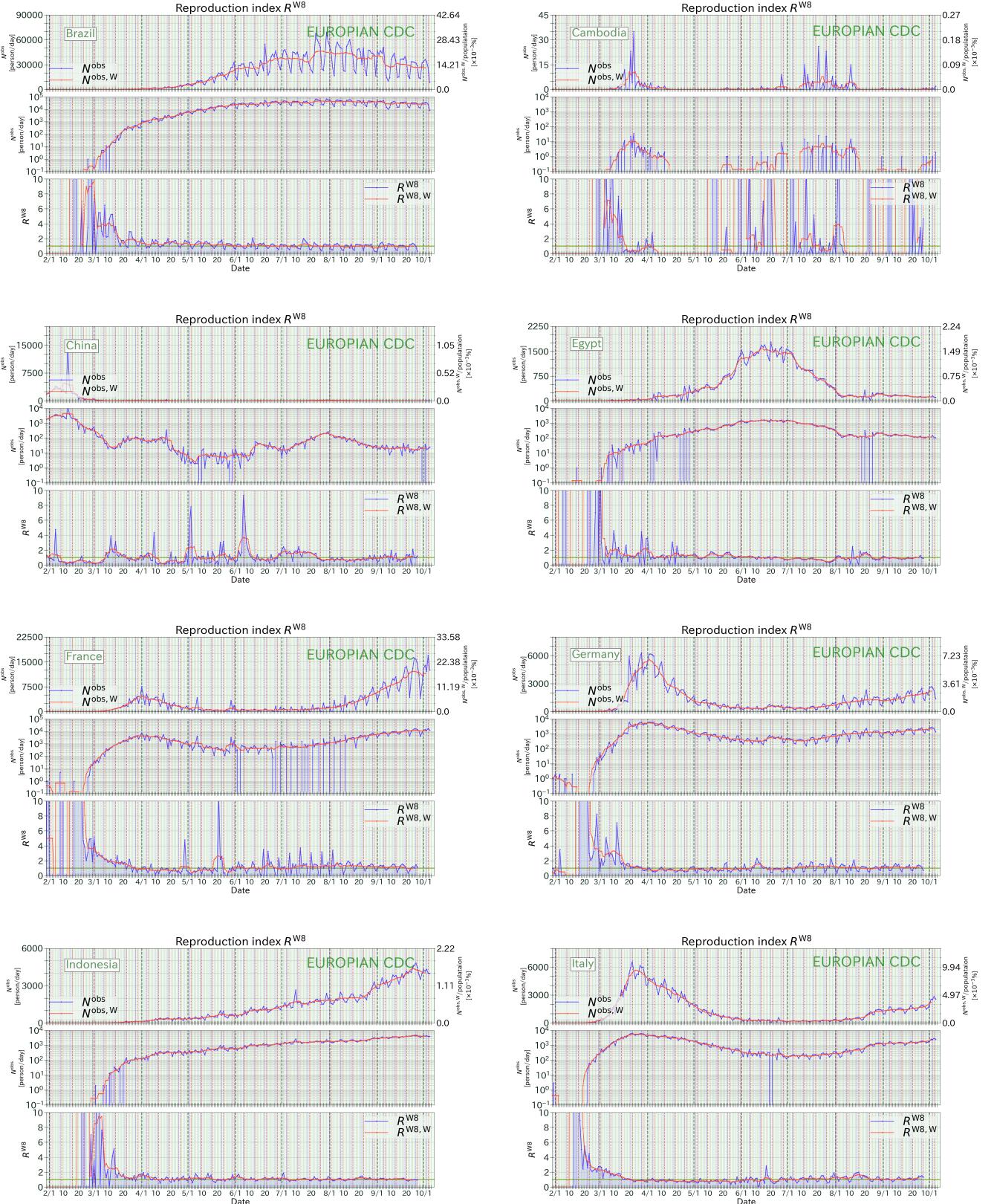


FIG. 1. In the top panel, we show the number of new cases $N^{\text{obs}}(i)$. In the middle panel, we show the weekly average $N^{\text{obs},W}(i)$. In the bottom panel, we show the reproduction index $R^{\text{W8}}(i)$, where hatch areas below data lines as a guide of eyes.

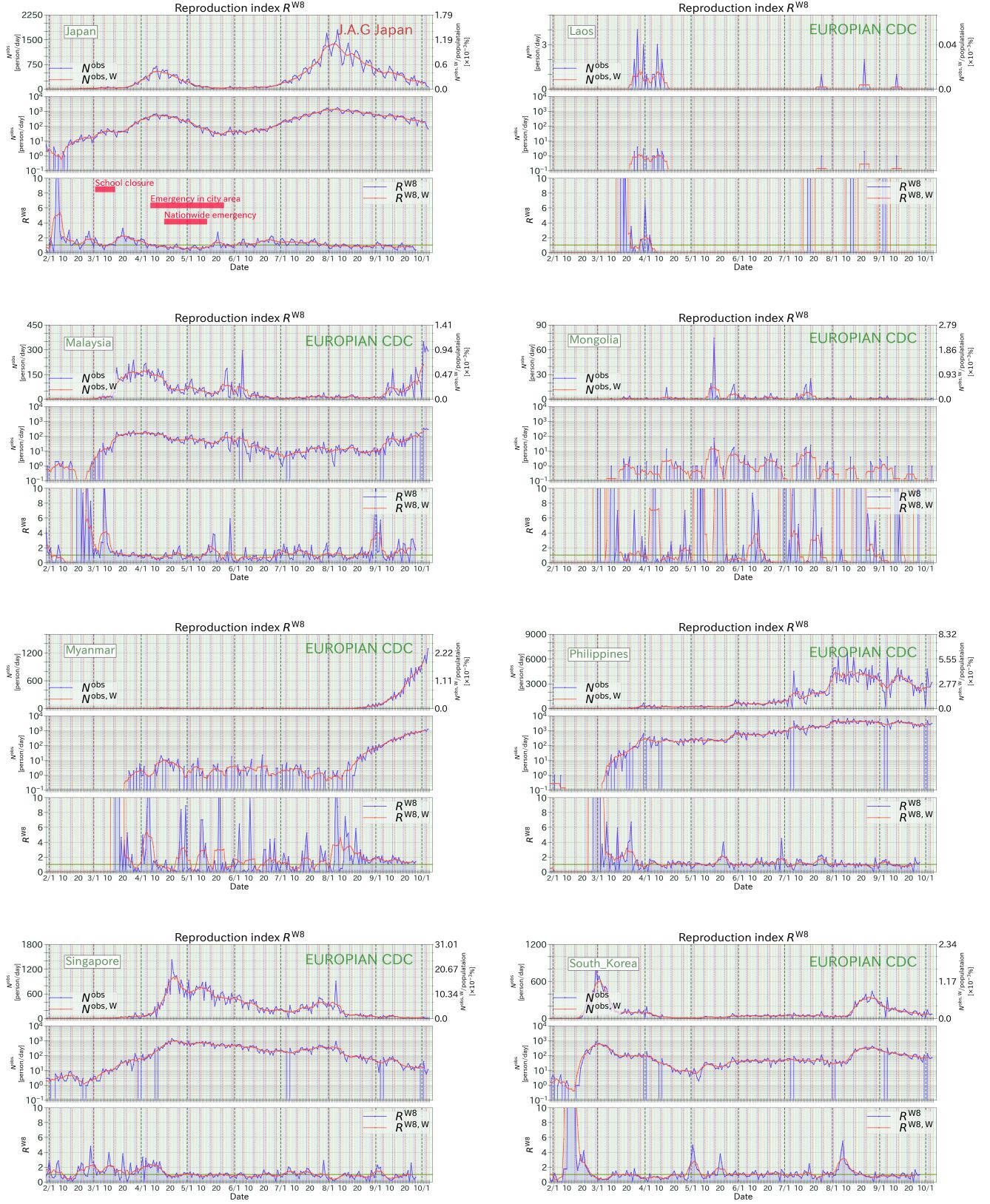


FIG. 2. same as fig.1

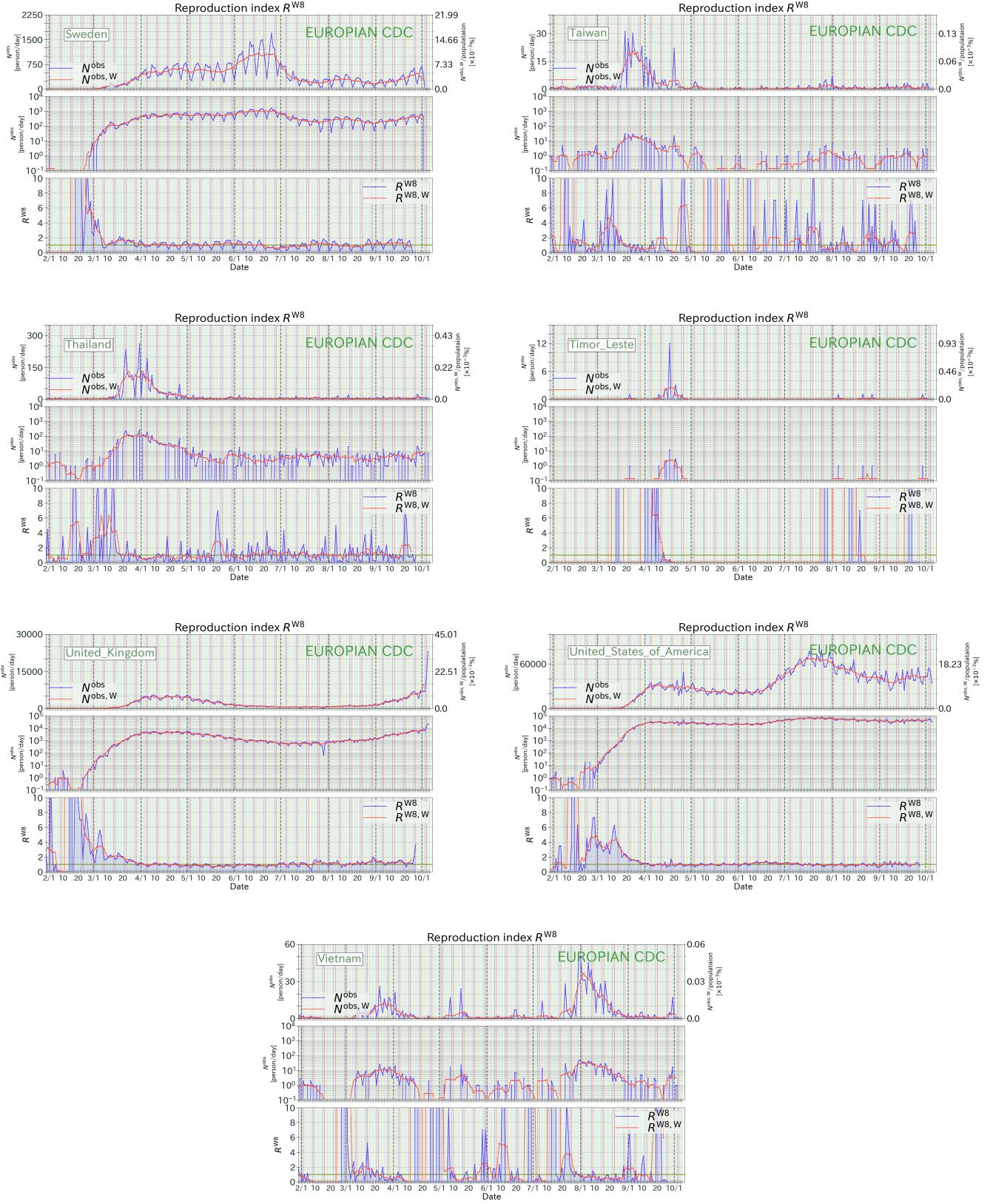


FIG. 3. same as fig.1