

¹ **Supplement: Comparison of day-by-day reproducitvity of COVID-19 among countries
2 by a newly-developed reproduction index R^{W9}**

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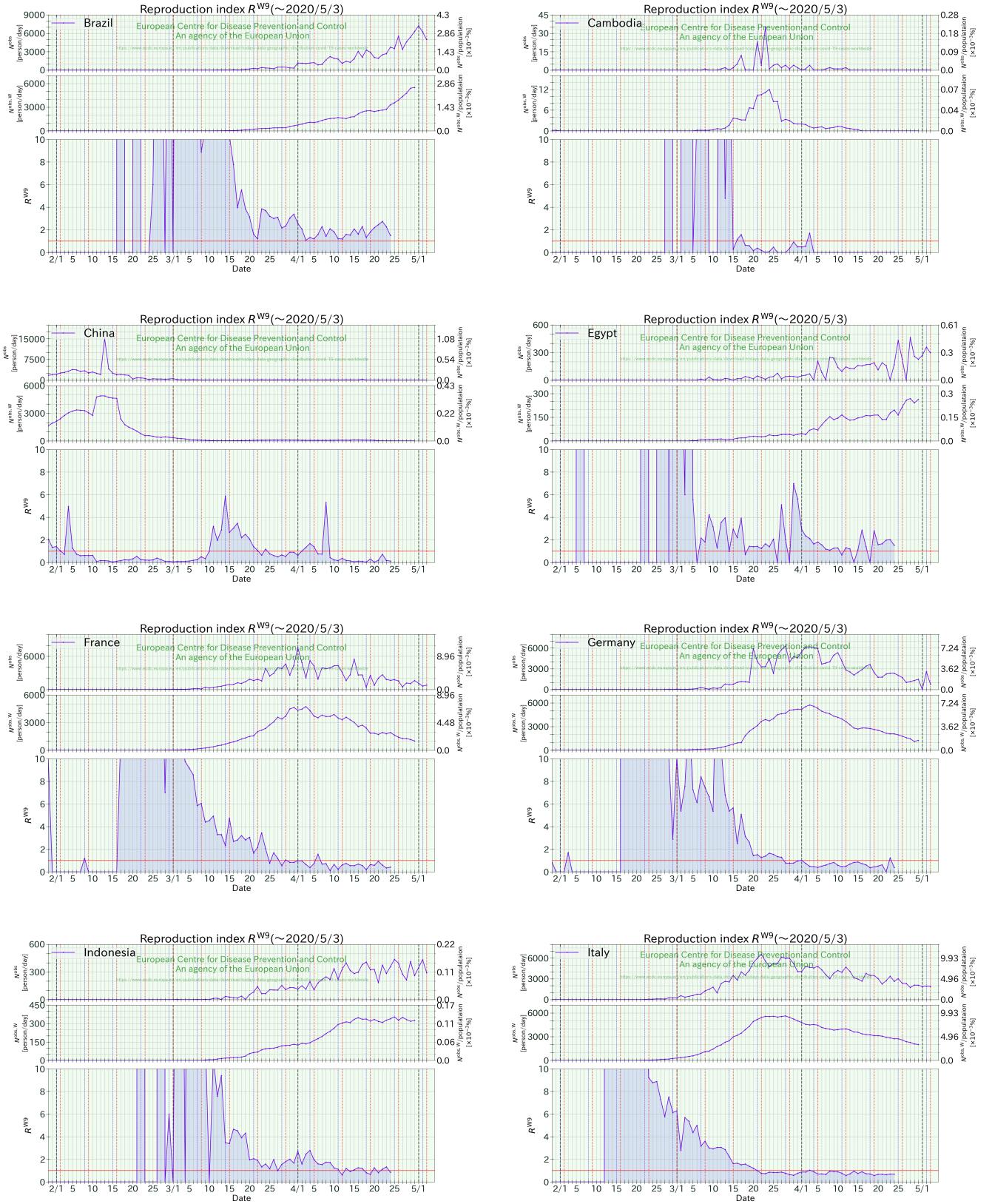


FIG. 1. In the top panel, we show the number of new cases $N^{obs}(i)$. In the middle panel, we show the weekly average $N^{obs,W}(i)$. In the bottom panel, we show the reproduction index $R^{W9}(i)$, where hatch areas below data lines as a guide of eyes.



FIG. 2. same as fig.1

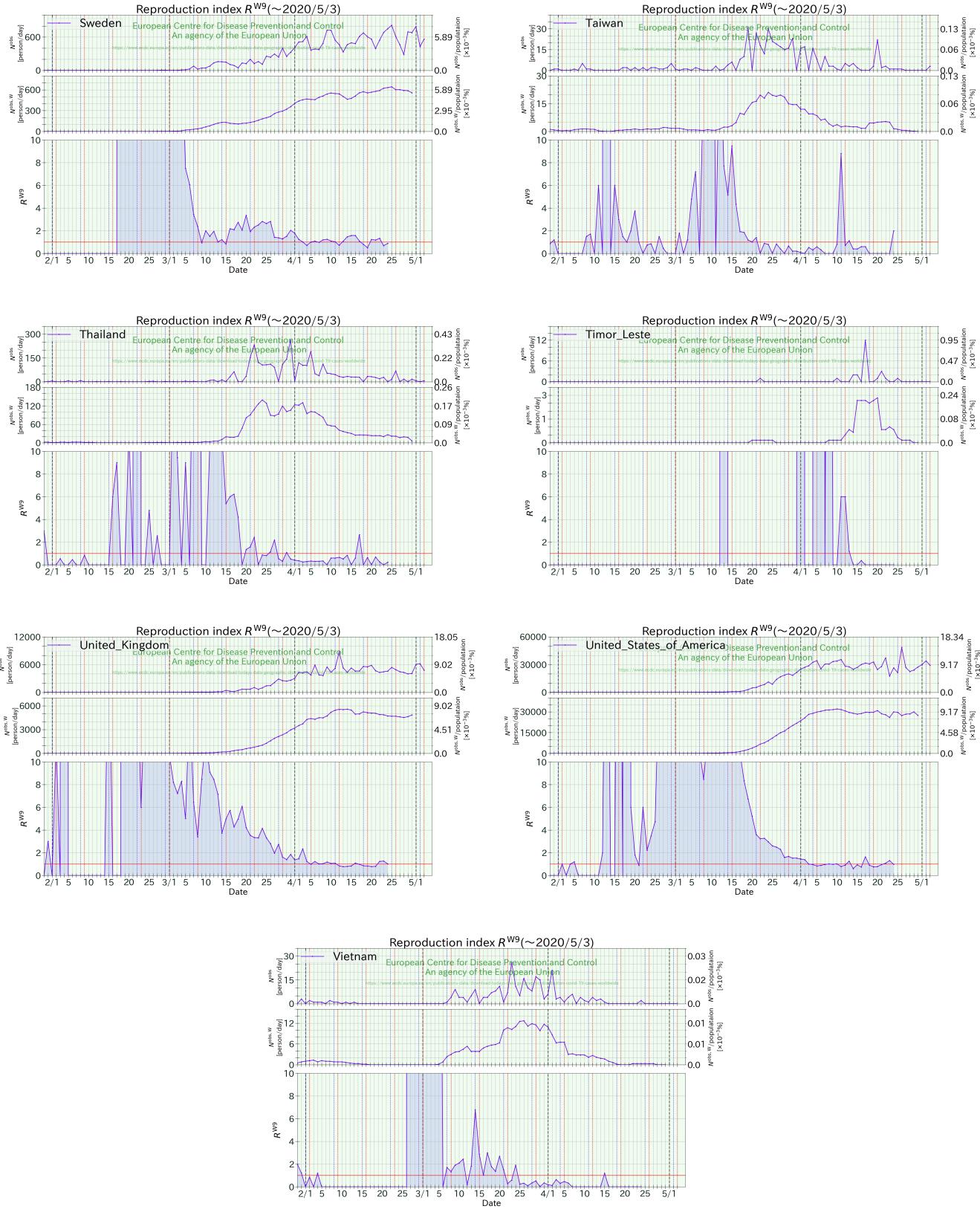


FIG. 3. same as fig.1