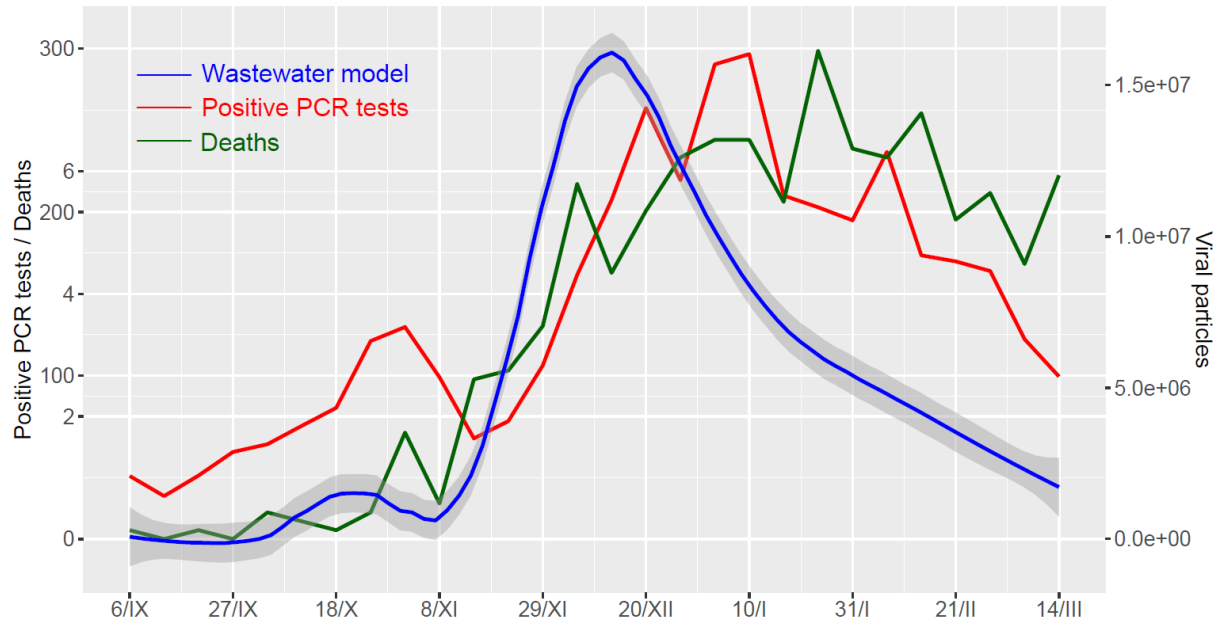


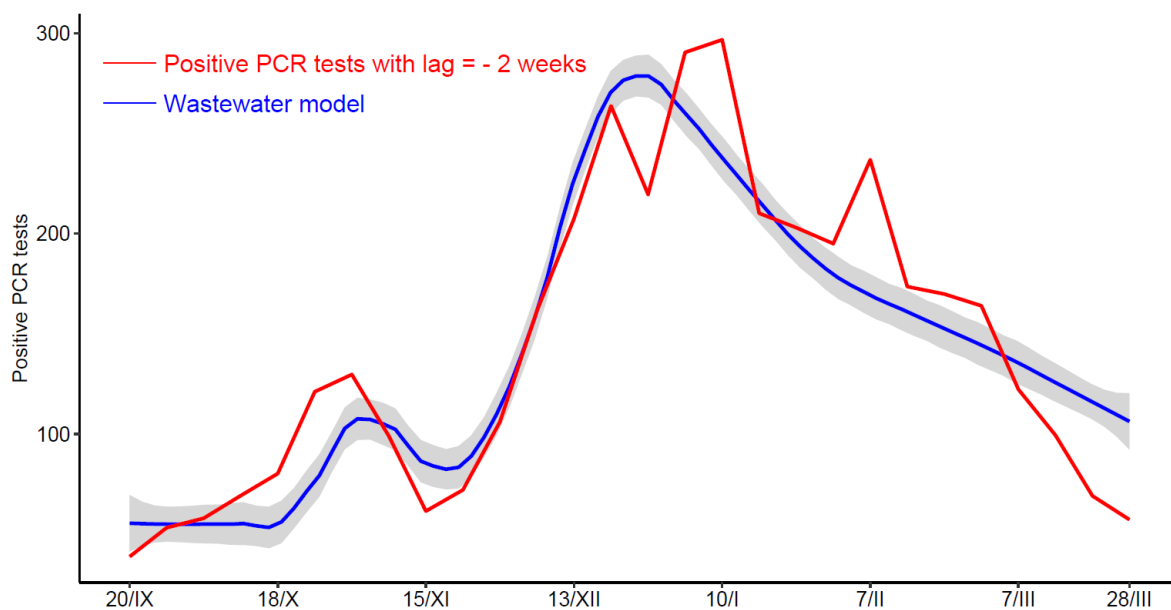
Wastewater monitoring of SARS-CoV-2 from wastewater in Bratislava, Slovakia

The statistics for Bratislava shows the correlation between the positive PCR tests, deaths caused by COVID-19 and detected virus particles from wastewater (our wastewater model) – figures 01, 02, 03.



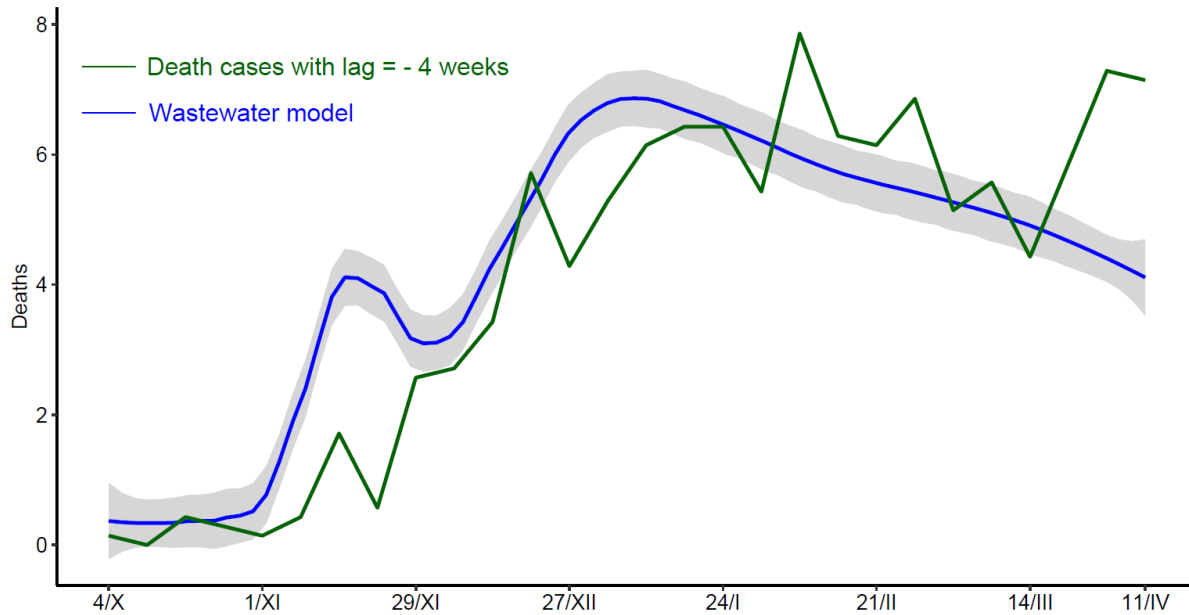
fig_01

Reported numbers of positive PCR tests and reported numbers of death cases vs wastewater viral particles data model in Bratislava. The monitored time period was from September 2020 to March 2021.



fig_02

Reported numbers of positive PCR tests with the time lag of 2 weeks vs double square root wastewater model estimation of positive PCR tests in Bratislava ($R^2=83.78\%$, $p\text{-value}<0.0001$). The monitored time period was from September 2020 to March 2021.



fig_03

Reported numbers of death cases with the time lag of 4 weeks vs square root-Y logarithmic-X wastewater model estimation of death cases in Bratislava ($R^2=83.21\%$, $p\text{-value}<0.0001$). The monitored time period was from September 2020 to March 2021.

Wastewater monitoring of SARS-CoV-2 from wastewater in Petržalka (Bratislava district), Slovakia

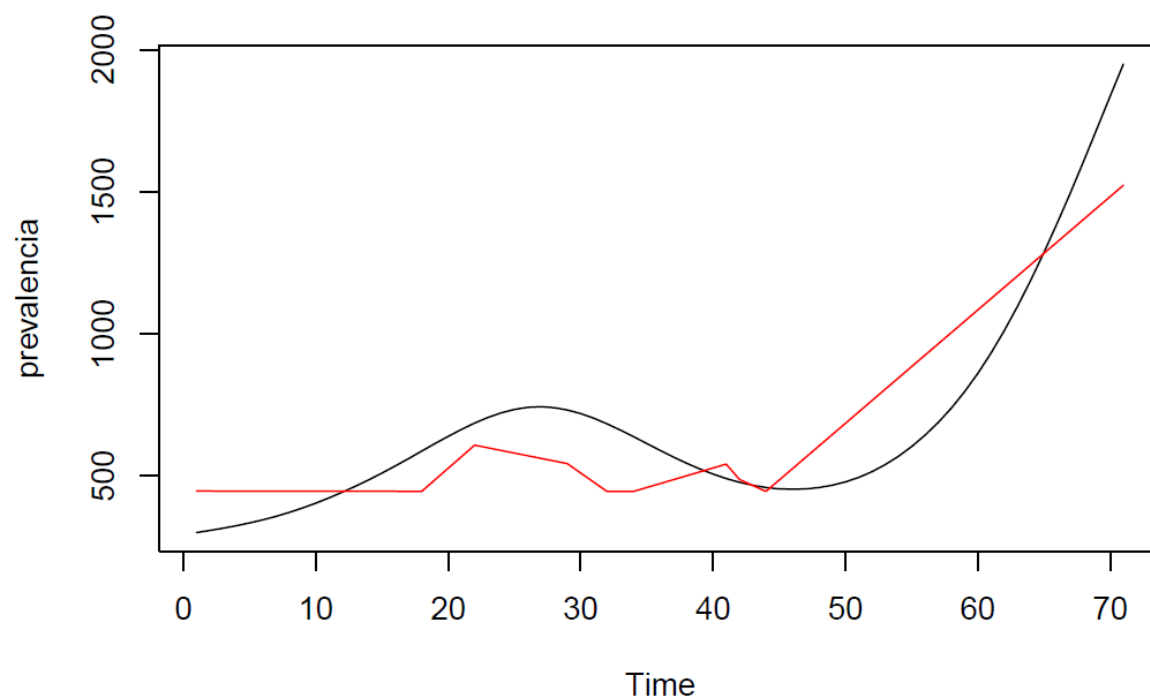


Figure 1. Here we focused on the time shifts between the number of viral particles in the water and positive PCR tests. The data displays the correlation highest when we focused on 2 weeks time lag.

Wastewater monitoring of SARS-CoV-2 from wastewater in Košice, Slovakia

Data from reported numbers of positive RT-qPCR tests and reported numbers of death cases were compared to the number of viral particles in wastewater in Košice and visualized in the following figure.

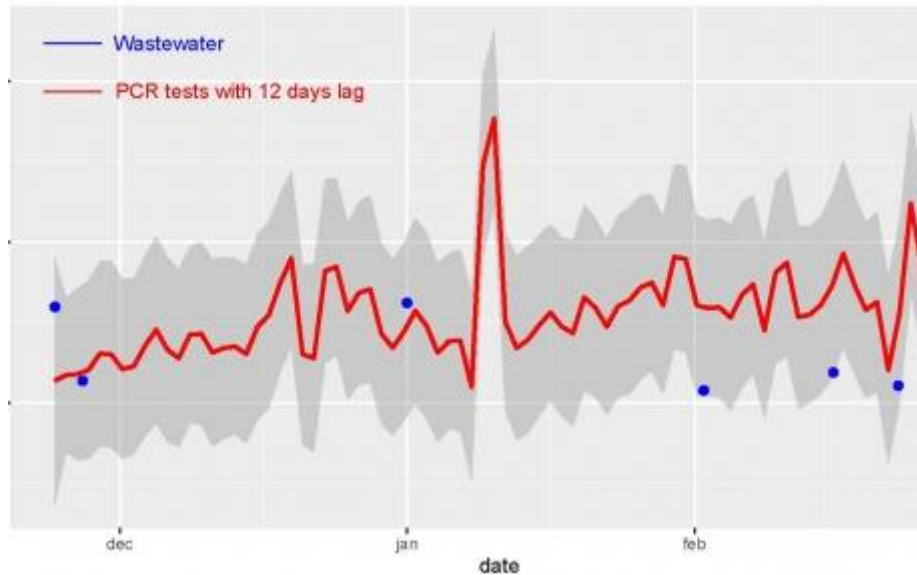


Figure 1. Here we focused on the time shifts between the number of viral particles in the water and positive PCR tests. The data displays the correlation highest when we focused on 2 weeks time lag.

Wastewater monitoring of SARS-CoV-2 from wastewater in Prešov, Slovakia

Data from reported numbers of positive RT-qPCR tests and reported numbers of death cases were compared to the number of viral particles in wastewater in Prešov and visualized in the following figure.

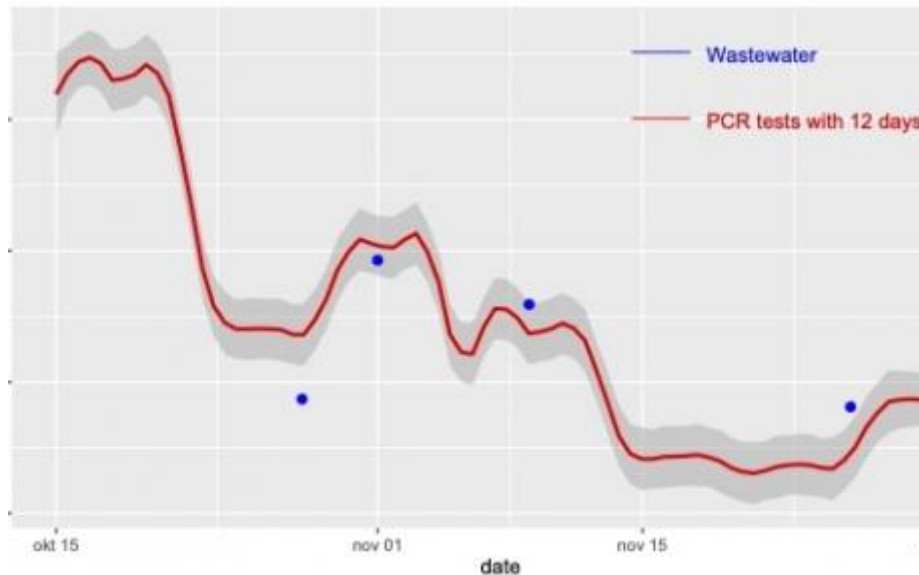


Figure 1. Here we focused on the time shifts between the number of viral particles in the water and positive PCR tests. The data displays the correlation highest when we focused on 2 weeks time lag

Wastewater monitoring of SARS-CoV-2 from wastewater in Žilina, Slovakia

Data from reported numbers of positive RT-qPCR tests and reported numbers of death cases were compared to the number of viral particles in wastewater in Žilina and visualized in the following figures.

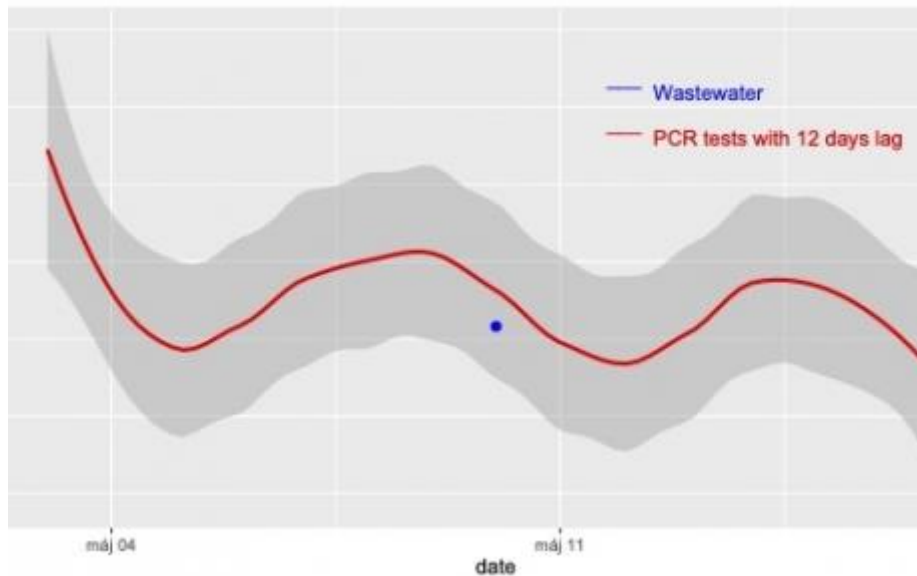


Figure 1. Here we focused on the time shifts between the number of viral particles in the water and positive PCR tests. The data displays the correlation highest when we focused on 2 weeks time lag.

Wastewater monitoring of SARS-CoV-2 from wastewater in Banská Bystrica, Slovakia

Data from reported numbers of positive RT-qPCR tests and reported numbers of death cases were compared to the number of viral particles in wastewater in Banská Bystrica and visualized in the following figures.

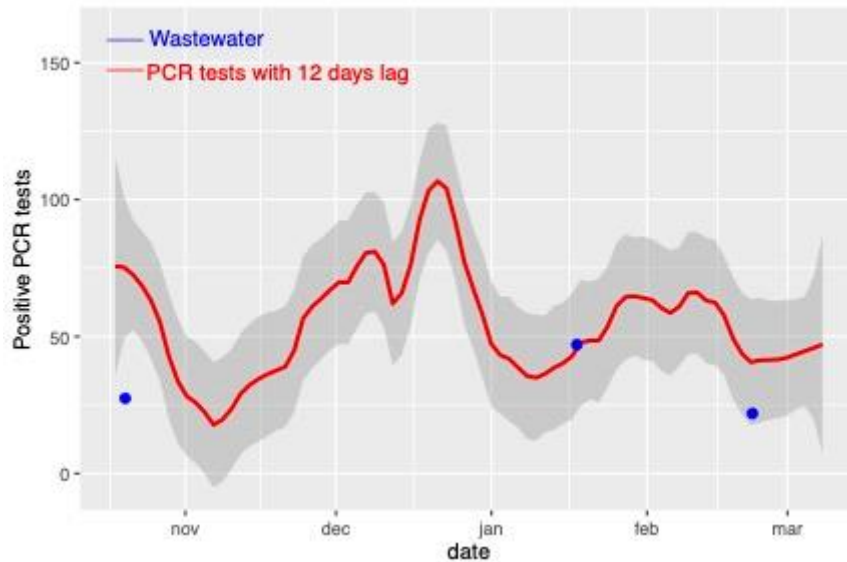


Figure 1. Here we focused on the time shifts between the number of viral particles in the water and positive PCR tests. The data displays the correlation highest when we focused on 2 weeks time lag.

Wastewater monitoring of SARS-CoV-2 from wastewater in Trenčín, Slovakia

Data from reported numbers of positive RT-qPCR tests and reported numbers of death cases were compared to the number of viral particles in wastewater in Trenčín and visualized in the following figures.

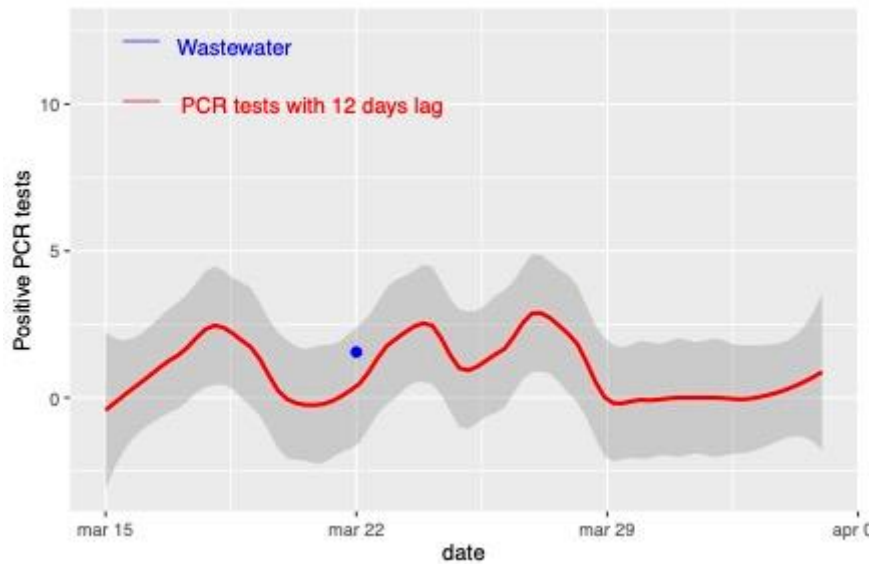


Figure 1. Here we focused on the time shifts between the number of viral particles in the water and positive PCR tests. The data displays the correlation highest when we focused on 2 weeks time lag.

Wastewater monitoring of SARS-CoV-2 from wastewater in Trnava, Slovakia

Data from reported numbers of positive RT-qPCR tests and reported numbers of death cases were compared to the number of viral particles in wastewater in Trnava and visualized in the following figures.

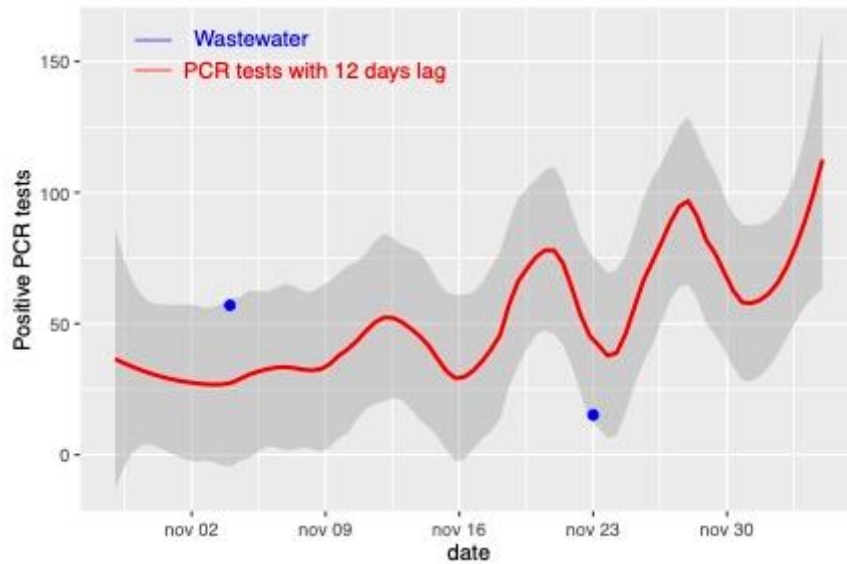


Figure 1. Here we focused on the time shifts between the number of viral particles in the water and positive PCR tests. The data displays the correlation highest when we focused on 2 weeks time lag.

Wastewater monitoring of SARS-CoV-2 from wastewater in Piešťany, Slovakia

Data from reported numbers of positive RT-qPCR tests and reported numbers of death cases were compared to the number of viral particles in wastewater in Piešťany and visualized in the following figures.

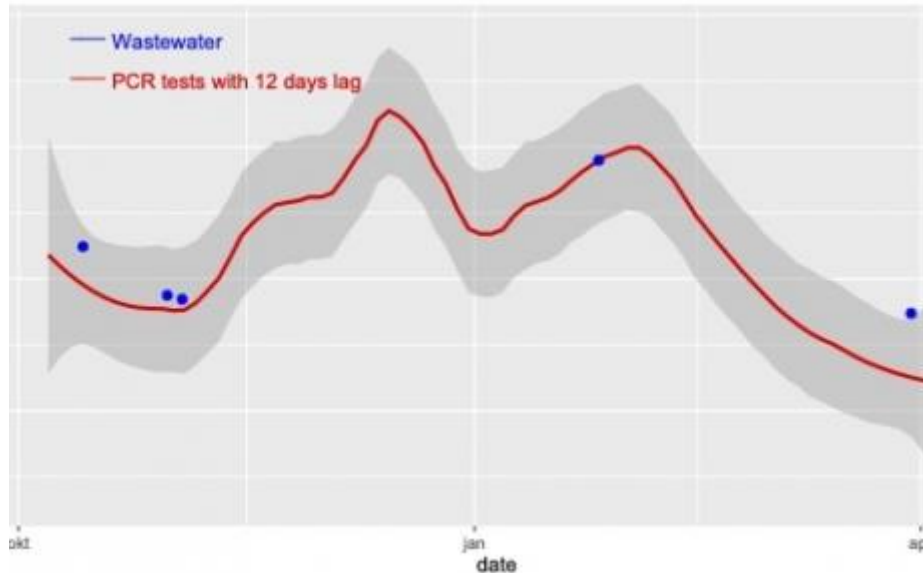


Figure 1. Here we focused on the time shifts between the number of viral particles in the water and positive PCR tests. The data displays the correlation highest when we focused on 2 weeks time lag.

Wastewater monitoring of SARS-CoV-2 from wastewater in Nováky, Slovakia

Data from reported numbers of positive RT-qPCR tests and reported numbers of death cases were compared to the number of viral particles in wastewater in Nováky and visualized in the following figures.

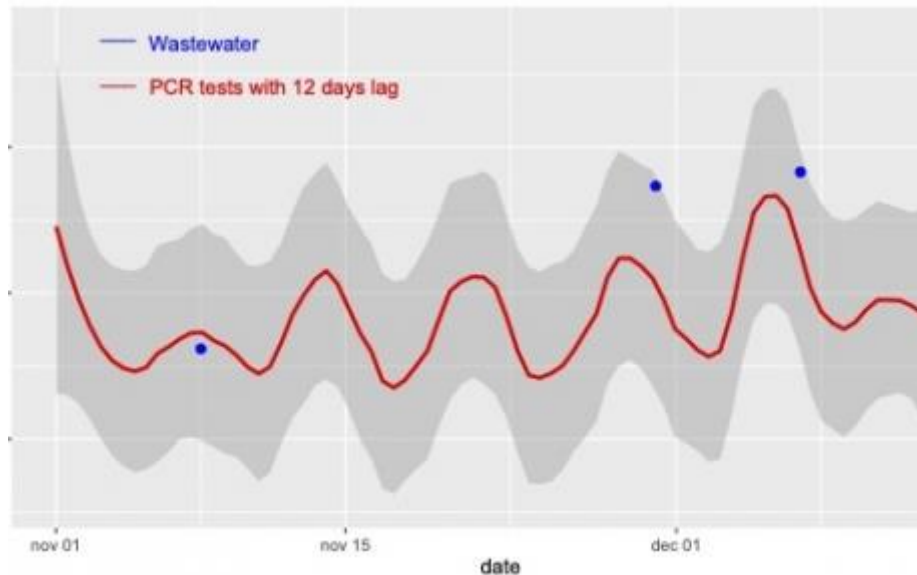


Figure 1. Here we focused on the time shifts between the number of viral particles in the water and positive PCR tests. The data displays the correlation highest when we focused on 2 weeks time lag.

Wastewater monitoring of SARS-CoV-2 from wastewater in Poprad, Slovakia

Data from reported numbers of positive RT-qPCR tests and reported numbers of death cases were compared to the number of viral particles in wastewater in Poprad and visualized in the following figures.

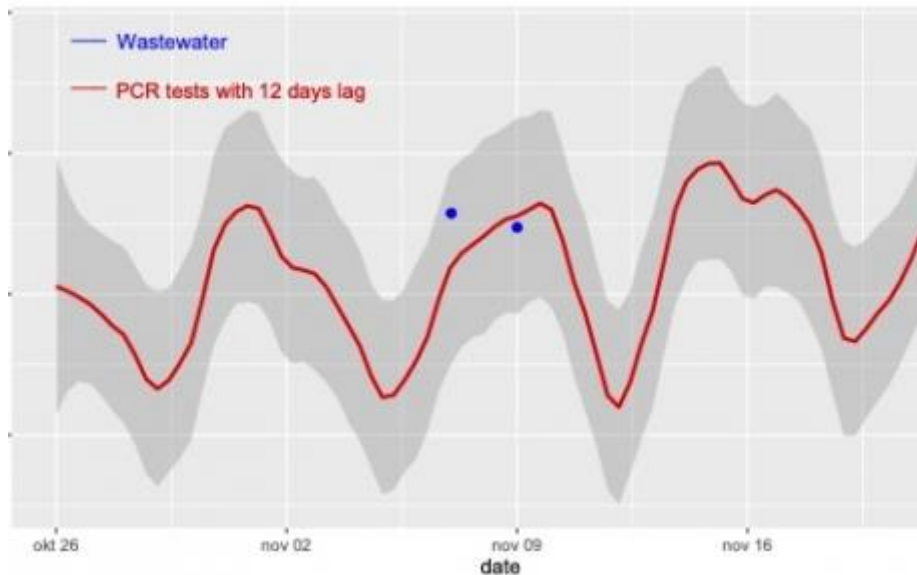


Figure 1. Here we focused on the time shifts between the number of viral particles in the water and positive PCR tests. The data displays the correlation highest when we focused on 2 weeks time lag.