

## ***Interactive comment on “Seismic evidences of the COVID-19 lockdown measures: Eastern Sicily case of study” by Andrea Cannata et al.***

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"Seismic evidences of the COVID-19 lockdown measures: Eastern Sicily case of study" analyzes the data from the seismic network on Sicily during the lockdown. I am attaching an annotated pdf with smaller comments, mainly with some writing-related suggestions. In terms of the science, the analysis is thorough, and could be published in its current form. However, I wanted to propose something for the authors/editors to consider. To me, Figure 11 is the most exciting result: an increase in detection levels for earthquakes during the lockdown. I would provide more info (and data to show the increased S/N!) on this, and have a more focused build-up to this result, and have maybe less of the first 10 figures, as most of those observations were already reported in other settings in the existing published literature on this topic. If the authors agree, the ab-

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stract and conclusions should also highlight this result with quantitative information on this enhanced detection level.

Finally, I was wondering if weather data is available for the region? I say this, because it may be that winds could shake trees and buildings affecting seismic noise, even in the 10+ Hz band. If you agree, a correlation between wind speed (for example) and seismic noise levels may help build the case that enhanced detection level of earthquakes is due to anthropogenic quieting during the COVID-19 lockdown on Sicily.

Sincerely,

Kasper van Wijk

Please also note the supplement to this comment:

<https://se.copernicus.org/preprints/se-2020-136/se-2020-136-RC3-supplement.pdf>

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Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2020-136>, 2020.

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