Analysis of the role of Saharan Dust Intrusions in PM_{10} precipitation scavenging in the NW Mediterranean

- Analysis of PM_{10} daily concentration changes in days with recorded precipitation.
- Data comes from four measurement stations in Catalonia for the period 2019-2022.
- African Dust Outbreaks (ADO) could mask PM_{10} precipitation scavenging.
- In days with ADO, PM_{10} daily concentration decreases in comparison with the day before only in 50% of the cases.
- In days without ADO, PM_{10} daily concentration decreases in general 60% of the cases. This percentage grows up to 90% if ΔPM_{10} is big in absolute value.