Global Trends on Aerosols ...
are just one tap away

Aerosol App

Your easy access to aerosol classification and distribution.

prevalent particle detection

In the atmosphere, there are large numbers of particles, but usually there is **only one prevalent type**. The aerosol app can identify this prevalent particle in many cases.

The classification* into different types happens **due to their intrinsic properties**, based on different criteria, described within the app.

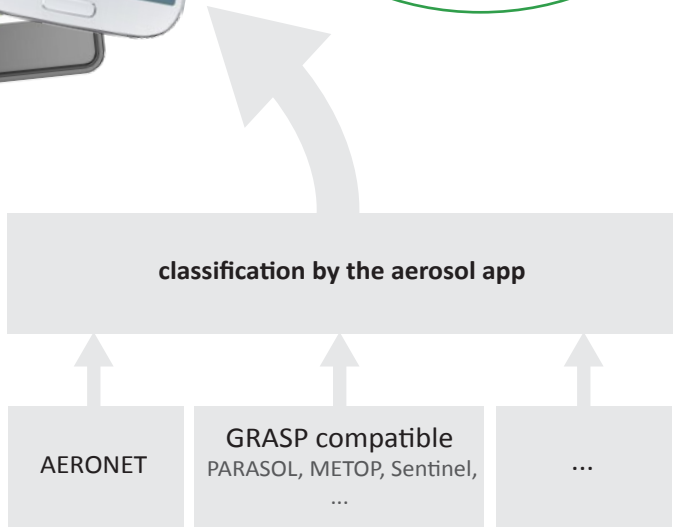
heating / cooling effect

Aerosols have an impact on the temperature in the atmosphere. As a result they can have a cooling or warming effect, **depending on which type they correspond with and in what concentration they occur.**

possible sources

Currently, data from AERONET is used to demonstrate the potential of this application. Alternatively, GRASP can provide all these characteristics globally from any compatible satellite sensor. e.g. PARASOL, METOP, Sentinel, etc.

The aerosol app gives the earth observation and climate research community the chance to **enhance the understanding of aerosols in the context of climate development.**



*Additional infos: www.catalysts.cc/innovation/aerosolapp →

We are looking forward to your feedback on our empirical classification of aerosols!

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High Performance Computing
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