



Convective and Volcanic Clouds (CVC)

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Message from the Guest Editors

Convective and Volcanic Clouds (CVC) are very dangerous for aviation operations, as they can affect aircraft safety and economic, political, and cultural activities. The detection, nowcasting, and monitoring of CVC is vital for organizing efficient early warning systems. Convection and volcanic eruptions can reach the upper troposphere and lower stratosphere and impact atmospheric variability and climate change.

The proposed Special Issue aims to incorporate contributions from different fields such as

- Forecasting tools to support air traffic management, thus improving the limits of the present science and new products/tools and providing better services to the end-users;
- Extreme clouds remote sensing with novel techniques and new sensors;
- Novel techniques to detect overshooting and their impact on climate;
- A special focus on the recent Anak Krakatau eruption (December 2018), with an extensive discussion of the interaction between volcanic cloud and surrounding convection.





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Message from the Editor-in-Chief

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