

# SUCCESS CASES OF THE STATE OF MINAS GERAIS/BRAZIL

## WATER RESOURCES

### Weather Alert System

- ✓ Weather alert System are very short-term warnings, lasting a maximum of 2 hours, indicating the occurrence of storms in a specific municipality or micro-region.
- ✓ To issue alerts, real-time monitoring of mesoscale meteorological systems is required, in which severe storms are included. Monitoring is based on meteorological radar scans and images from geostationary satellites, which makes it possible to monitor the life cycle of the active system.
- ✓ From the detection of a storm with severe weather signatures, it is extrapolated in time and space, when and where this storm will be acting in the future, thus inferring the municipalities that should be impacted by the occurrence of hail, windstorms, intense rain and /or tornadoes and we issue alerts for these through the State Civil Defense Coordination – CEDEC.

Alerts issued - Mesoregions/MG  
Alertas emitidos - Mesorregiões/MG



Distribution of alerts by mesoregions in each hydrological year

hydrological year  
Ano Hidrológico 2019/2020

hydrological year  
Ano Hidrológico 2020/2021

hydrological year  
Ano Hidrológico 2021/2022

hydrological year  
Ano Hidrológico 2022/2023

