



## Direct integrated use of Snow Cover data maps in Aratos Disaster Control management system.

ADC now includes a new service: Daily updates of Snow Cover maps as received from satellite data.

Snow cover is of great importance to scientists in order to monitor Earth's climate. Snow covered areas reflect 80-90% light resulting in Earth's surface cooling and more outgoing radiant energy.

Snow Cover combined with Land Surface Temperatures below 0 degrees Celsius result in creating sheet of snows on the ground. These sheets of snow result into snowmelt, which is very important for areas that use it as drinkable water. It is also very important for farmers who use it as a means of irrigating their crop fields.

Snow Cover can be of great importance for local authorities and for civil protection services because snowmelt, during spring, moisturizes the soil and reduces the risk of wildfires starting and spreading. As a result, fire protection services can focus more on areas without snowmelt. Snow Cover must be monitored because too much snowmelt can also lead to springtime floods.

Finally, Snow Cover maps may also be of interest to any snow season enthusiast who is into winter sports and travelling.

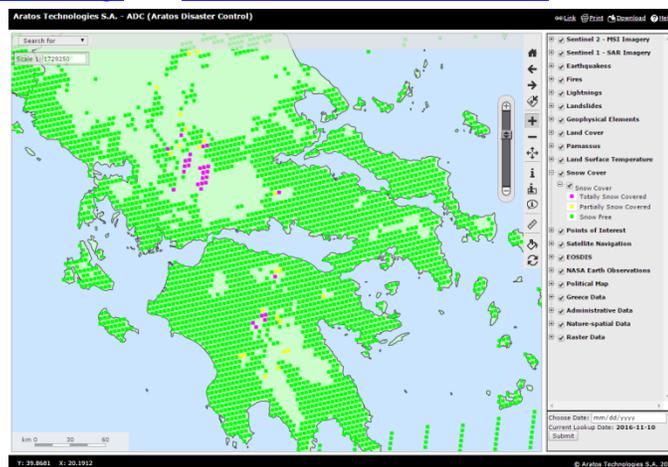
Aratos Technologies has created the integrated system of natural disaster management Aratos Disaster Control (ADC). The system is designed for crisis management situations and is used as an ideal tool for depicting and monitoring hazards as well as assessing the damage after the crisis.

The system can detect the progress, almost in real time, as well as the history of past natural disasters (fires, earthquakes, landslides, etc.) for the user's area of interest and present the data in an interactive geographical map (GIS), 24x7.

ADC consists of an amalgam of various technologies such as satellite images and data as well as GNSS signals (Global Navigation Satellite System), which are combined in an integrated architecture, and delivers processed, meaningful information to the user and alerts via sms and emails.

**We continue to innovate in space technologies since 2005.**

For more info visit [www.aratos.gr](http://www.aratos.gr) and [www.aratosdisastercontrol.com](http://www.aratosdisastercontrol.com).



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