hydrometeorological
innovative solutions

WiCast

Weather information for outdoor activities

WiCast provides improved and highly regionalized information on relevant actual and future weather conditions to people involved in outdoor activities. These might be companies being concerned with safety issues of workers and facilities, professionals depending on special weather conditions for their work, sport clubs providing meteorological information as a special service to their members or individuals planning their spare-time activities outside.

WiCast features

WiCast combines scientific progress in meteorology with state of the art information technology. Observations from different remote sensors are combined with forecasts from radar data and numerical weather prediction models to generate the optimum information on current and future weather conditions at your region of interest. Information is then distributed to the end-users via leading edge technology and visualization systems.

Live radar observations and short term rain forecasts

Live radar observations and short term forecast animations give you a general overview of the current and future meteorological situation over your region. Quantitative information on precipitation is provided in terms of precipitation intensity and accumulated precipitation over customizable time spans. Automatic warnings are issued when predefined thresholds are reached in your protective area.

Live lightning observations and lightning alerts

Live lightning observations give you an overview of thunderstorm activity in your region and help you guarantee the safety of your employees and facilities. Special lightning alerts derived from radar and lightning observations are generated to help you manage your activities when a storm is expected to reach your designated zones of protection.

Alert system

Automatically warnings are generated by the alert system when hazardous weather is expected for your region. All warnings are customizable and can be adapted to the specific needs of the end-user. Warnings are displayed on the visualization system and can be disseminated via text messages on mobile phones.

Meteorological parameters

WiCast provides information on meteorological parameters like temperature, humidity, wind, chill factors, and UV radiation. The present conditions are derived from actual observations in your region while future conditions are predicted by highly regionalized numerical weather prediction models. The forecasts are available up to three days in advance and also include information about precipitation probability.

Visualization

WiCast information is displayed on a state-of-the-art visualization system which can be accessed via the world wide web using any internet browser. All information is combined in one easily navigable and customizable display in order to foster fast and easy decision making. Configurable warnings are issued via text messages and symbols on the display. Furthermore, warnings can be disseminated via text messages to mobile phones.

WiCast
FEATURES

hydrometeorological innovative solutions

Weather has become the main external factor impacting society in our days. This is not only true for the professional sector but also for private life. Adversary weather conditions cause major delays in any kind of transport, influence on many professional areas like the constructive sector or agriculture, and have major implications on a number of outdoor activities. Although weather can not be changed, its impact on daily life can be decreased if high quality meteorological information is available to plan and react within time.

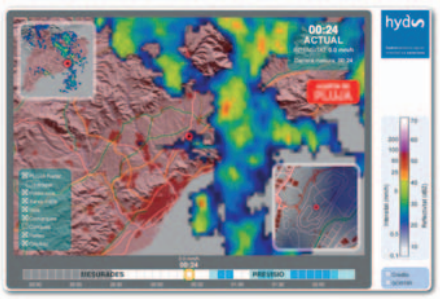
Consult live radar and satellite observations to obtain optimized information about the current weather in your region of interest.

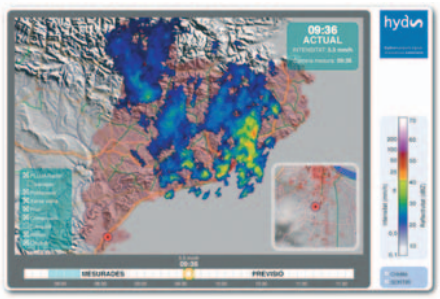
Manage your resources depending on the short term precipitation forecast.

Chose the right protection based on current information on wind, temperatures, chill factors, and UV radiation.

Ensure the safety of your workers based on automatic lightning and thunderstorm warnings.

Plan for the longer time ranges based on the weather outlooks for your region during the next days.





hyds

Edifici NEXUS | Gran Capità 2-4, 107
E-08034 Barcelona | SPAIN
Voice: +34 93 401 70 11 | Fax: +34 93 405 41 94
www.hyds.es