



Schneeprophet

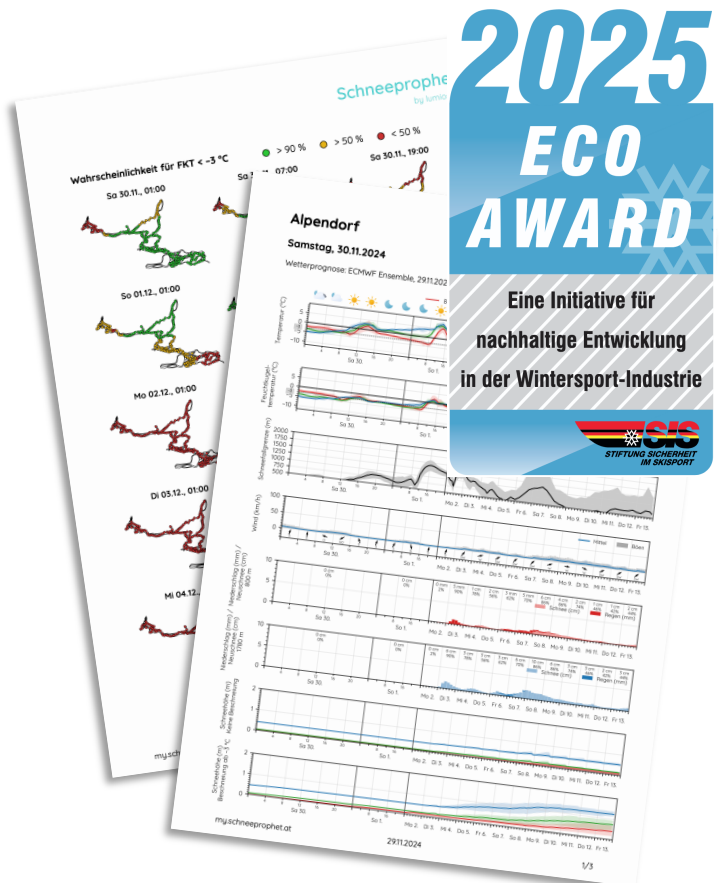
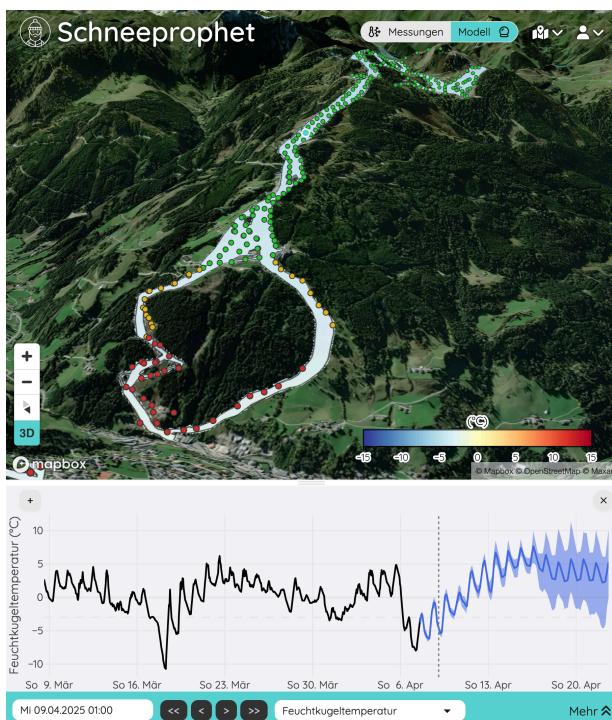
The software service for forward-thinking mountain resorts

Should snow be made on the slopes in the next few days or not?

Schneeprophet® provides **customized forecasts of weather and snow depths** for technical and natural snow on and off the slopes.

Our system incorporates all your **local measurements** and, with **AI support**, achieves a particularly high level of accuracy in its forecasts. We work with maximum **customer orientation** and also support you with personal advice on all aspects of weather, snow, and climate change, always in line with the latest **research**.

With Schneeprophet®, you no longer have to rely solely on the weather forecast and your gut feeling. Our software simulates the local weather on your mountain, the technical snow conditions, and the resulting slope conditions in the future. The forecast accuracy of the wet bulb temperature for the next few days averages a **deviation of less than 1 degree**. Our snowmaking traffic light delivers **hit rates of over 95 percent**. This maximizes your chances of always making exactly the right snowmaking decision and, if used consistently, achieves **energy savings** of up to 30 percent for individual snowmaking windows and up to 15 percent over the entire season.



Schneeprophet® provides

- * **Best possible weather forecast** through data-supported, **AI-based** adjustment of weather variables to local conditions (especially wet bulb temperature)
- * Physical **simulation of snow cover development** on and off the slopes
- * Consideration of **natural snow, technical snow, and slope preparation**
- * Processing and comparison of different **snowmaking variants**
- * **Precise forecasts** of weather, snow, and slope conditions for **15 days in advance**
- * **Range** of possible snow depth development **until the end of the season**

Real-time data integration, independent of the manufacturer

- * Latest high-resolution **weather models** (including ECMWF and ICON)
- * Meteorological data from **weather stations** (incl. advice on installation/set-up)
- * Weather and operating data from **snow guns**
- * High-resolution **snow depth measurements** from snow groomers

Features and possible applications

- * Display of **all measurement data** in the area (in real time and historical)
- * The **snowmaking traffic light**: a clear **display of snowmaking conditions** over the next few days to identify the best snowmaking windows at a glance
- * Clear visualization of **forecast uncertainties and probabilities**
- * Calculation of the expected **demand for water and energy** depending on the snowmaking strategy, and calculation of the achievable **savings**
- * Precise **prediction of snow disappearance** in the area at the end of the season

User and data interfaces

- * **Web app**: Web-based application optimized for desktop and mobile devices; no local software installation required; available languages: German, English, Italian
- * **Schnee-PDF**: Twice daily customized forecast report as PDF via email or WhatsApp to any number of recipients, adapted to the local workflow
- * **Severe weather warning**: Timely and reliable warning of approaching severe weather via SMS, WhatsApp, or email
- * **Visualization**: Display of all data integrated in the system as 3D/2D maps or time series; simultaneous display of several variables (e.g., wet bulb temperature, fresh snow, and wind speed)
- * **Third-party interface**: Integration of Schneeprophet® into any third-party system via the provided API

