Description of premium packages

What additional content options does each type of premium package bring Examples

BRONZE

- Comparison of 2 localities, for any of the products available in the free version.
- Monthly forecasted average values of pollen concentration in the last three years for grass, birch and ragweed.

BRONZE

Comparison of 2 localities, for any of the products available in the free version

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BRONZE

Monthly forecasted average values of pollen concentration in the last three years for birch, grass and ragweed



JAN FEB MAR APR MAY JUNE JULY AUG SEP OCT NOV DEC





JAN = FEB = MAR = APR = MAY = JUNE = JULY = AUG = SEP = OCT = NOV = DEC

SILVER

BRONZE options +

- Add 3 favorite locations.
- 10 days climatic means.
- Complete time series of some parameters (e.g. Tmin)

SILVER options +

- 20 Bronze packages for 6 months
- Promotion of two tourist destinations, with original photos and descriptions presented in WECTOU in connection with the host locations (e.g. a hotel in one locality, an outdoor tourist attraction in the vicinity of another locality etc.)
- Digital promotional material / ready to print based on climate data for each of the two new tourist destinations
- Statistical measures for snow layer thickness
- Estimation of the expected changes in the period 2021-2040 of some characteristics of the winter season, in the context of climate change

Statistical measures for snow layer thickness

Example for Sucevița

The data of the snow layer were processed as follows (abbreviations are those used in the graphical representation):

• percentiles of 25%, 50%, 75%, 90% were calculated from the distribution of values in a month (the whole period 2000-2018) :

MEAN = the mean monthly value for the whole period

P25 = 25% of the daily values for the month have snow layer less than or equal to P25

P50 = 50% of the daily values for the month have snow layer less than or equal to P50
P75 = only 25% of the daily values for the month have a snow layer higher than P75
(75% of the daily values of the month have snow layer less than or equal to P75)
P90 = only 10% of the daily values for the month have a snow layer higher than P90

 mean no. of days with snow layer exceeding or falling within certain threshold values:

NDO = number of days with optimal snow layer for skiing (SDT>=30cm)

NDP = number of days with snow layer greater than or equal to P50% and less than or equal to P75%

ND5 = no days with snow layer at least 5cm

ND10 = no days with snow layer at least 10cm.

Statistical measures for snow layer thickness Example for Sucevița

Percentiles of 25%, 50%, 75%, 90%

P25



2

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MEAN

P90

P75

P50











Statistical measures for snow layer thickness Example for Sucevița

Mean number of days with a natural snow layer of depth greater than a threshold values



Estimation of the expected changes in the period 2021-2040 of some characteristics of the winter season, in the context of climate change

The estimation of the expected changes for a certain parameter (e.g. temperature) in a future period is based on the climate projection. These are numerical simulations using global and regional climate models, based on assumptions about how the climate could evolve in the future (climate scenarios). They do not represent the 'future' but possible forms of it, materialized in certain values of the parameters that define the weather and climate (e.g. temperature, precipitation, wind speed etc.).

Climate projections must be understood and used given the limitations of both climate change scenarios (because we do not know exactly how the weather, climate, society etc. will change) and the limitations of numerical models in climate system simulation (which are realistic but not perfect). Also, the natural variability of the climate system resulting from unpredictable or nonlinear natural processes is another major source of uncertainty, which adds to the climate scenario and the uncertainty of the model. These sources of uncertainty are usually addressed using several climate change scenarios and a large number of models, both globally and regionally.

The data are based on the averages of sets of models containing at least 5 combinations of regional and large-scale climate models, available for two climate scenarios, in the products presented in the premium packages.

Thus, products developed based on climate projections have limited certainty, expressed for example by a range of values (e.g. due to differences between the two climate scenarios used) and they should not be interpreted as 'safe' forecasts / values of the parameters presented (e.g. the thickness of the snow layer during the winter holidays in the period 2021-2040).

Estimation of the expected changes in the period 2021-2040 of some characteristics of the winter season, in the context of climate change

Products

- estimated annual mean number of days with a natural snow layer of depth greater than 5cm and, respectively, greater than 30cm
- estimated mean number of days a natural snow layer of depth greater than 30cm during winter holidays (22 Dec- 04 Jan)
- estimated mean snowfall amount during winter (November -April).
- projected range of monthly mean temperature
- estimated mean temperature during winter (November April).

Estimation of the expected changes in the period 2021-2040 of some characteristics of the winter season, in the context of climate change



Estimated annual mean number of days with a natural snow layer of depth greater than 30cm for Alba county

Estimation of the expected changes in the period 2021-2040 of some characteristics of the winter season, in the context of climate change



Estimated mean number of days a natural snow layer of depth greater than 30cm during winter holidays (22 Dec- 04 Jan) for Brasov county

PLATINIUM

GOLD package +

- Adding 2 new tourist destinations, with promotion through original images / text and promotional digital materials
- Estimation of the expected changes in the period 2021-2040 of some characteristics of the maximum temperature during the summer
- Estimation of the expected changes in the period 2021-2040 of the number of days with favorable weather for outdoor activities

PLATINIUM

Estimation of the expected changes in the period 2021-2040 of the number

of days with favorable weather for outdoor activities





PLATINIUM

Estimation of the expected changes in the period 2021-2040 of the number

of days with favorable weather for outdoor activities



