



## **DATA ORIGIN**

For each year all available data of the phenological annual reporters will be included for interpolation. Germany is divided in 20 regions of overlapping circles of the same size. All observations within each region were processed by a multiple linear regression. Regression coefficients are height, longitude and latitude. The calculated regression coefficients of the four surrounding circles for a given location were weighted with the distance to circle centres. This form of interpolation does not match the observation days at each location, but yields a most plausible smoothed fit.

## **VALIDATION AND UNCERTAINTY ESTIMATE**

The resulting grids depended strongly on the used interpolation. Plausibility tests of the interpolation method have shown good results and reproduce typical idealised distribution without reproducing potential local characteristics.

## **REFERENCES**

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## **REVISION HISTORY**

This document is maintained by DWD unit KU21, last edited on 19.12.2018.