

EXTPAR - requirements for COSMO-ART

Pollen forecast:

Density of individual plant species (e.g. Birch) at each grid point (3 D)

Threshold value for the start of the blooming (2 D)

Threshold value for the end of the blooming (2 D)

It should be possible to transfer these data to individual COSMO grids

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Chemistry runs:

For the calculation of the biogenic VOC emissions:

Density of relevant plant species (e.g. oak trees) at each grid point (3 D)

Anthropogenic emissions:

Area sources for the individual compounds (3 D)

with a temporal resolution of 1 h

It should be possible to transfer these data to individual COSMO grids

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Chemistry runs (continued):

Single sources (emissions, coordinates, source heights, exhaust gas temperature...)