# Description of VERA topography file format

VERA Data are saved in ASCII format on a Cartesian grid. Starting from the point of origin which is given for the VERA grid at

| | |
|---|---|
| latitude | 48.8 |
| longitude | 7.0 |

the file *VERA_topography.dat* contains the following information.

```
x [km]    ;y [km]    ;lam [°]   ;phi [°]  ;h min [m];h real [m];
-832      ;-768      ;-2.9530   ;+41.4407 ;888       ;1039       ;
```

1.  x – coordinate (km, distance from origin)
2.  y – coordinate  (km, distance from origin)
3.  lam – corresponding longitude
4.  phi – corresponding latitude
5.  h min – height of VERA minimum topography (for a full description see: Bica, et al., 2007)
6.  h real – height of real topography (resolution of original topography file: 30 sec.)

Resolution: 4x4 km (for plotting purposes), to receive original VERA 8km topography grid just read in every second line.

References:
Bica B., Steinacker R., Lotteraner C., and M. Suklitsch, 2007: A new concept for high resolution temperature analysis over complex terrain. *Theor. Appl. Climatol.,* **90**, 173-183, DOI 10.1007/s00704-006-0280-2.