











- <u>Warming phase</u>: increase T until isothermal conditions: T = 0 C
- <u>Ripening phase</u>: filling the field capacity / retention capacity
- <u>Output phase</u>: outflow from the snowpack occurs































Water movement: summary

- Snowpack similar to a porous aquifer after removal of cold content
- 3 stages of snowpack hydrological evolution: warming, ripening, outflow
- Snowpack permeability depends on density, grain size, temperature...→highly heterogeneous
- With maturing of the snowpack, the permeability becomes larger and more homogeneous