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## **Bowen Ratio**

The Bowen Ratio is defined as the ratio between the sensible heat \$Q\_h\$ and the latent heat \$Q\_e\$:

$$R = Q h/Q e=0.00061*p* \{T s-T a\} \{e s-e a\}$$
\$\$

where \$T\_s\$ is the temperature of the water surface and \$T\_a\$ is the temperature of the atmosphere in degrees Celsius. while \$e\_s\$ are the vapour pressure of the water surface and \$e\_a\$ of the atmosphere, \$p\$ is the atmospheric pressure in mb (millibar). The Bowen ratio is used among other applications for the energy budet of open lake evaporation.

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