

**Modeling soil physical
process: examples,
results and
applications**

College on Soil Physics 2013 – 30th Anniversary
Energy and mass balances at the Land-Water-Atmosphere continuum

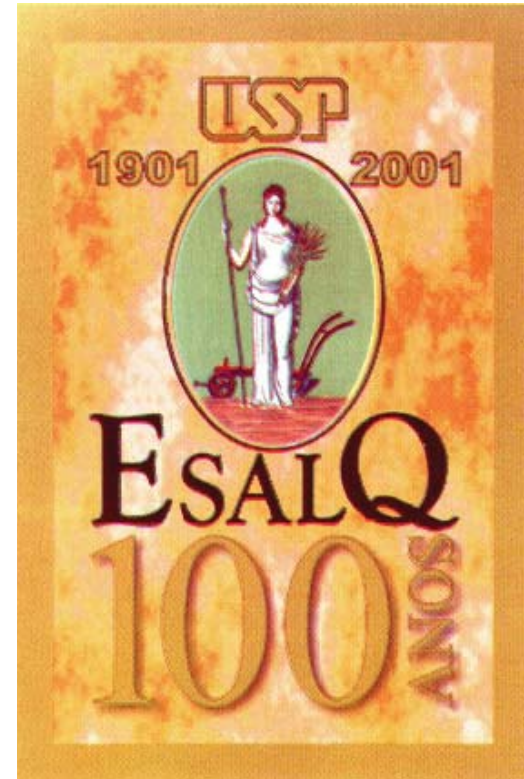
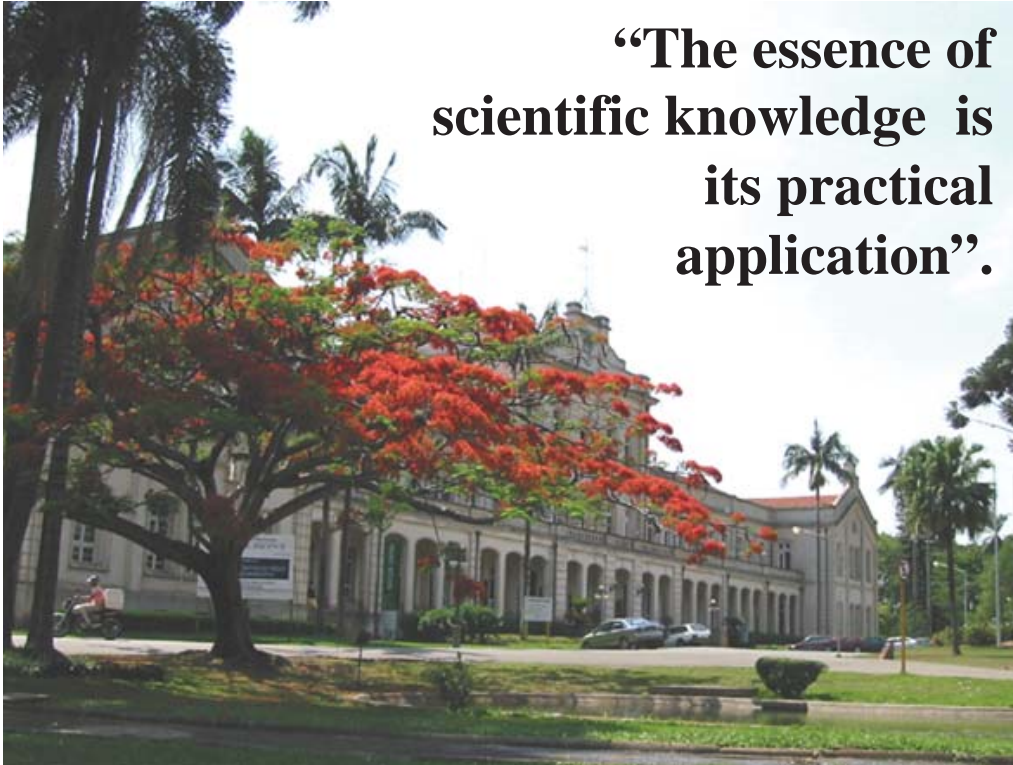
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- **Soil water balance by Thornthwaite and Mather procedure**
- **Deriving an expression for the Matric Flux Potential based on the van Genuchten hydraulic function parameters**
- **A new general model for predicting the hydraulic conductivity of unsaturated soils**

“The essence of scientific knowledge is its practical application”.



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