

Land Surface Models

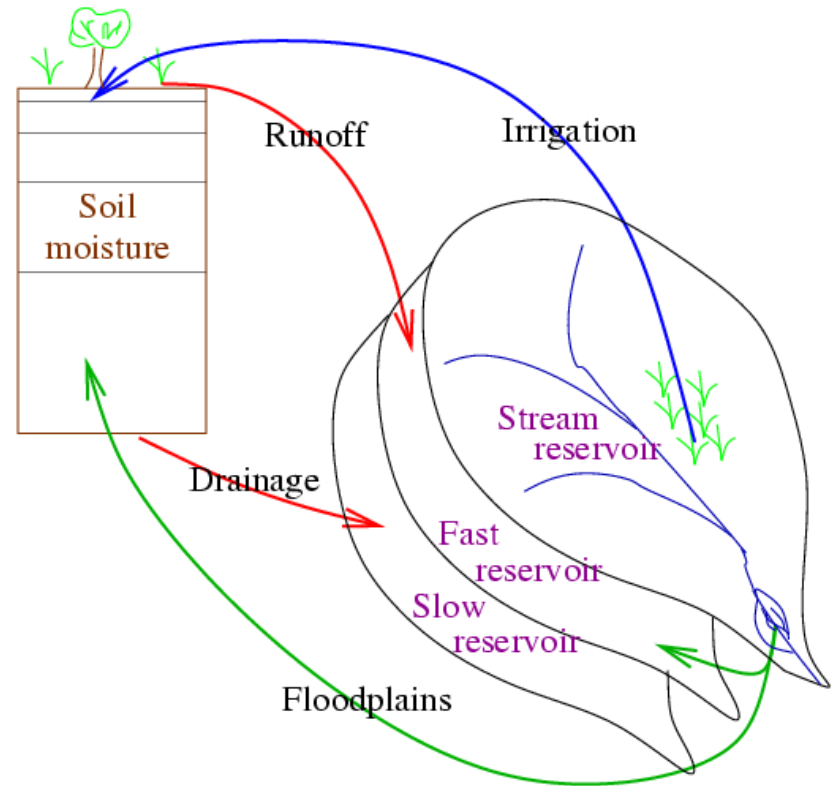
- Scheme Complexity
- Validation
- Processes

LSM

– Hydrologie:

- *Many layers and root profiles*
- *Underground water*
- *Water table*
- *Dams*

-- Vegetation



Off-line Validation

- Soil Moisture: NLDAS Data to prescribe parameters
- River flows: to validate runoff (or regional evaporation). Example: la Durance

Processes

- Role of Irrigation (/ climate change?): preliminary results with our GCM show that irrigation over India and China induces changes in monsoon circulation.
- Role of flood plains: Amazonia Parana Niger
- Role of dams