

ATMOSPHERE

interface

radiative properties:

- albedo
- emissivity
- surface radiative temperature

surface fluxes:

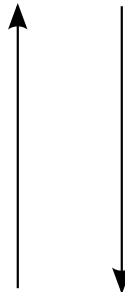
- momentum
- sensible heat
- latent heat
- CO₂
- chemical species
- aerosols

atmospheric forcing:

- air temperature
- specific humidity
- wind components
- pressure
- rain rate
- snow rate
- CO₂, chemical species, aerosols concentration

radiative forcing:

- solar radiation
- infrared radiation



surface

$$\mathcal{F} = f_n \mathcal{F}_n + f_l \mathcal{F}_l + f_t \mathcal{F}_t + f_s \mathcal{F}_s$$

\mathcal{F}_n

\mathcal{F}_l

\mathcal{F}_t

\mathcal{F}_s



nature

lake

town

sea

f_n

f_l

f_t

f_s

SURFEX