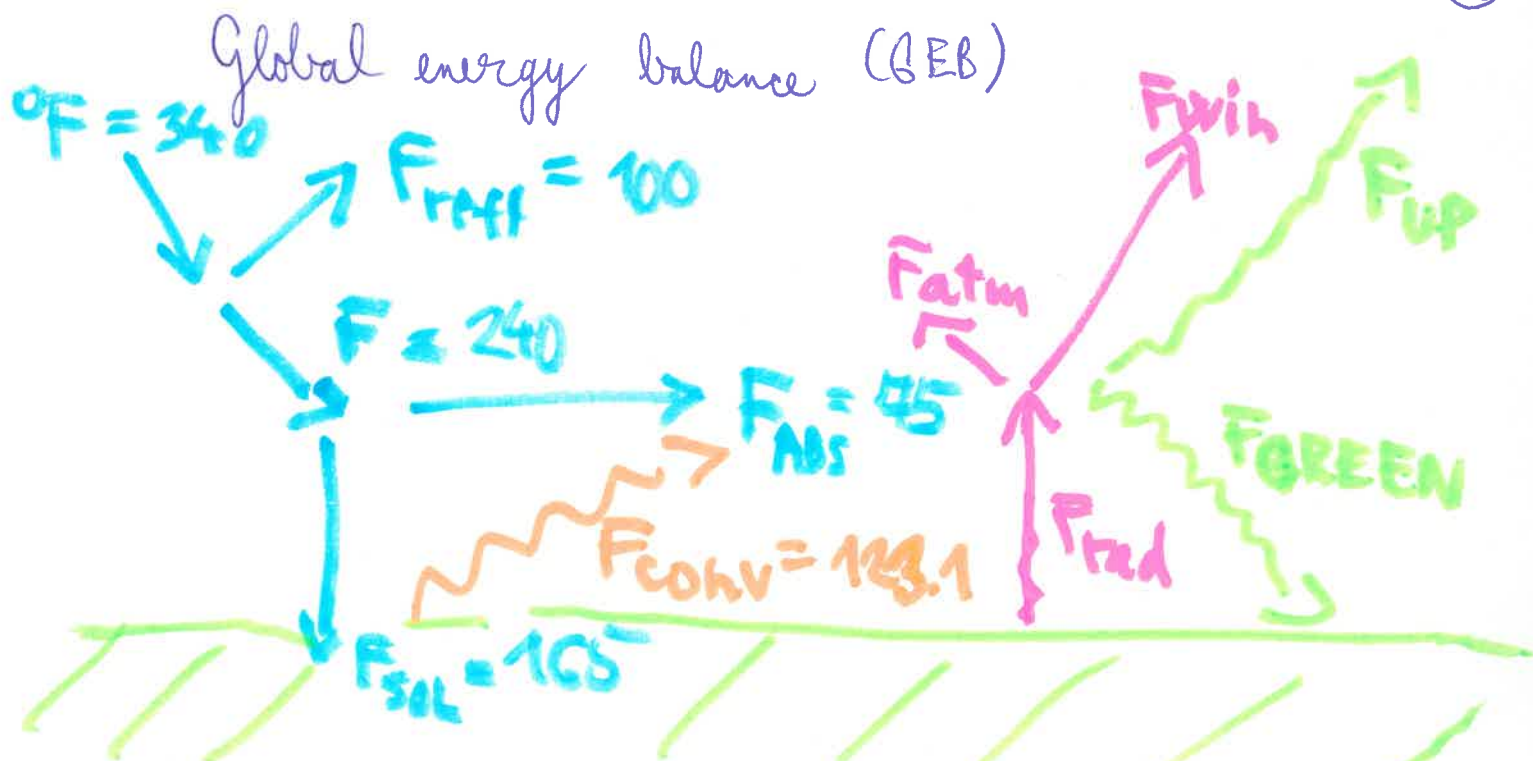


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Values proposed for preindustrial Earth (Barson Paul Levenson)

All energy fluxes in W/m^2 .

Starting steady state:

$F = 240$ (absorbed part of incoming solar radiation)

$F_{sol} = 165$ (incoming shortwave radiation absorbed by Earth surface)

$F_{abs} = 45$ (" " " " in Earth atmosphere)

$F_{conv} = 112$ non-radiative heat transport

$F_{rad} = 346$ longwave infrared radiation from Earth surface

$F_{win} = 40$ fraction of longwave radiation escaping directly in the space

$F_{atm} = 336$ fraction of longwave surface radiation re-distributed by the atmosphere

$F_{green} = 323$ downwelling infrared radiation from the atmosphere absorbed by Earth surface

$F_{up} = 200$ upwelling infrared radiation emitted from the atmosphere into space