

## **Evaporationshed of source region i**

Fraction of precipitation in sink region j originating from source region i: W<sub>i,j</sub> Socio-economic statistics of sink region j: S<sub>i</sub>

Green water value of source region i :  $GV_i = W_{i,1} \times S_1 + W_{i,2} \times S_2 + \dots + W_{i,n} \times S_n$ 

1 precipitate

**2**recharge

③sustain

Evapotranspiration

Precipitation

Water resources

Socio-economic activities