

Table 1: Soil cover (maximum percentage per gridpoint) over the studied region. They are listed as the order of importance (for each model, the 1st one is the most predominant in the area).

Model	soil covers
MesoNH	Irrigated crops C3 cultures types Bare soil Grassland
MOLOCH	Cropland Grassland Closed shrubland Wooded grassland
Unified Model	C3 cultures types Shrubs inland water
WRF	Closed Shrublands Savannas

