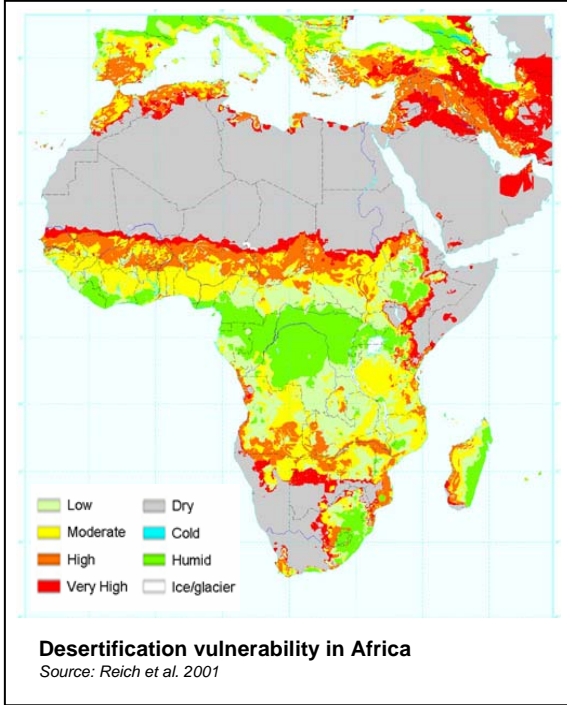




CCD Projekt

# Fact Sheet Desertification

## Africa



### Area vulnerable to desertification processes:

Reich et al. 2001 1364 million ha  $\approx$  46% of total African land area, of which are 16 % ( $\approx$  468 million ha) highly or very highly vulnerable

### Area affected by desertification:

Dregne 1991 1046 million ha  $\approx$  35% of total African land area  $\approx$  73% of all used drylands

### Area of drylands affected by human-induced soil degradation:

UNEP/GLASOD 1997 332 million ha  $\approx$  11% of total African land area  $\approx$  25 % of all susceptible drylands

### People affected by desertification processes:

Reich et al. 2001 485 million  $\approx$  65% of the entire African population

### People living in African drylands:

UNDP/UNSO 1997 325 million  $\approx$  45% of the entire African population

### Status of desertification in agriculturally used drylands:

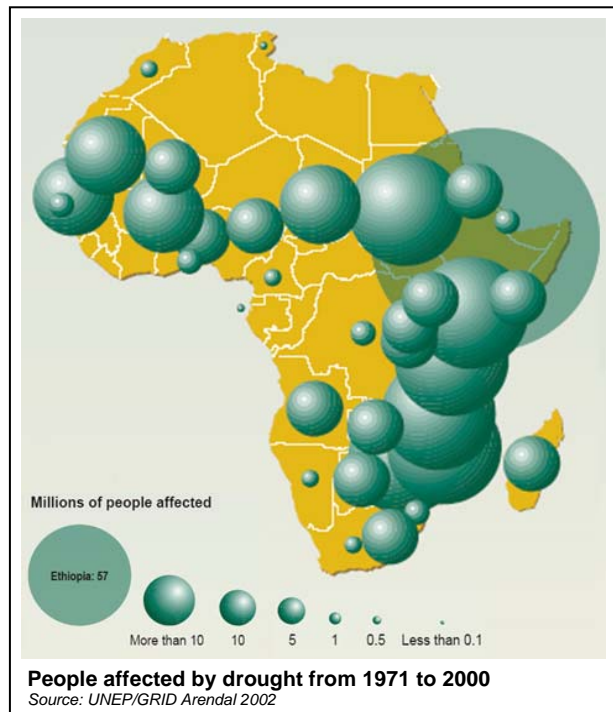
type of land use in drylands	total (million ha)	degraded (million ha)	degraded (%)
irrigated lands	10.4	1.9	18
rainfed croplands	80	49	61
rangeland	1342	995	74

Source: Dregne 1991

### Type of human-induced soil degradation:

type of soil degradation	degraded (million ha)	percentage of degraded drylands
water erosion	119	37
wind erosion	160	50
chemical deterioration	14	5
physical degradation	27	8

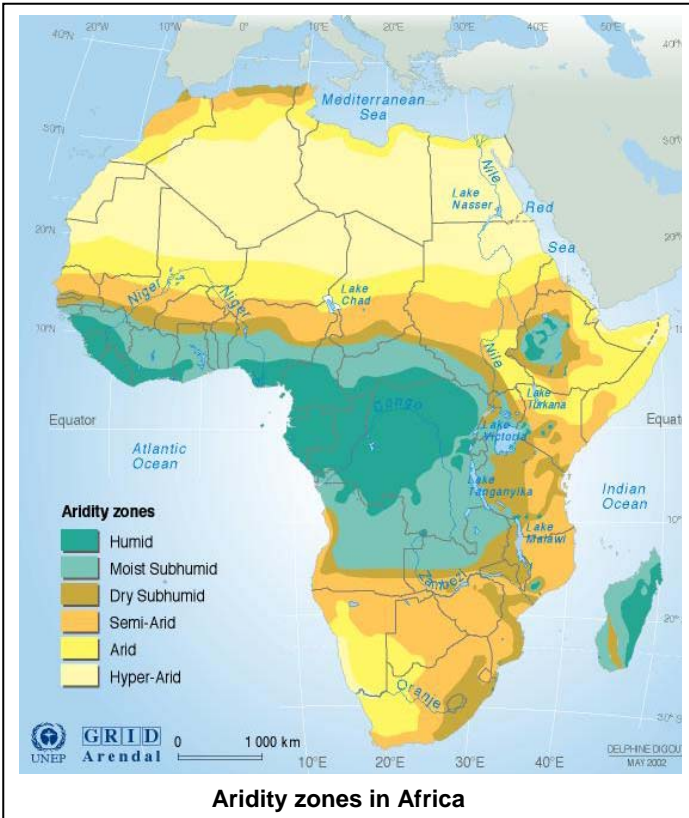
Source: UNEP/GLASOD 1997





# Fact Sheet Desertification

## Africa



### Area classified as drylands:

UNDP/UNSO 1997 total: 1293 million ha (43%)  
 arid: 505 million ha (17%)  
 semi-arid: 507 million ha (17%)  
 dry sub-humid: 281million ha (9%)

### Cumulative loss of productivity as a result of soil degradation: (Oldeman 1998)

Cropland (%)	Pasture land (%)	Crops and pastures (%)
25	6.6	8.1-14.2



### Economic costs of desertification:

Selected region/ country	Gross annual income loss (US\$ million)(% of AGDP*)	Gross discounted future loss in US\$ million (% of AGDP*)
Africa (total)	9296 (direct costs) <i>Dregne 1991</i>	
Ethiopia	332- 355 (10-11) <i>Drechsel &amp; Gyiele 1999</i>	2431(36) <i>Bojö &amp; Cassels 1995</i>
Malawi	67-78 (9.5 – 11) <i>Drechsel &amp; Gyiele 1999</i>	48-136 (18) <i>World Bank 1992</i>
Mali	58- 68 (5.5 – 6.5) <i>Drechsel &amp; Gyiele 1999</i>	19.3-76.6 (4) <i>Bishop &amp; Allen 1989</i>

**Note:** Reliability, validity and accuracy of the presented data are subject to debate. Objective of this data compilation is to provide a brief overview of the most significant facts on the magnitude and dimension of desertification-related problems. For more detailed information see the referenced literature.

\*AGDP = Agricultural Gross Domestic Product