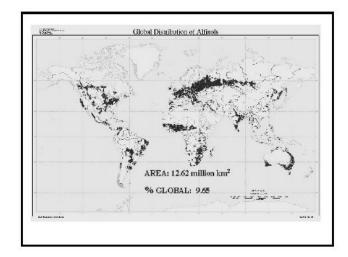
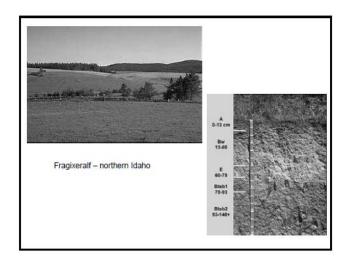
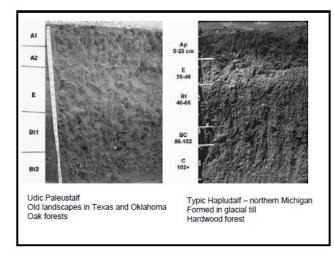
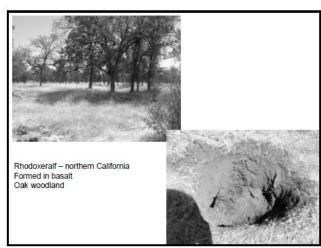
Alfisols:

- Central concept –stable landscape positions and subsurface zone of clay accumulation.
- Morphologically well developed; Structure, horizonation, clay films.
- Five prerequisites;
 - Accumulation of layer lattice clays in subsurface argillic horizon.
 - Relatively high BS%, >35% in lower part of argillic horizon.
 - Contrasting soil horizons.
 - Favorable soil moisture regimes.
 - Relatively little accumulation of OM in mineral soil horizons.
- Global distribution: Area 12.62 million Km² (% 9.65).





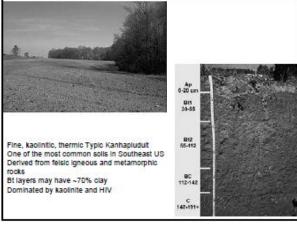


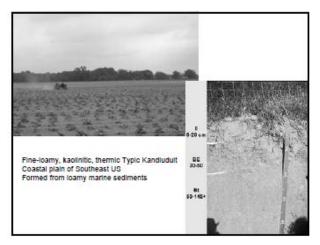


Ultisols:

- Strongly leached, acid, forest soil with relatively low fertility with subsurface accumulation of clay.
- Few base cations in subsurface, BS% <35 in the argillic horizon.
- Global distribution: Area 11.05 million Km² (% 8.45).





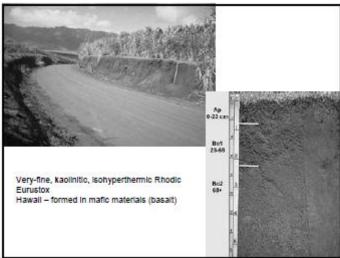




Oxisol:

- "Ox" Oxide dominated.
- < 10% weatherable minerals in the 50-200 μm sand fraction; Feldspare, micas, olivine, pyroxene, amphibole, carbonates.
- Low CEC.
- Low activity clays; Kaolinite, halloysite, sesquioxides (hematite, goethite, gibbsite).
- Global distribution: Area 9.81 million Km² (% 7.5).





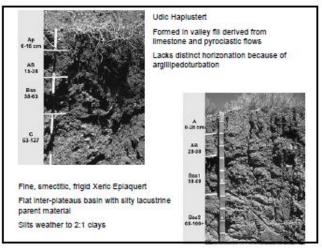
Vertisol:

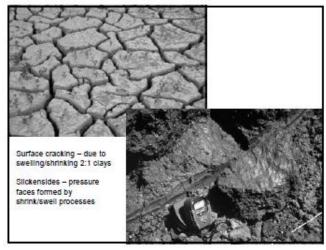
- "vert" inverted
- Dark, clayey soils that shrink and swell upon drying and wetting
- Distributed on every continent except Antarctica







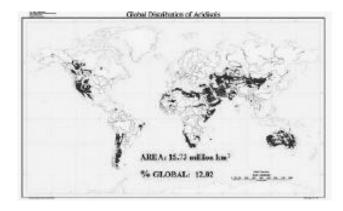


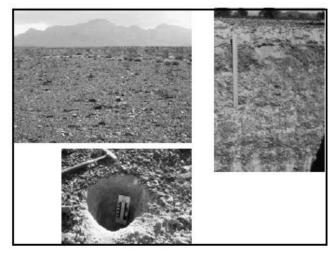


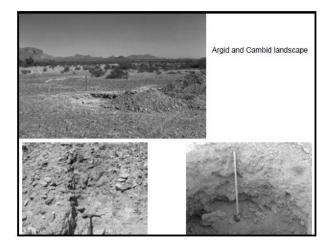
• Global distribution: Area – 3.16 million Km² (% 2.42).

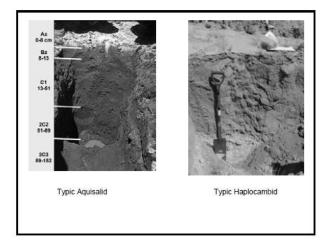
Aridisol:

- Arid systems
- Occur in both cool temperate deserts; Between 35° and 55°N
- Warm deserts at lower latitudes
- Global distribution: Area 15.73 million Km² (% 12. 02)



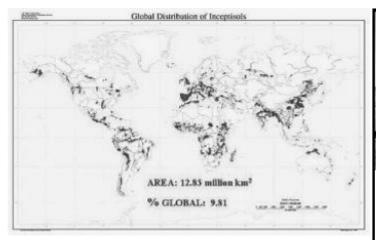






Inceptisol:

- Incipient soil formation
- Some diagnostic features in addition to an ochric epipedon or albic horizon
- Global distribution: Area 12.83 million Km² (% 9.81)







Entisol:

- Little to no soil development
- Root domains are present can support plant growth
- Global distribution: Area 21.14 million Km² (% 16. 16)



