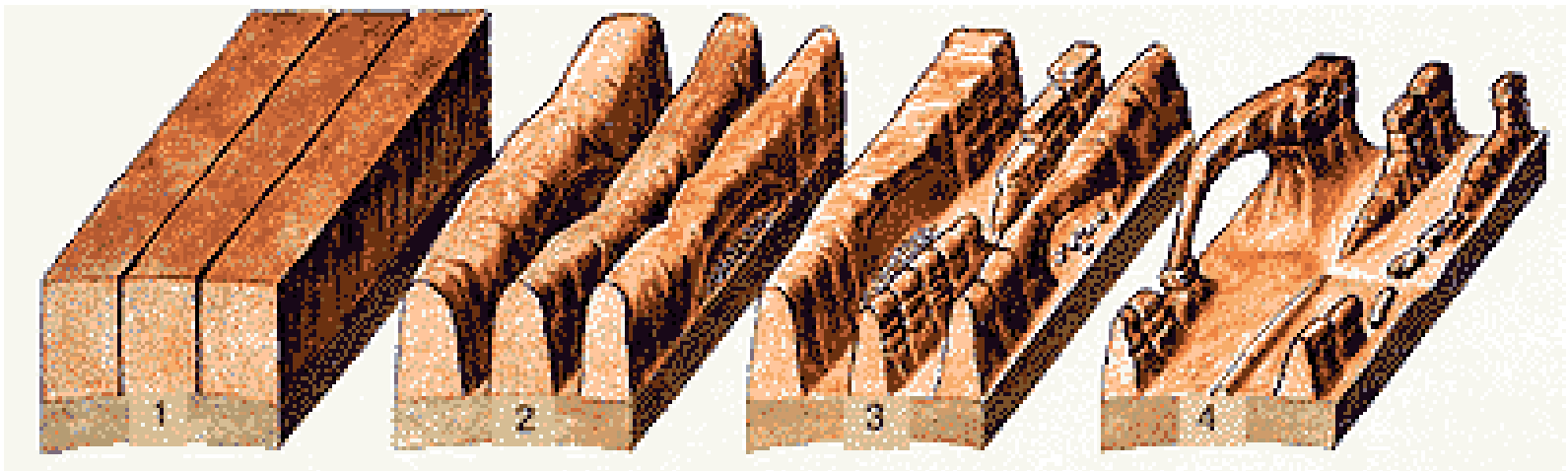




Natural arch

- Typically formed by a combination of wind and water
- Narrow ridges are formed and the softer rock (substrata) is weathered first, forming a bridge/arch overhead





Ventifact

- Created by wind erosion
- Wind carries fine particles that work like a sand blaster (i.e. sand, silt, clay, and ice particles)
- The windward face of the rock is flattened and smoothed
- Usually pebble to cobble sized



Sammlung Hincke

Dreikanter

- A type of ventifact that has three ridges
- Multiple faces have been formed by either a changing prevailing (usual) wind or movement of the actual rock being weathered



Desert pavement

- Formed in arid (extremely dry) environments when wind carries finer, more lightweight particles (tiny, tiny pieces) such as sand away
- Large particles are left behind and protect from further erosion



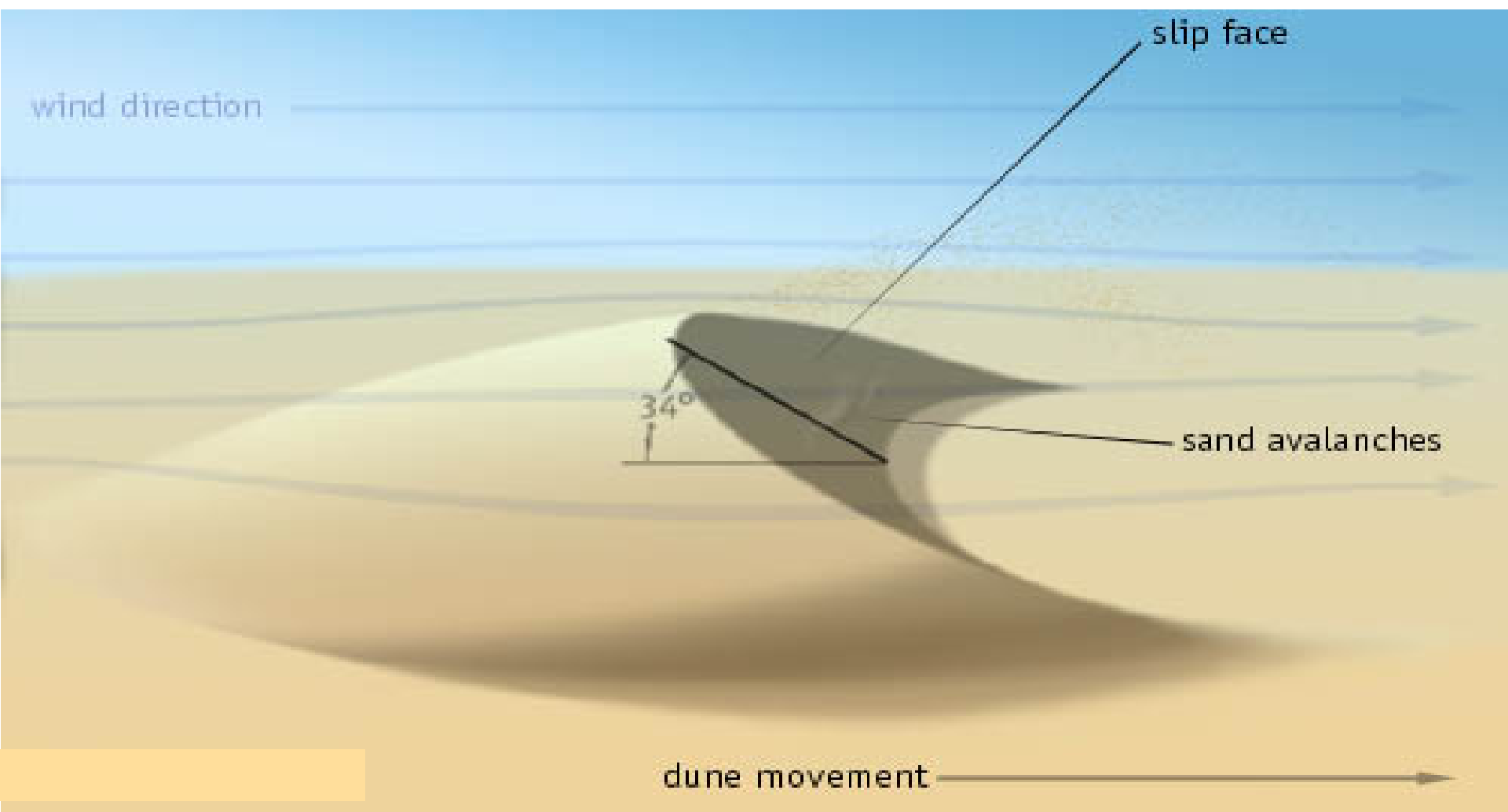
Loess

- Yellowish, fine grained silt and clay sized particles
- Formed by glaciers
- Carried and deposited by wind



Sand Dunes

- Piles of sand
- Deposited by wind
- Leeward side (slipface) has a steeper slope
- Windward side is more gradual



Barchan Dune

- Crescent shaped dunes
- Concave side is the leeward side
- Formed from a unidirectional wind



Transverse dunes

- A dune that elongates (becomes longer) perpendicular to the prevailing wind
- Caused by a combination of wind directions



Parabolic dunes

- Crescent shaped dunes
- Concave side is the windward side
- Found in coastal deserts
- Arms of the crescent lag behind (stay longer) because they are held in place by vegetation



Ergs

- Huge dune fields
- Notice the source of sand from the photos



Ripple marks

- Miniature dunes within a dune (not more than 2 inches tall)
- Formed by wind
- May form from cross winds and appear to be travelling in a different direction than the large dune



Deflation

- Low spots carved out by wind erosion
- High elevations are left due to vegetative stabilization



Pedestal rock

- Base of a rock is weathered and eroded more quickly due to sand blasting
- Sand grains can only be picked up a couple of feet