Course Contents

- 1. Introduction to Karst Geomorphology
- 2. Karst Rocks / Soluble Rocks and Karst Processes
- 3. Karst Hydrology, Karst Drainage System
- 4. Karst Landforms: Karren
- 5. Karst Landforms: Doline (Sinkhole) and Blind valley
- 6. Karst Landforms: Ponor, Sinkhole, Swallow hole, karst spring
- 7. Karst Landforms: Polje
- 8. Speleology, Caves, Speleothem
- 9. Gypsum Karst
- 10. Psödokarst, Termokarst (kryokarst)
- 11. Karst Hazards

 Solution (Dissolution) Doline / Çözünme Dolini

Blind Valley















 Solution (Dissolution) Doline / Çözünme Dolini



 Solution (Dissolution) Doline / Çözünme Dolini



 Solution (Dissolution) Doline / Çözünme Dolini



 Solution (Dissolution) Doline / Çözünme Dolini



 Solution (Dissolution) Doline / Çözünme Dolini



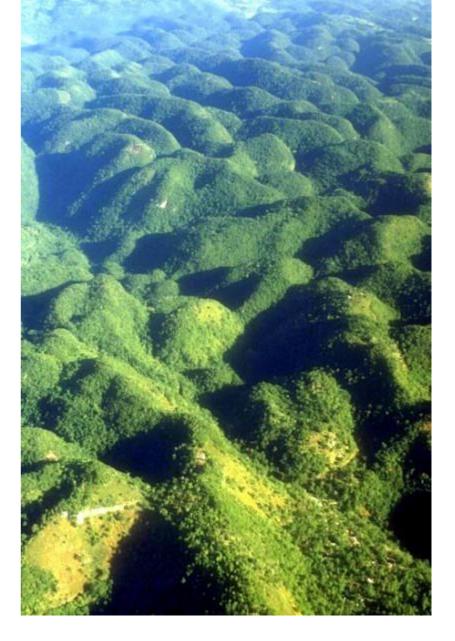
 Solution (Dissolution) Doline / Çözünme Dolini



 Solution (Dissolution) Doline / Çözünme Dolini

Cockpit and Cone Karst (Tropical karst)

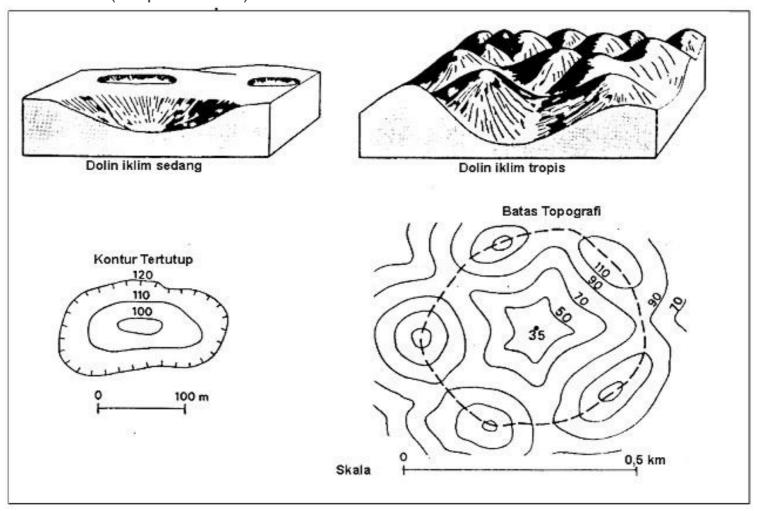
Two varieties of cone karst are identified – cockpit karst and tower karst. Cockpit karst is a type of karst landscape found in warm, humid regions, characterized by large solution dolines known as cockpits, particularly in Jamaica. The cockpits typically have a star-shaped appearance and are divided by irregular, cone-shaped ridges and hills, leading to the alternative name of **cone karst** for this formation. The boundaries of these dolines form a polygonal pattern, which is why this type of karst is also referred to as polygonal karst. A cockpit is often used interchangeably with the term tropical doline. Generally, cockpit dolines are larger than the typical solution dolines found in temperate karst regions and feature secondary fluvial relief, such as small stream ravines that form after heavy rains and drain into ponors at the doline base. Due to some of these characteristics, many cockpit dolines resemble uvalas more than they do solution dolines.



https://www.tumblr.com/the-sweet-life-ja/163993980904/cockpit-country-j-a-m-a-i-c-a

 Solution (Dissolution) Doline / Çözünme Dolini

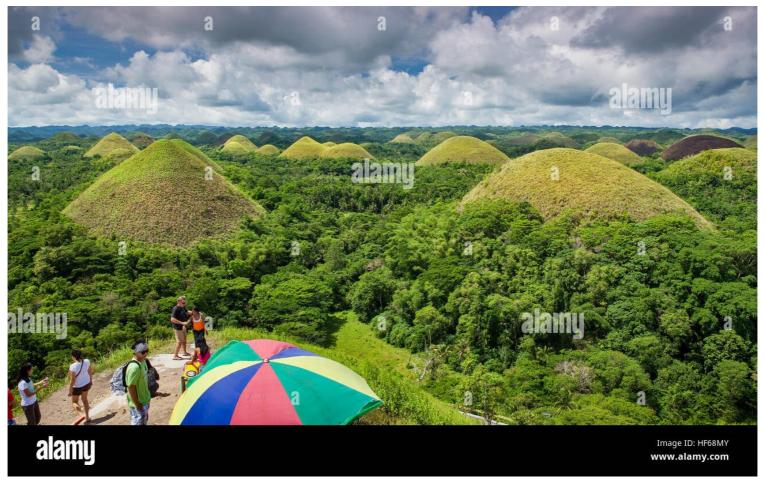
Cockpit and Cone Karst (Tropical karst)



https://bacbanyumas.wordpress.com/2015/08/23/110/

 Solution (Dissolution) Doline / Çözünme Dolini

Cockpit and Cone Karst (Tropical karst)



https://www.alamy.it/fotos-immagini/cockpit-karst.html?sortBy=relevant

 Solution (Dissolution) Doline / Çözünme Dolini

Cockpit and Cone Karst (Tropical karst)

In tower karst (known as Turmkarst in German), the remaining hills take the form of towers or mogotes (also referred to as haystack hills), which rise 100 meters or more, featuring exceedingly steep to overhanging lower slopes.



https://salepeaket.live/product_details/14991192.html

 Solution (Dissolution) Doline / Çözünme Dolini

Cockpit and Cone Karst (Tropical karst)

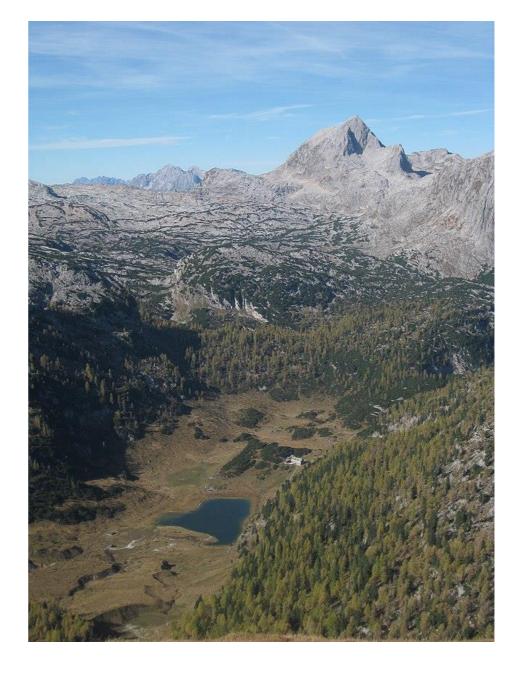
Tower karst Guilin, Çin



https://salepeaket.live/product_details/14991195.html

Uvala

An uvala is a bowl-shaped closed depression found on a karst landscape, typically smaller than a polje yet larger than a doline, featuring an irregular bottom resulting from the merging of dolines. In terms of shape, it falls somewhere between a polje and a doline.



https://www.wikiwand.com/en/Uvala_%28landform%29