

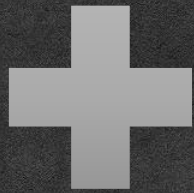
Stratégies passives de refroidissement



Sheherazad Khelfallah

Architecture vernaculaire

Climat



Habitat

Usager

Forme urbaine



Amsterdam



Cairo



Manhattan



Los Angeles



My House - East Atlanta



New Delhi



Savannah



Tokyo

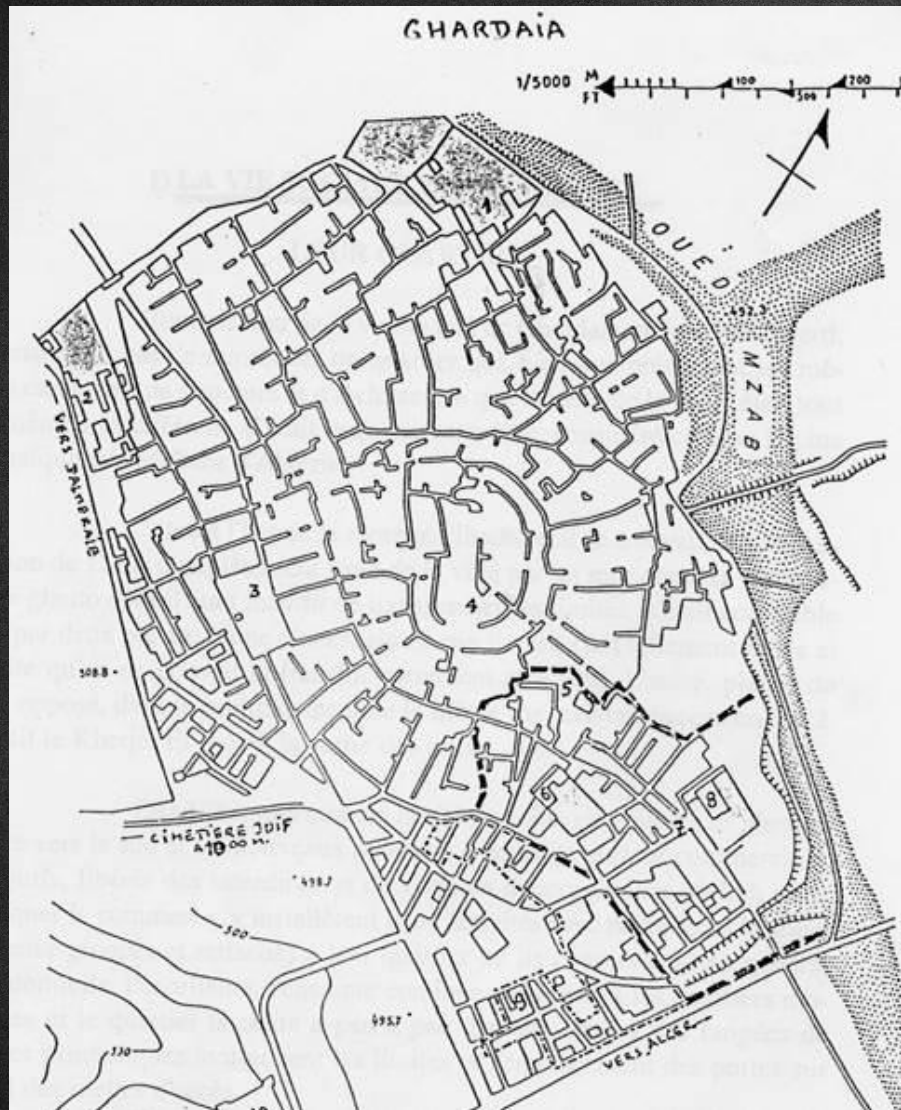


Venice

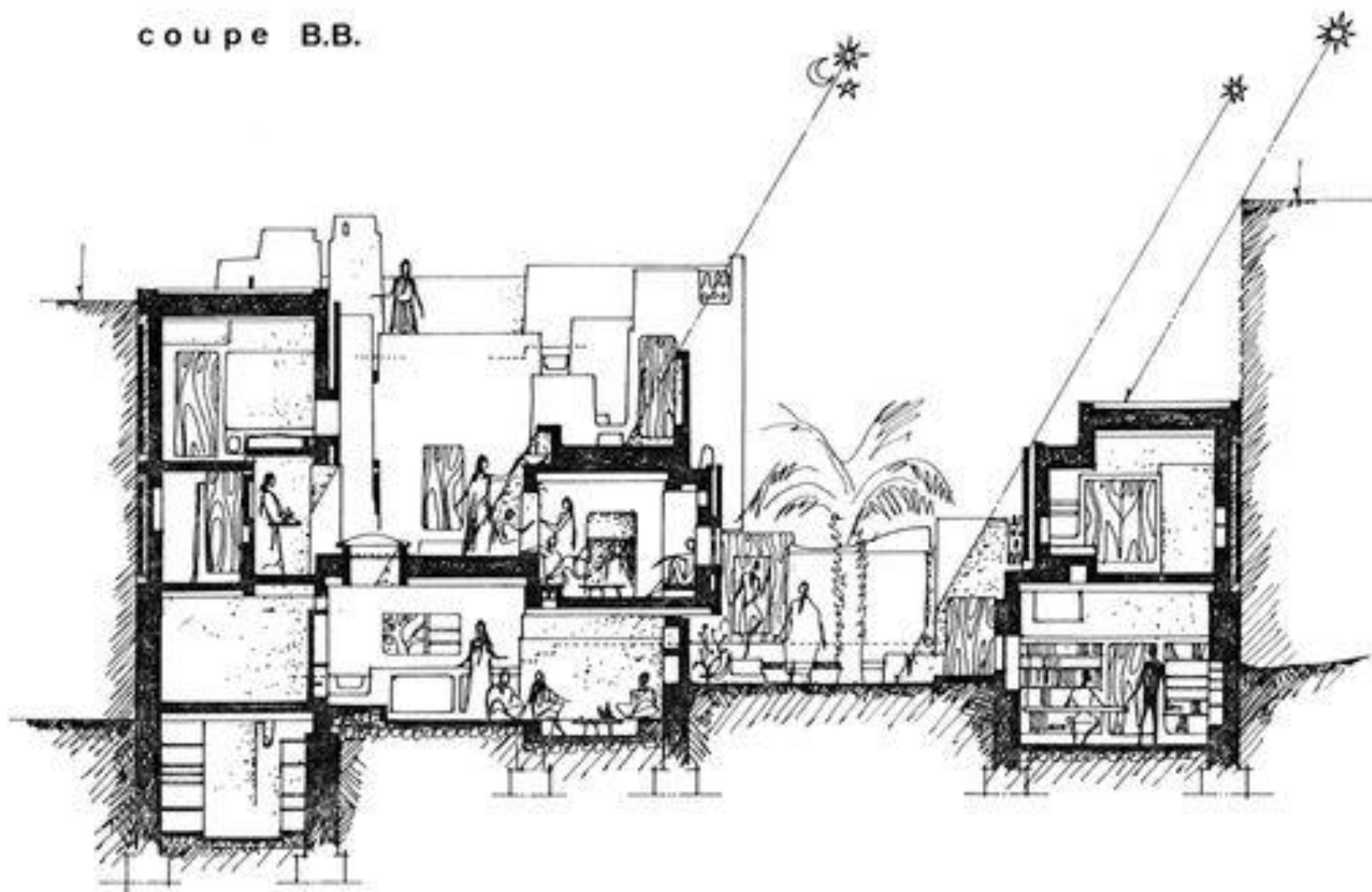
1 mi
5,280 ft
1.6 km

1 mi
5,280 ft
1.6 km

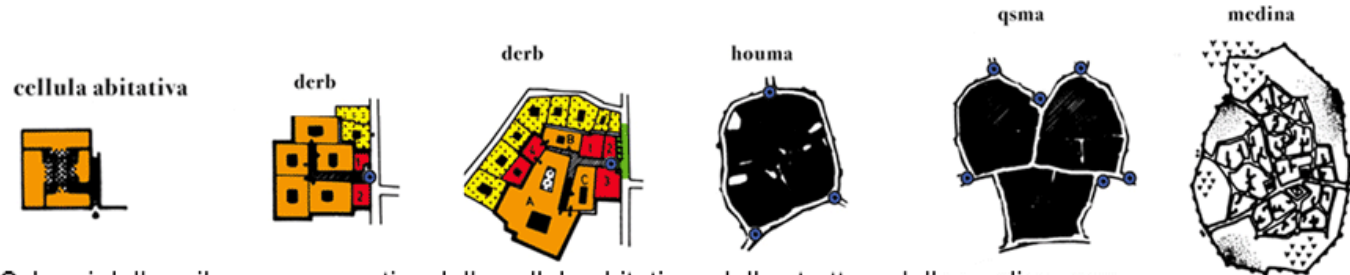
Forme urbaine



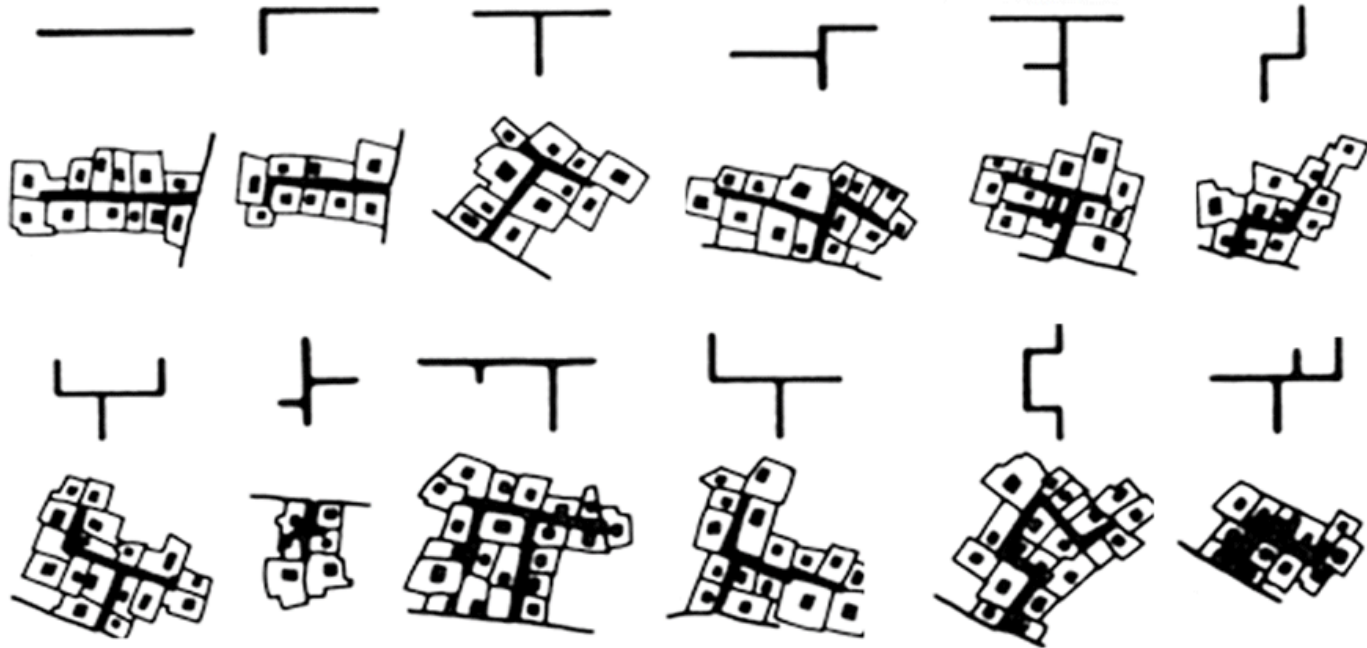
coupe B.B.



Typologie



Schemi dello sviluppo aggregativo delle cellule abitative edella struttura della medina

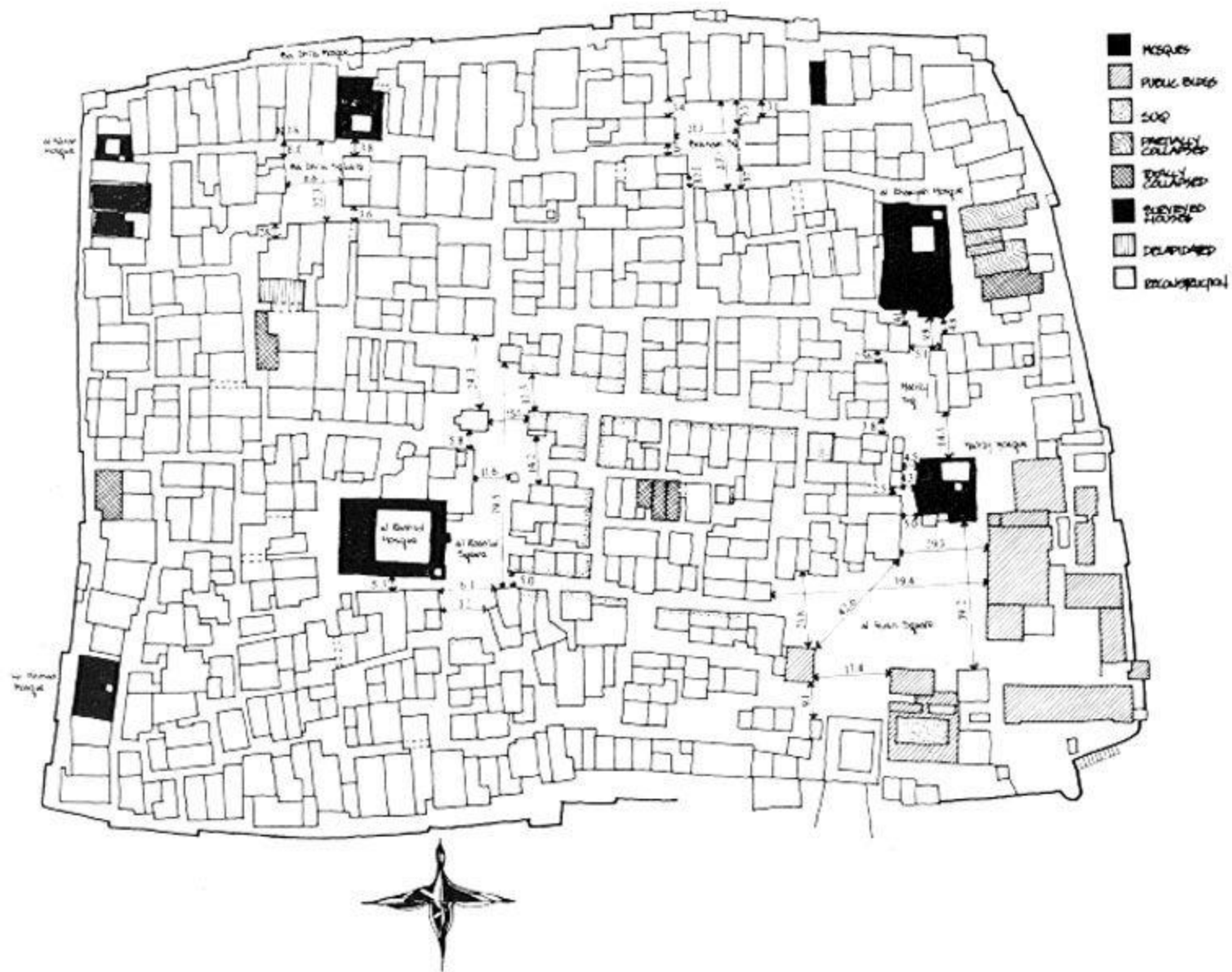


Schema di lettura morfologica dei derb della medina

Intégration au site

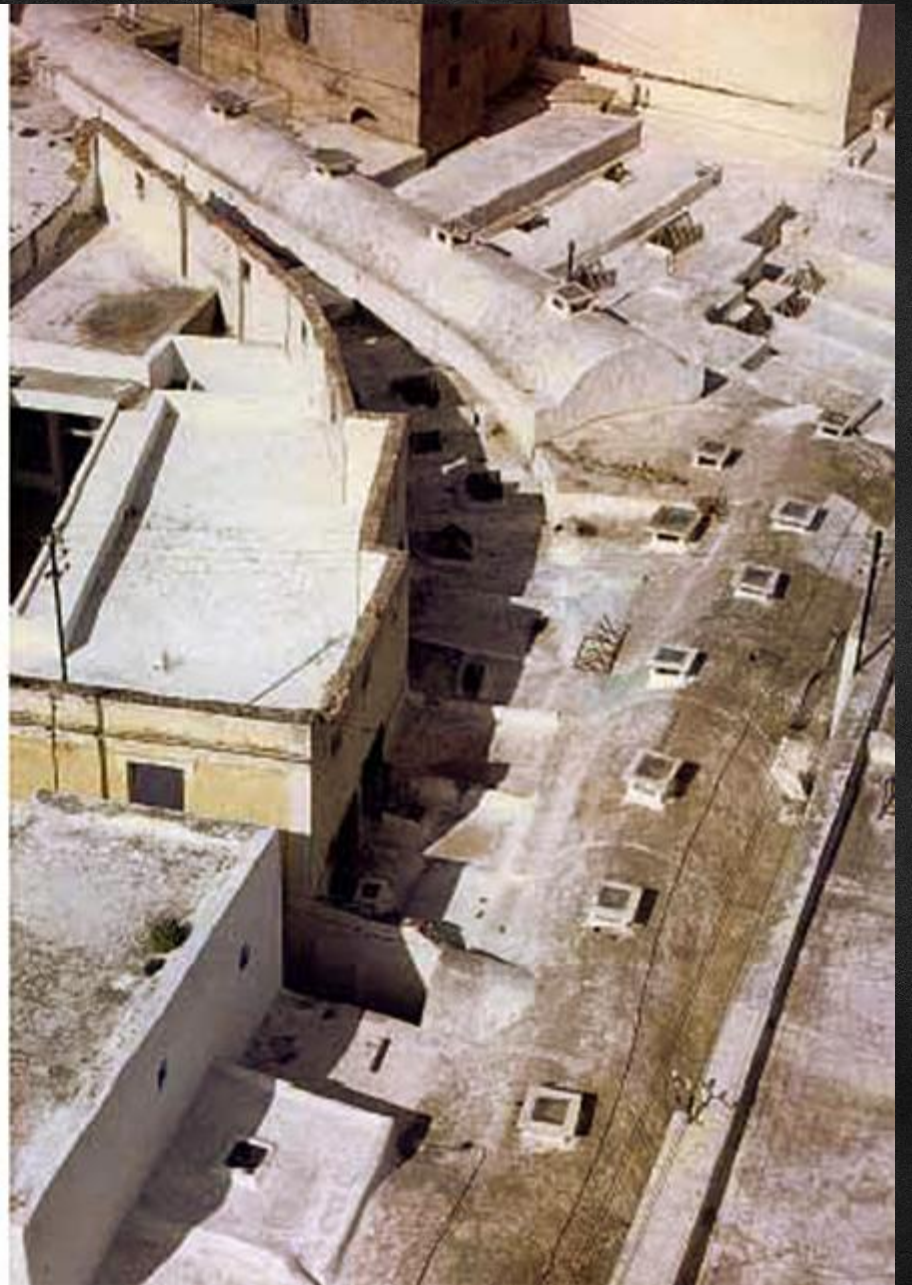




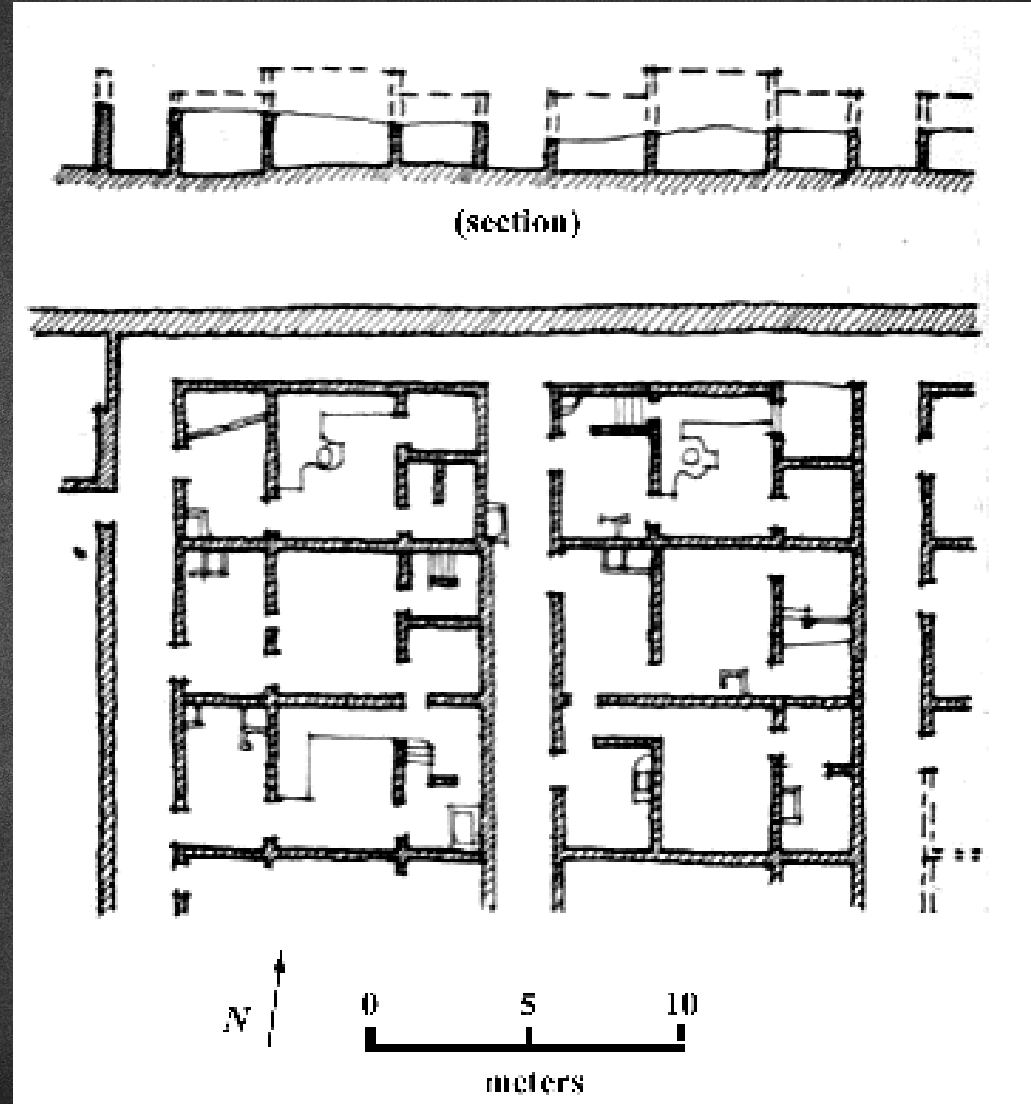




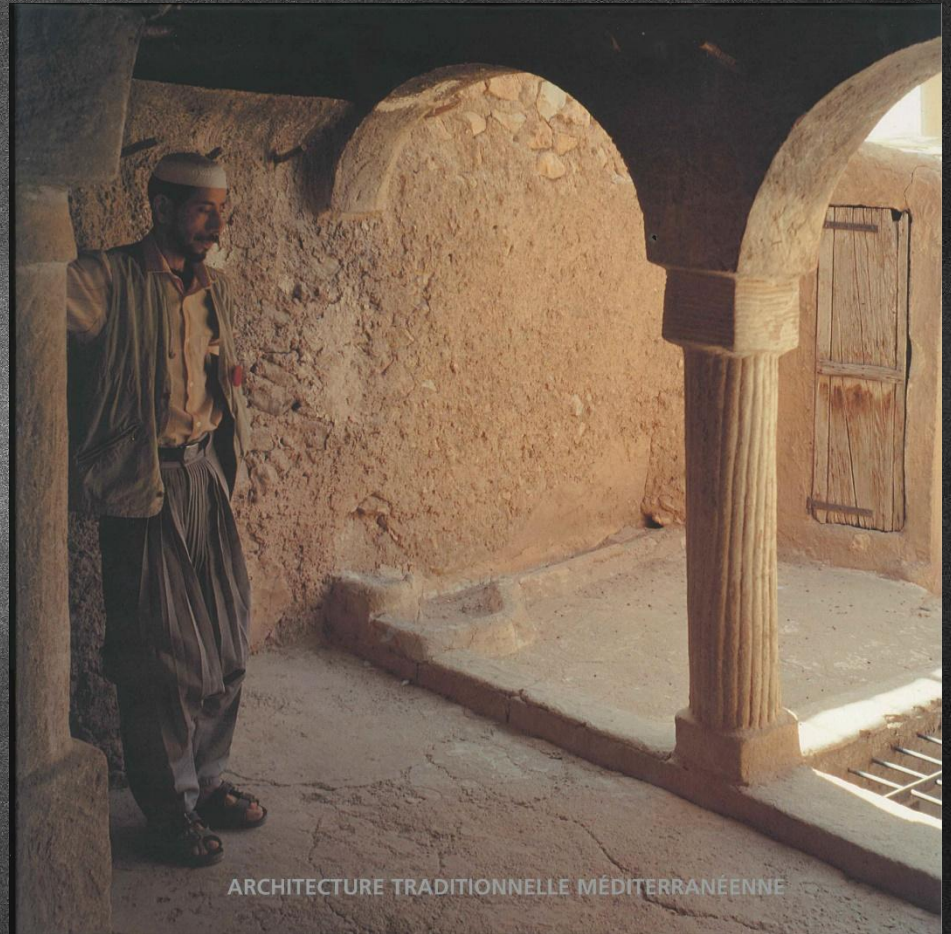
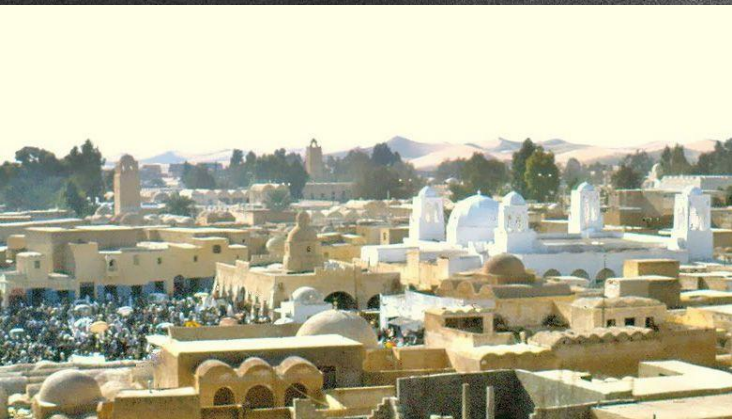
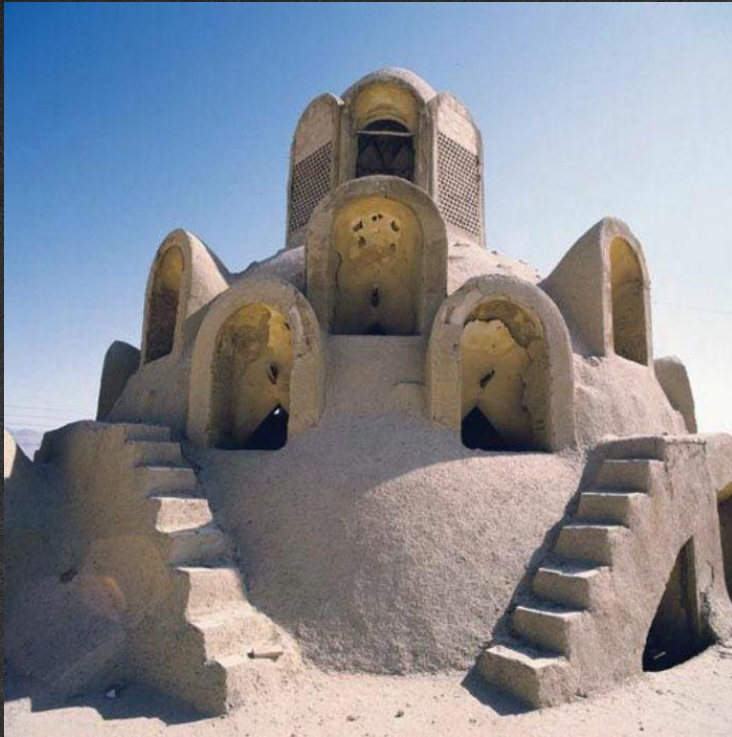




Composition architecturale

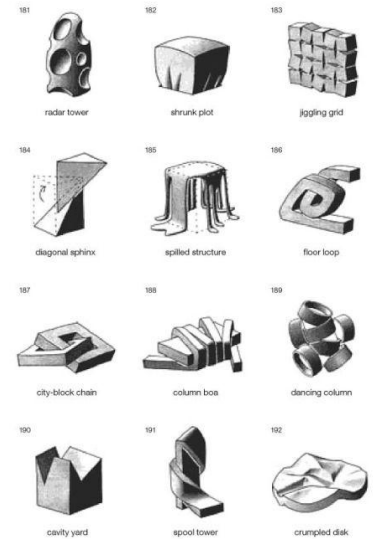
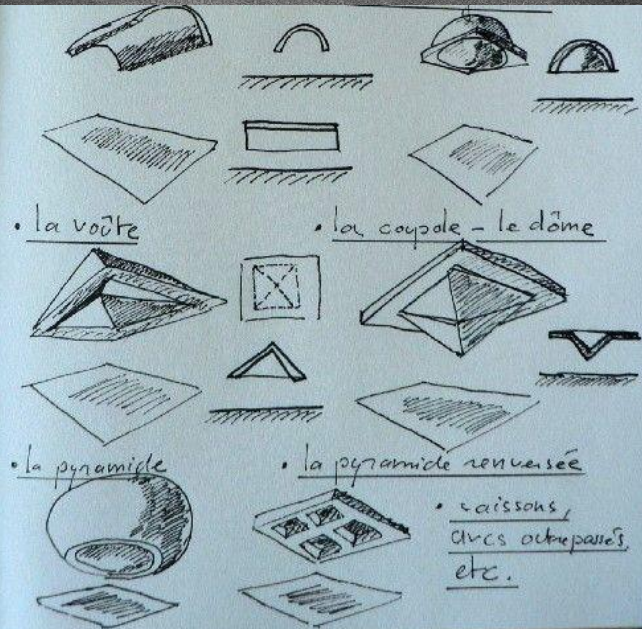
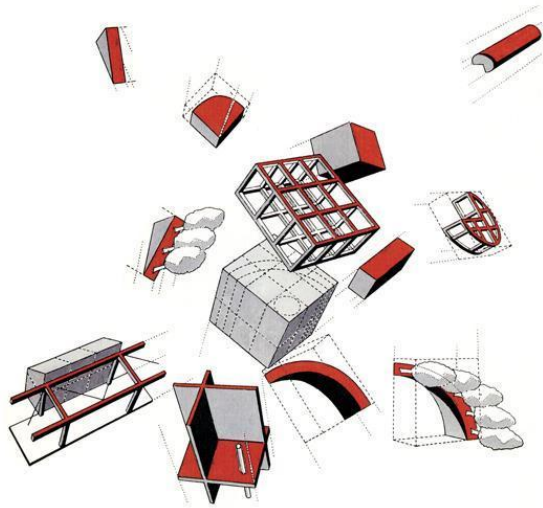
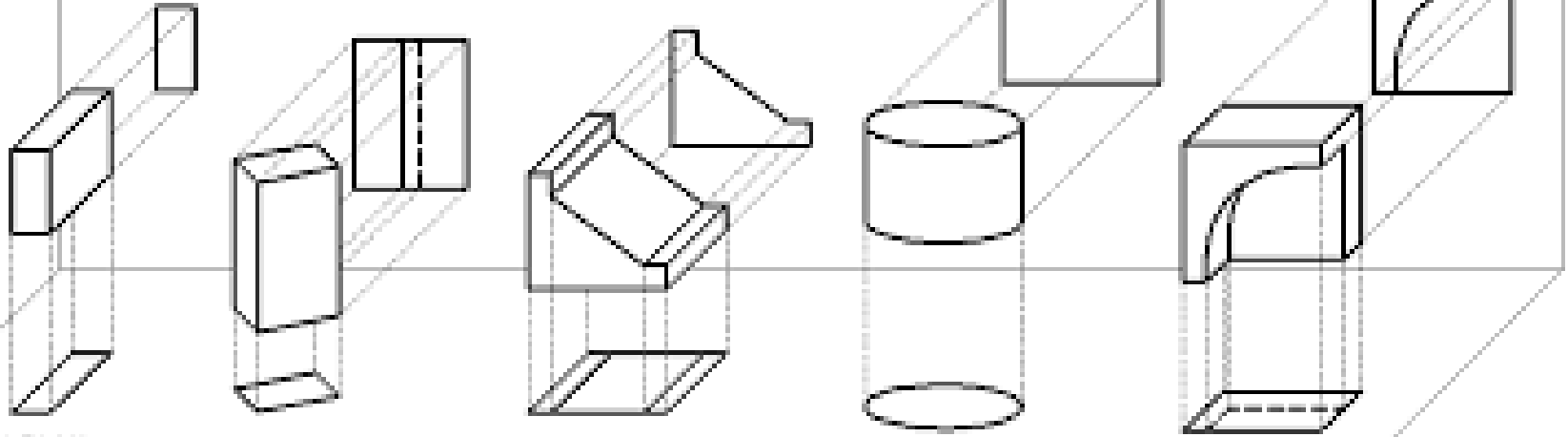


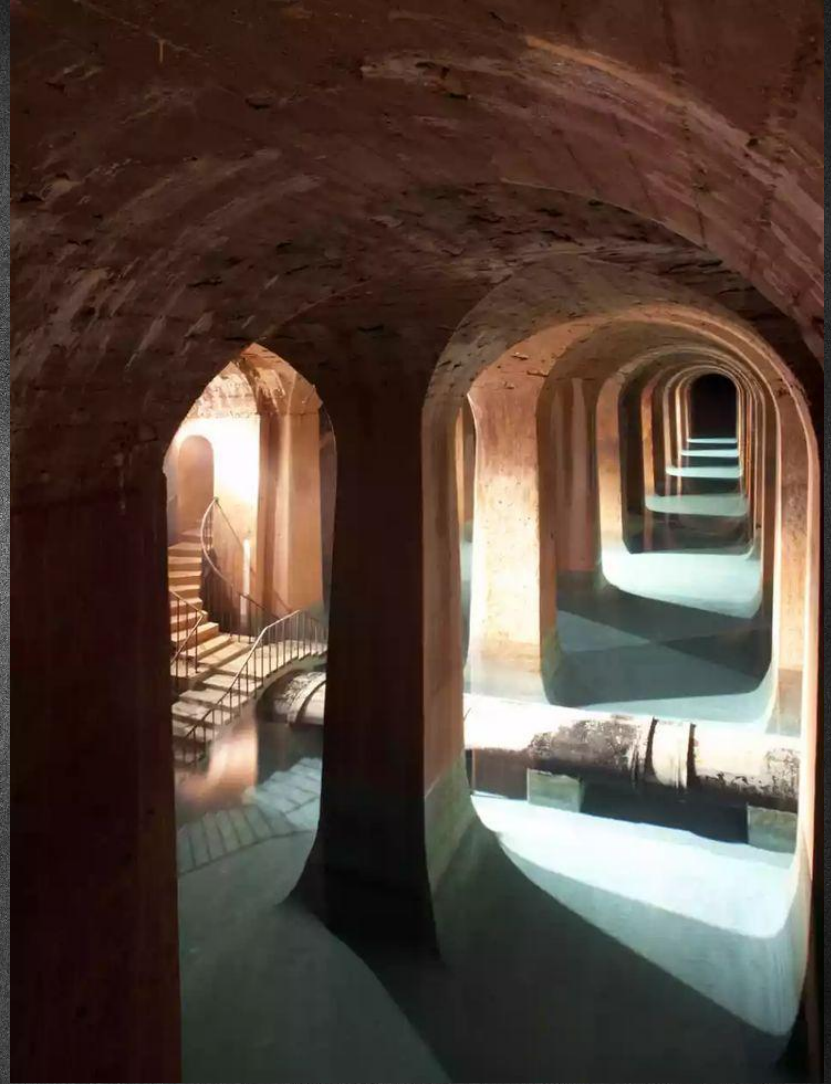
Forme

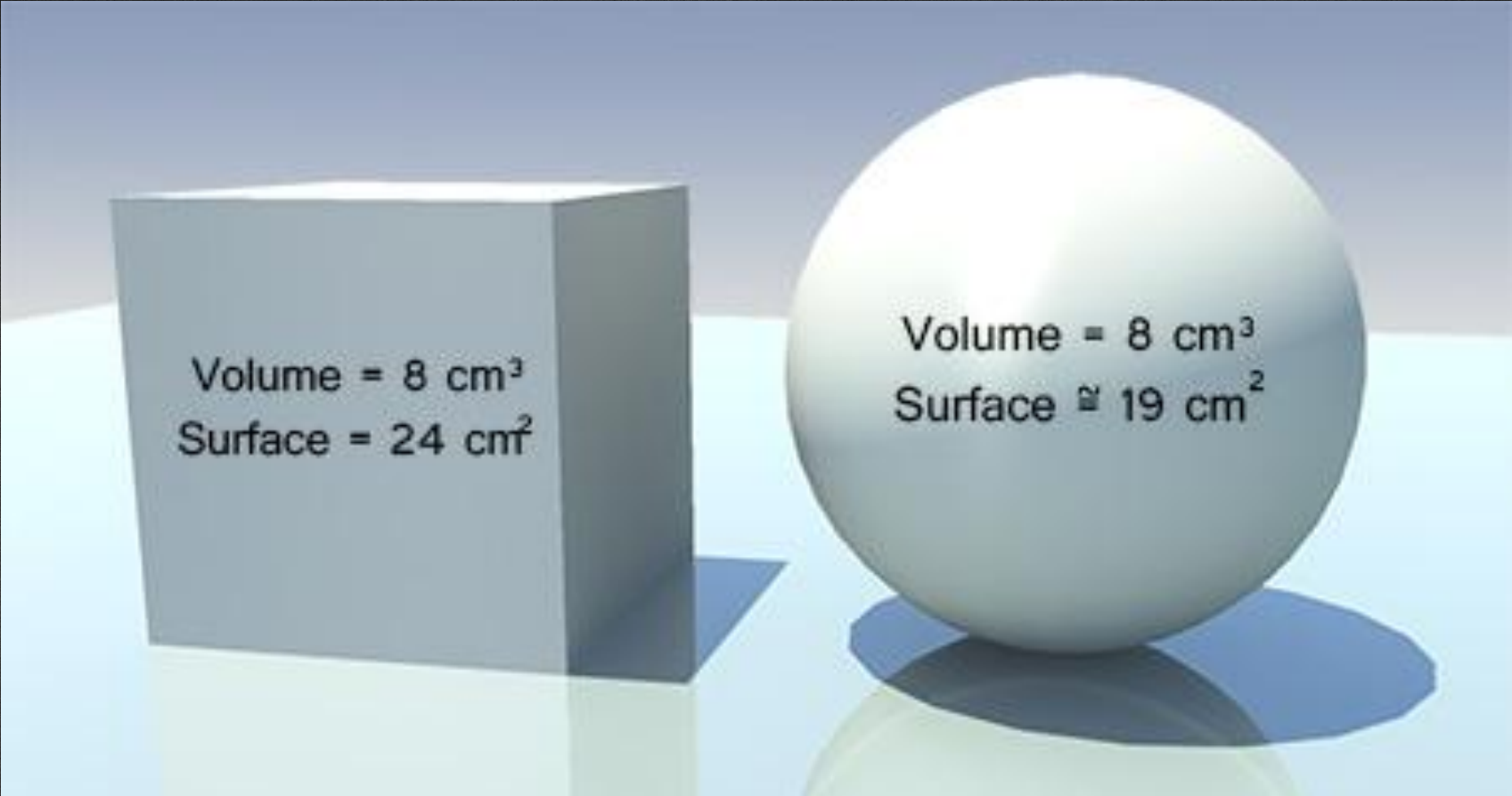


VUE DE FACE

VUE EN PLAN

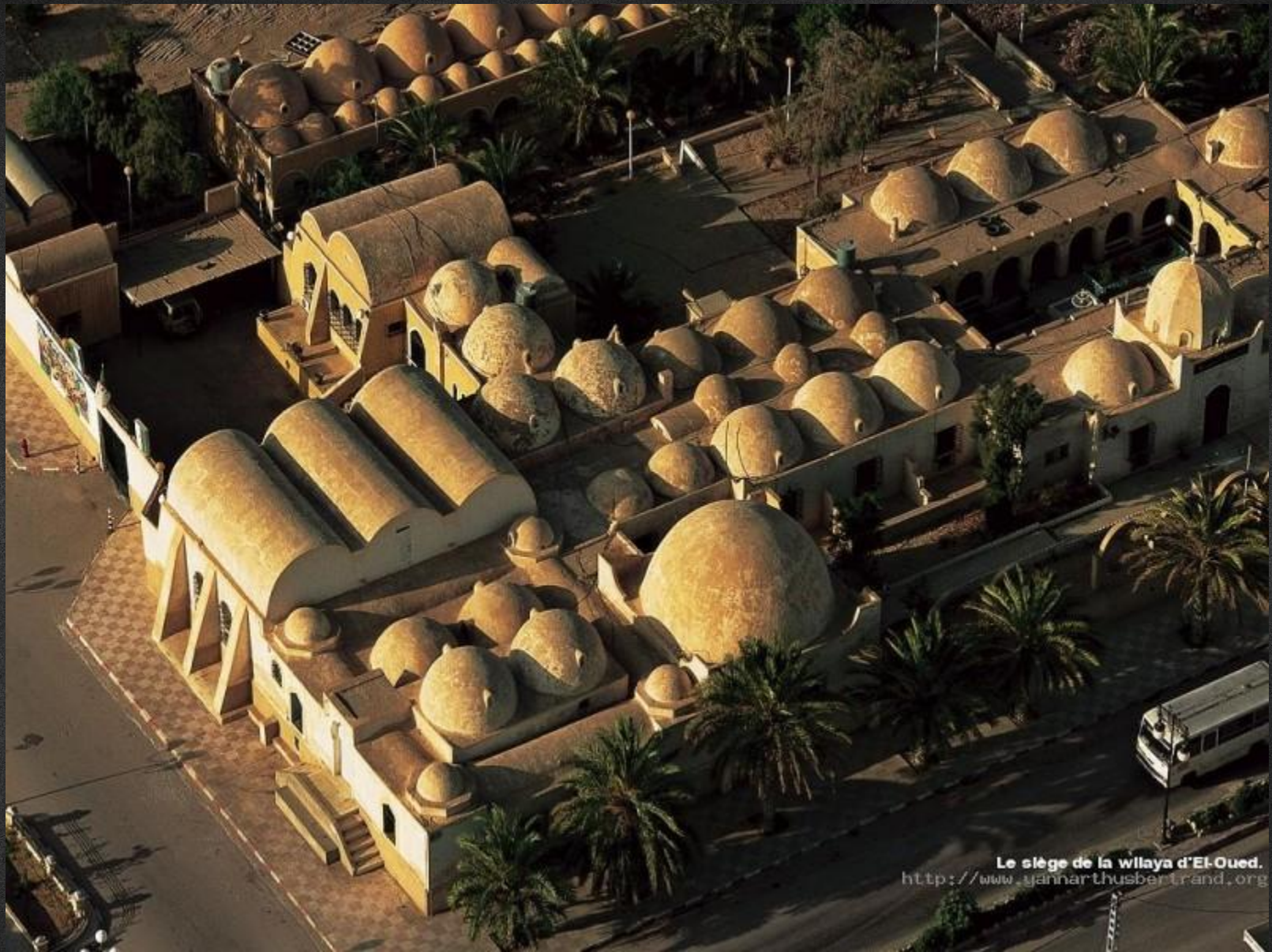






Volume = 8 cm^3
Surface = 24 cm^2

Volume = 8 cm^3
Surface $\approx 19 \text{ cm}^2$



Le siège de la wilaya d'El-Oued.
<http://www.yannarthusbertrand.org>



Façades et fenêtres





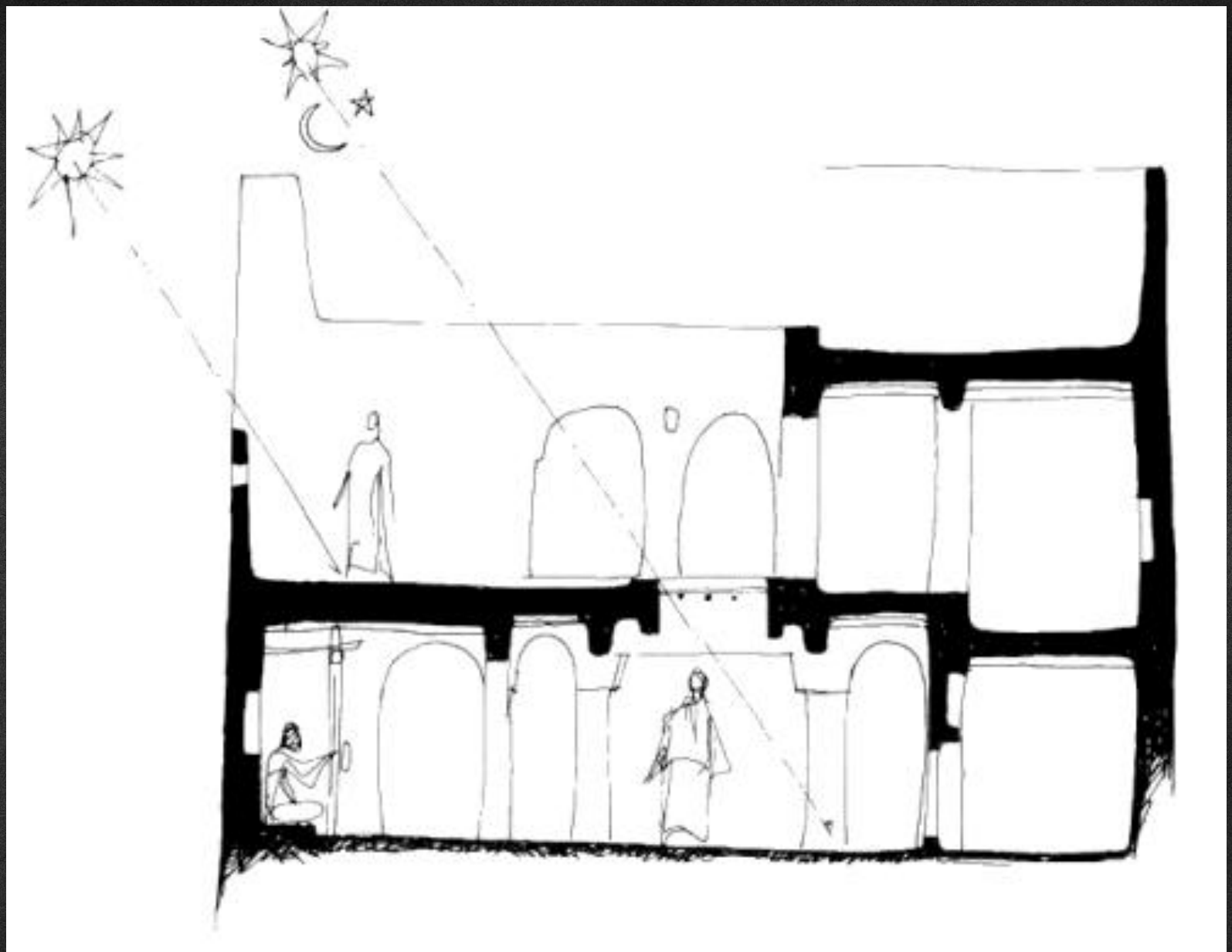


Le végétal et l'eau



Les matériaux





Les couleurs







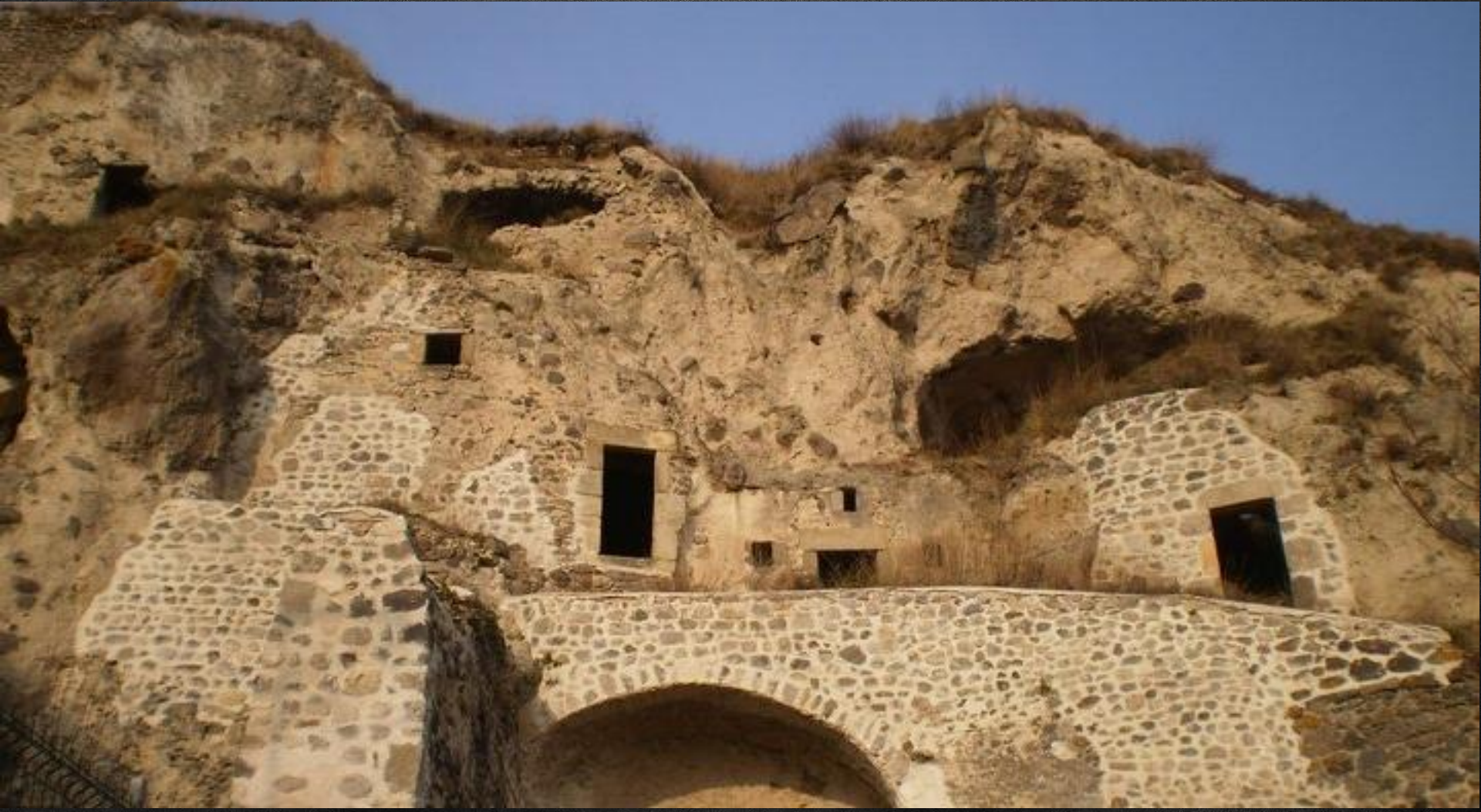
Source: archives CRAterre (PO)





Habitations troglodytiques

Voir les vides, penser en « négatif » par soustraction de matière....





Habitation troglodytique dans les Gorges du Ghoufi les Aurès Algérie



Sri Lanka



Habitat berbère troglodytique à Matmata Tunisie

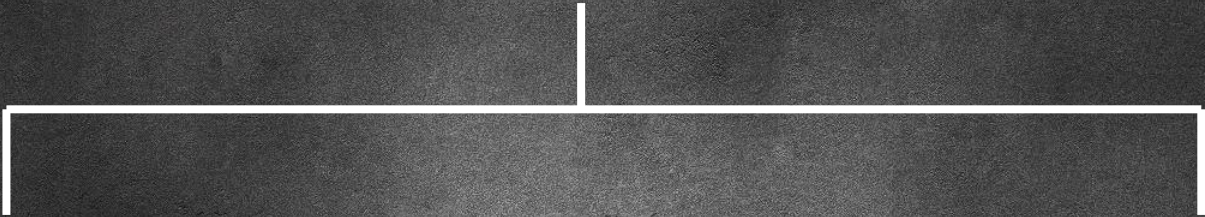
[illegible]

Habitat berbère troglodytique à Matmata Tunisie



Habitat berbère troglodytique à Matmata Tunisie

Terre ou roche



```
graph TD; A[Terre ou roche] --> B[Isolation thermique]; A --> C[Protection climatique];
```

Isolation
thermique

Protection
climatique



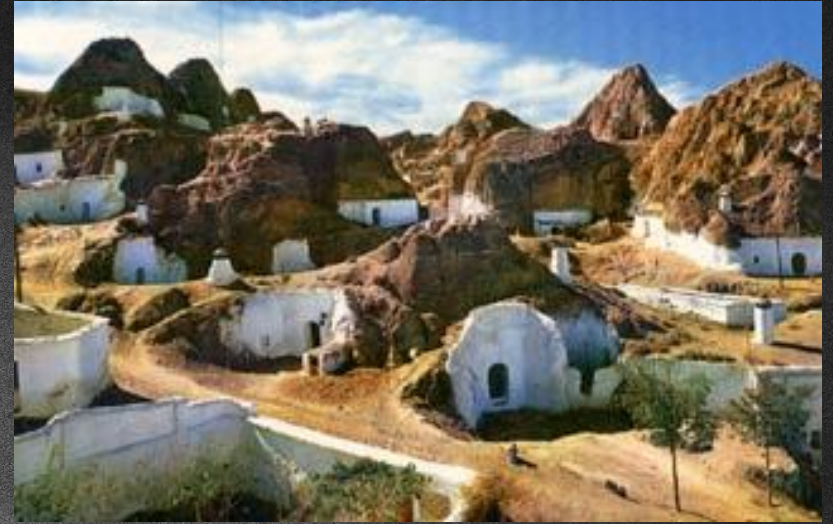
Turquie (Cappadoces)



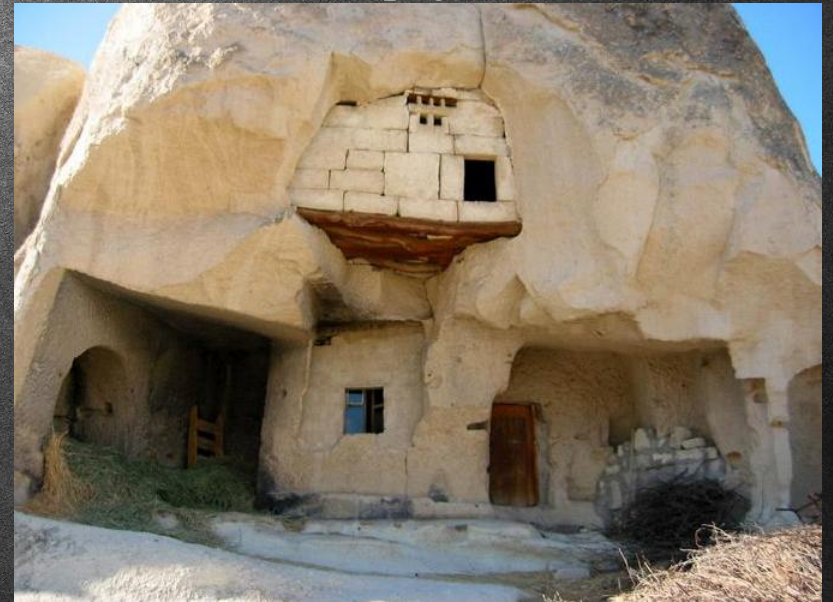
Reste d'occupation troglodytique en Chine



Iran



Espagne



Cappadoce (Turquie)



Turquie



Turquie



le Royaume-Uni Nottingham



Italie (hôtel, à Civita di Bagnoregio).



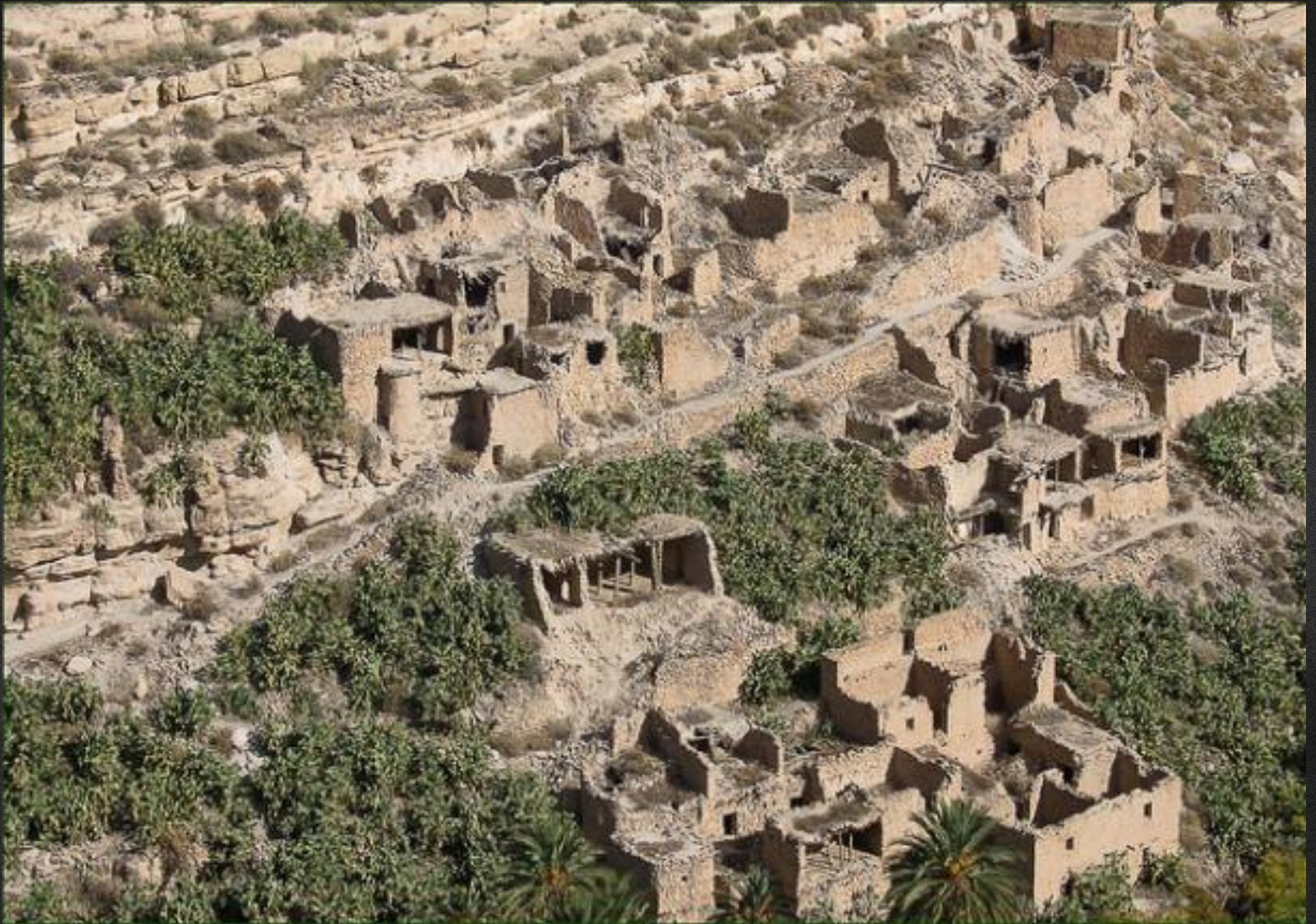
Jordanie Site classé au patrimoine mondial de L'UNESCO



L'Espagne (Andalousie)



Les balcons de Ghoufi



Les balcons de Ghoufi

Merci