Risk mitigation

Policies for risk governance Risk management plans Resilience improvement Early-warning systems **Risk mitigation works** Accountability

Sendai Framework for Disaster Risk Reduction 2015 - 2030



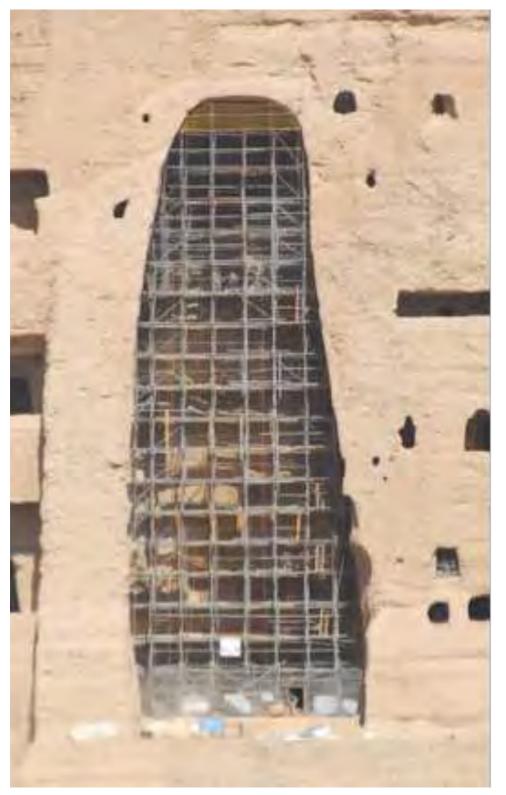
Policies and management

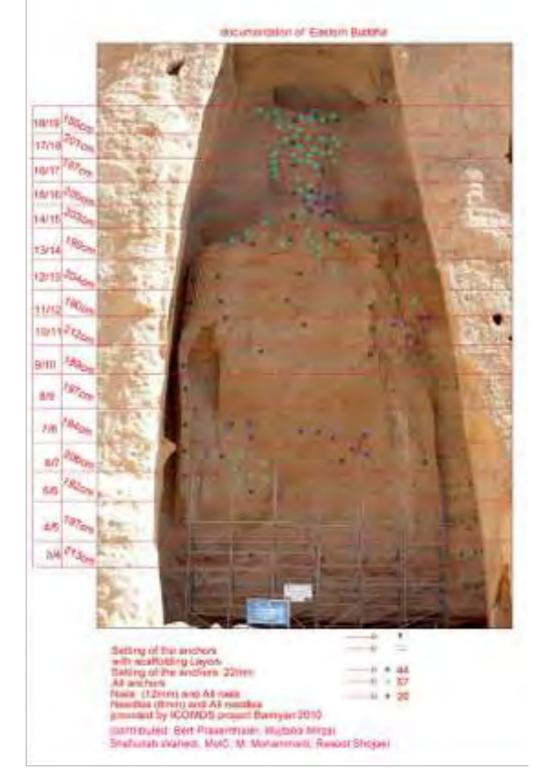


Key principles

- solve the problem
- preserve the original aspect of the site
- make benefit of local experience,
- maximize the reproducibility, both in time and space, of the adopted techniques in case of further interventions
- involve local community in protection and development of the site

Cliff stabilization works





Bamiyan (Afghanistan)

Cliff stabilization works









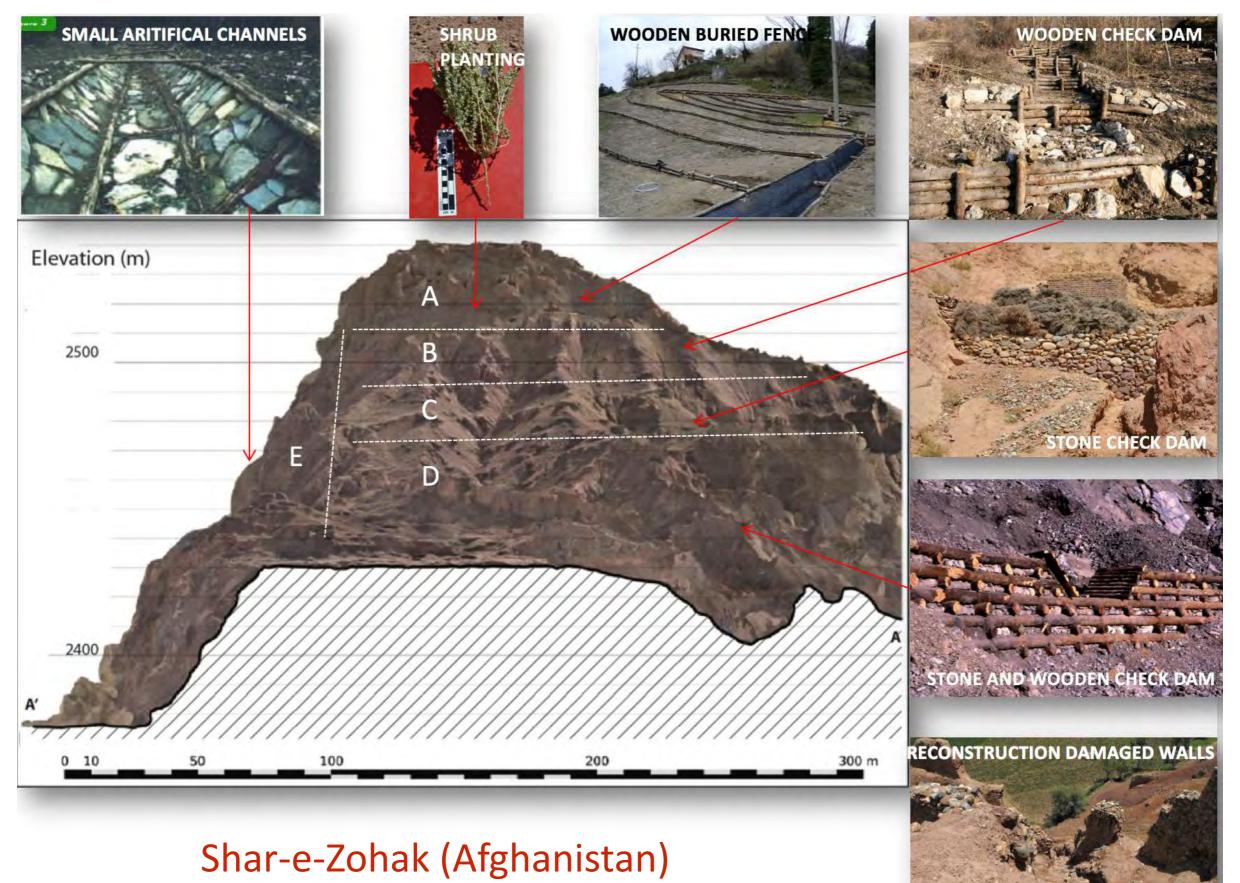
Bamiyan (Afghanistan)

Protection from erosion

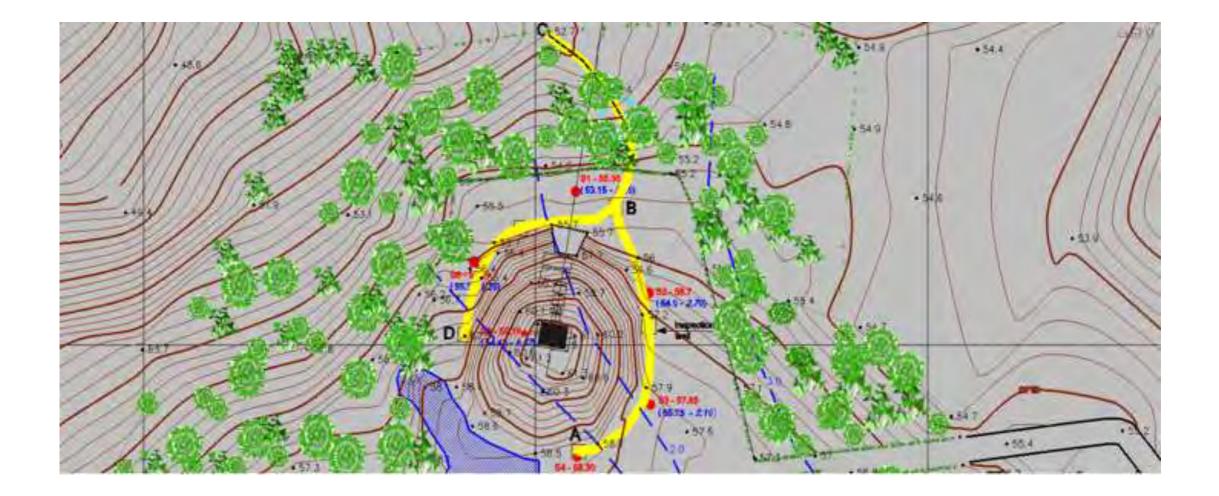


Shar-e-Zohak (Afghanistan)

Protection from erosion



Drainage



Kogurio (North Korea): drainage trench

Not only with new tachnologies

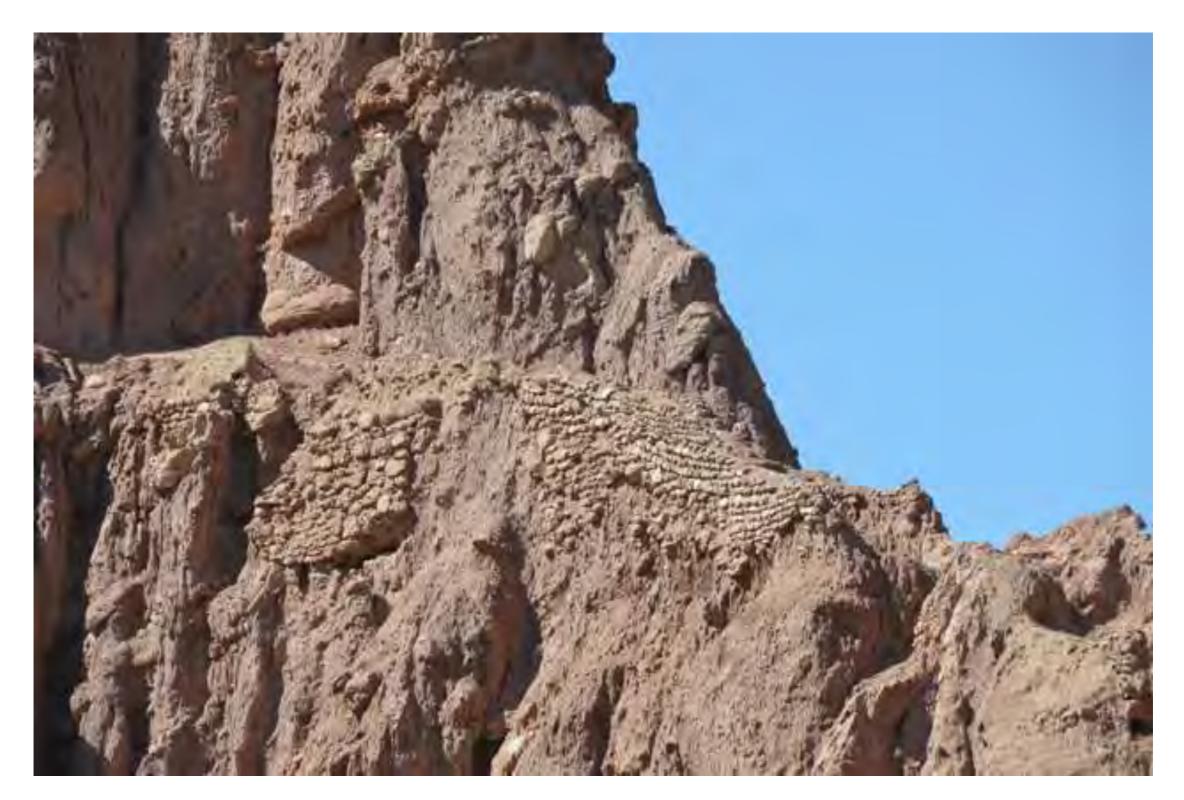
- solve the problem
- preserve the original aspect of the site
- make benefit of local experience,
- maximize the reproducibility, both in time and space, of the adopted techniques in case of further interventions
- involve local community in protection and development of the site

Drainage

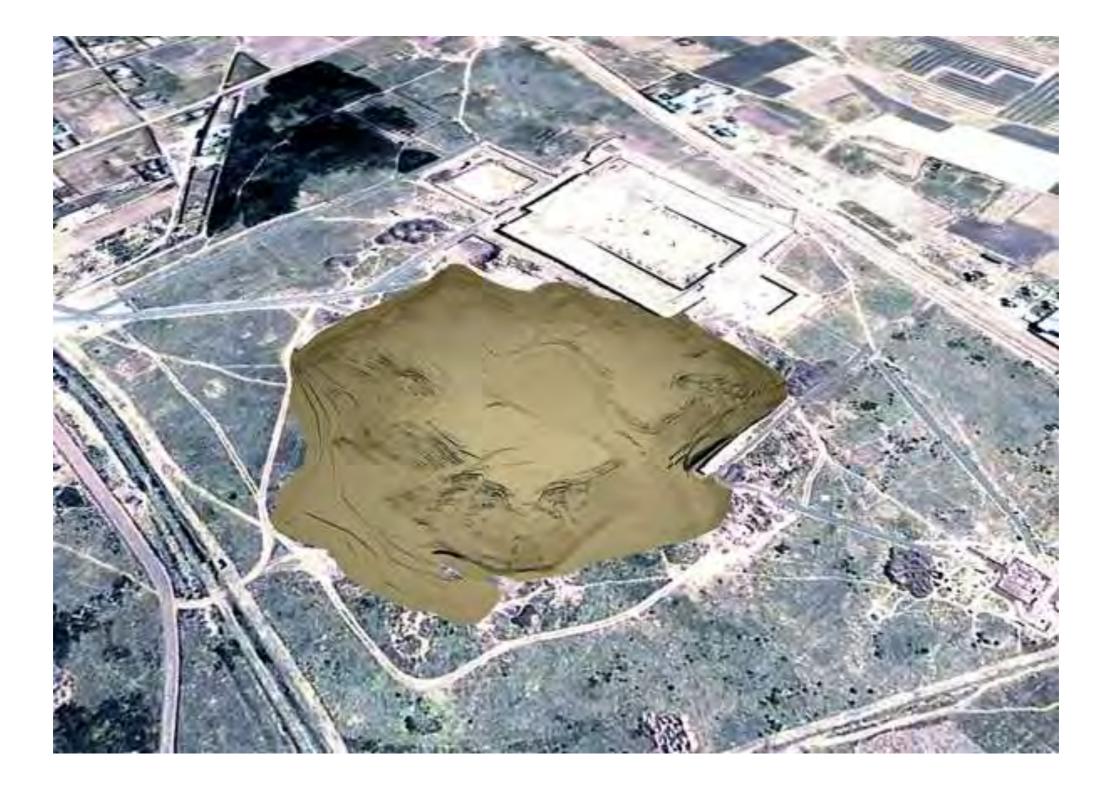


Tools used at site...

Kogurio (North Korea): drainage trench



Shar-E-Zohak (Afghanistan)



Tiwanaku (Bolivia): Akapana pyramid



Penca (or Penka) is a cactus mucillage. It is mixed with straw and mud for clay stabilization and reinforcement

Tiwanaku (Bolivia): Akapana pyramid



Penca treatment

Tiwanaku (Bolivia): Akapana pyramid

Thank you for your attention and see you soon in Florence

