

# **3D modeling in cultural heritage field in Kyrgyzstan**

**Anthropology-Library collaboration**

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# 3D modeling

## Methods

- Photography (getting raw data)
  - a) quadcopter, camera Canon Mark IV, tripod, recording tape
  - b) use of DJI Intelligent Mode Flight, Pix4DPicture application
- Creating 3D models (processing)
  - a) iMac (16+ Gb memory)
  - b) working in Agisoft Photoscan, getting files obj. and pdf. format

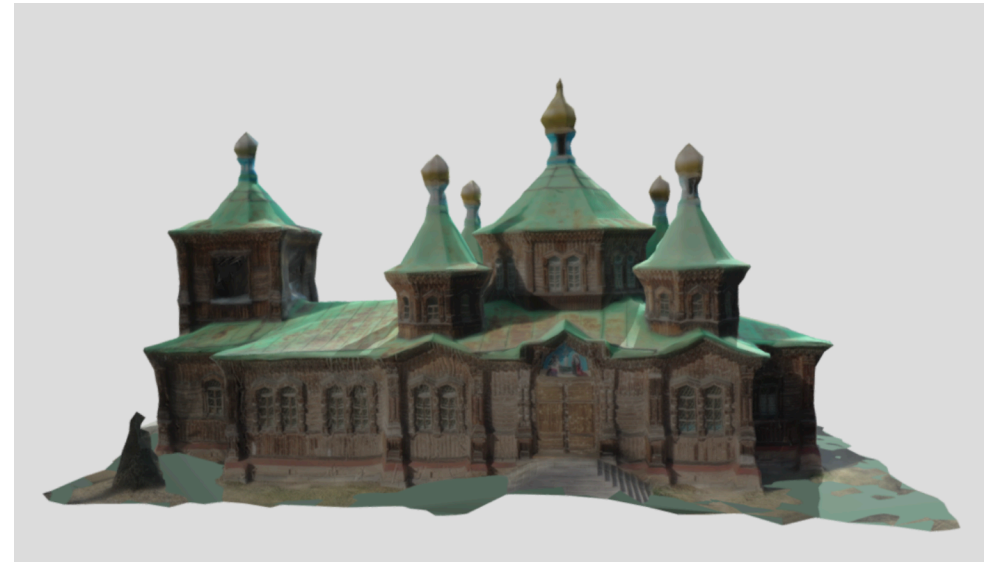
# Combination of quadcopter and camera photos

## Methods

- Point of Interest in DJI Intelligent Flight Mode
- Same radius and height (min. 3 meters)
- Shooting the objects every 2 seconds
- Making two round flights at 45 and 75 degrees
- Applicable for small and large objects
- Better results if there are no obstacles (trees, neighboring buildings, poles, wires, etc.)

# Results

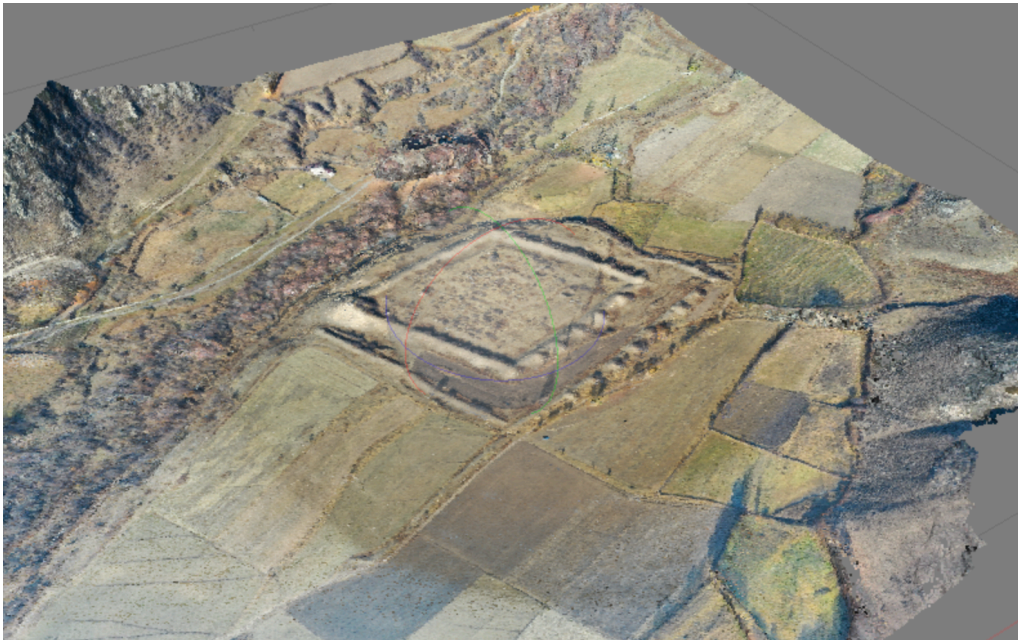
Historical buildings in Karakol on [skecthfub.com](https://skecthfub.com)





# Results

## Tosor and Karool-Dobo fortresses (VI-XII AD)



# Results

## Rock with runic inscription

