

CHERE

Cultural HEritage REpository

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- Started as a museum repository (muzej.info)
 - Set of web based tools for cultural heritage preservation and digitization
 - <http://chere.etfbl.net>
- Individual services can be used in a variety of ways

- Structure from Motion
 - Reconstruction of textured 3D object from a series of photographs of the object
- Measurement of 3D objects
 - Reconstructed or user-provided
- Conversion of BigBlueButton meetings' recordings to standalone video files
- Visual image search
 - Integrated with the museum repository
 - <https://chere.etfbl.net/visual-search>









Projects

[Create Project](#)[Advance Search](#)

 Projects

Showing 1-4 of 4 items.



#	Name	Description	Processing status	Processing Status At	Public	
		<input type="text"/>				
1	Stone monument	This project is a demonstration of structure from motion reconstruction of 3D object from a series of 2D images (photos) of the object. This demo uses a set of photographs made in Banja Luka.	processing	2022-01-29 17:37:32	Private	 
2	Monument to Ban Lazarevic	SfM reconstruction of monument to Ban Lazarevic. Set of 32 20 MP photographs.	finished	2022-01-29 14:21:44	Private	 
3	Monument to Ban Lazarevic #2	SfM reconstruction of monument to Ban Lazarevic. Set of 38 20 MP photographs.	none	<i>(not set)</i>	Private	 
4	Remote presentation of CHERE Tools	Remote presentation of CHERE Tools. Presented in November 2021 to final year students.	finished	2022-01-29 09:26:15	Private	 

[Home](#) / [Projects](#) / Stone monument

Stone monument

[Start processing](#)[Update](#)[Delete](#)

Type	Structure from Motion - generate 3D model from a series of photos
Name	Stone monument
Description	This project is a demonstration of structure from motion reconstruction of 3D object from a series of 2D images (photos) of the object. This demo uses a set of photographs made in Banja Luka.
Public	Private
Processing status	ready for processing
Processing timestamp	Not processing

Project files

File name	File size [B]	Action	Delete
Input files			
/input/11230061.JPG	9,366,525	View Download	Delete file
/input/11230062.JPG	9,296,248	View Download	Delete file
/input/11230063.JPG	8,932,943	View Download	Delete file
/input/11230064.JPG	9,352,731	View Download	Delete file
/input/11230065.JPG	9,795,030	View Download	Delete file

Stone monument

[Update](#)[Delete](#)

Type	Structure from Motion - generate 3D model from a series of photos
Name	Stone monument
Description	This project is a demonstration of structure from motion reconstruction of 3D object from a series of 2D images (photos) of the object. This demo uses a set of photographs made in Banja Luka.
Public	Private
Processing status	finished
Processing timestamp	2022-01-29 16:47:11

Project files

File name	File size [B]	Action	Delete
Output files			
/output/model.nxs	7,095,296	Measure View Download	Delete file
/output/model.obj.tgz	11,374,068	View Download	Delete file
/output/model.ply	4,322,916	Measure View Download	Delete file
Logfiles			
/output/sfm.log	30,359	View Download	Delete file
/output/sfm.status	879	View Download	Delete file
Input files			
/input/11230061.JPG	9,366,525	View Download	Delete file

Structure from Motion



11230063.JPG



11230064.JPG



11230065.JPG



11230066.JPG



11230067.JPG



11230068.JPG



11230069.JPG



11230070.JPG



11230071.JPG



11230072.JPG



11230073.JPG



11230074.JPG



11230075.JPG

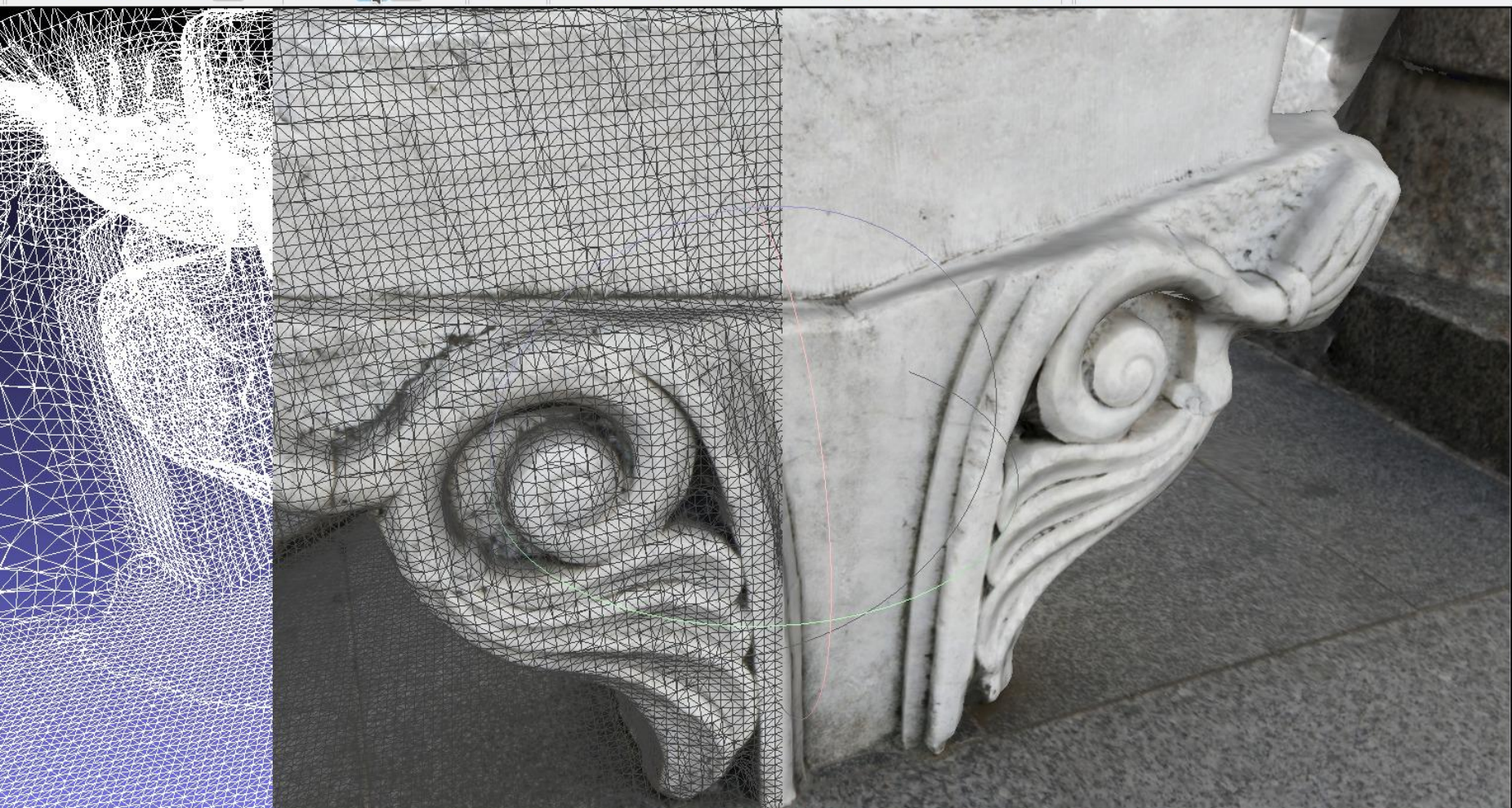
Structure from Motion



Measure 3D model in browser



Measure	
w	0.00
h	0.00
d	0.00
a1	1.06
a2	0.51
a3	0.7
a4	0.00
a5	0.00
a6	0.00
a7	0.00
l1	0.00
l2	0.00
l3	0.00
l4	0.00
l5	0.00
l6	0.00
l7	0.00



FOV: 44.6
FPS: 46.7
BO_RENDERING

Mesh: stm.obj
Vertices: 104,399
Faces: 204,019
Selection: v: 0 f: 0
FC WT

OpenDroneMapper support

[Home](#) / [Projects](#) / ODM minefield

ODM minefield

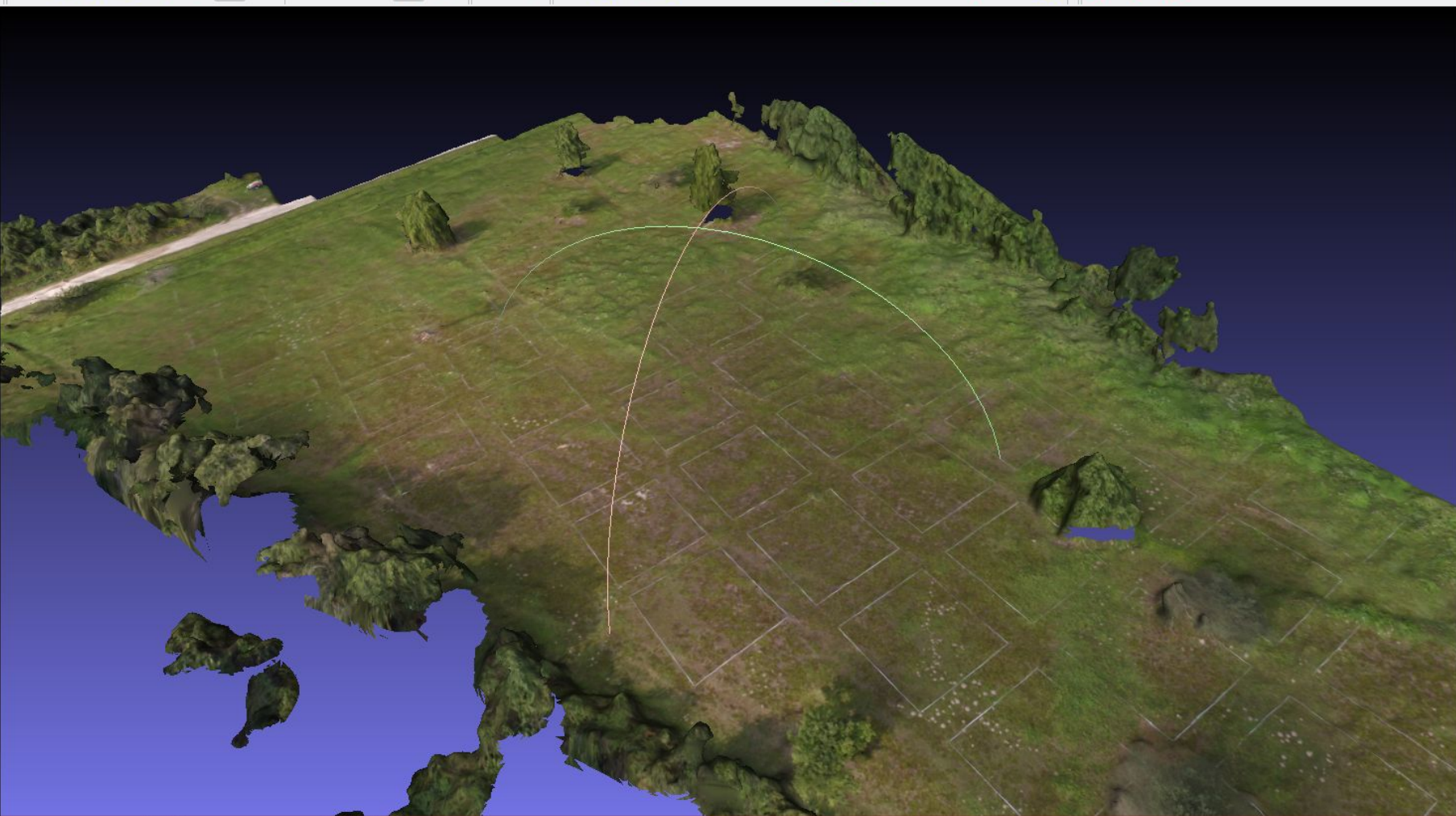
Update

Delete

Type	OpenDroneMapper - generate 3D model of the ground from a series of photos
Name	ODM minefield
Description	Minefield test for OpenDroneMapper reconstruction
Public	Private
Processing status	finished
Processing timestamp	2022-04-13 14:51:18

Project files

File name	File size [B]	Action	Delete
Output files			
/output/odm_orthophoto.tgz	62,881,312	View Download	Delete file
/output/odm_texturing.tgz	66,140,303	View Download	Delete file



FOV: 60
FPS: 88.5
BO_RENDERING

Mesh: odm_textured_model_geo.obj
Vertices: 185,416
Faces: 317,762
Selection: v: 0 f: 0
FC WT

CHERE Visual Search

Cultural Heritage Repository - CHERE Tools - Visual Search

Upload an image for visual search

Browse... cervena2.jpg

Search



Visual Search Results

Click on the image for more information about the item



SFR Jugoslavija 1990. UNOS

Naziv unosa

SFR Jugoslavija 1990.

Narodni naziv

10 dinara

Naziv zbirke

Katalog papirnog novca

Pogledajte sve Unosi s ovom vrijednošću

Vrijeme nastanka

1990-09-01

Pogledajte sve Unosi s ovom vrijednošću

Mjesto nastanka

Beograd

Pogledajte sve Unosi s ovom vrijednošću

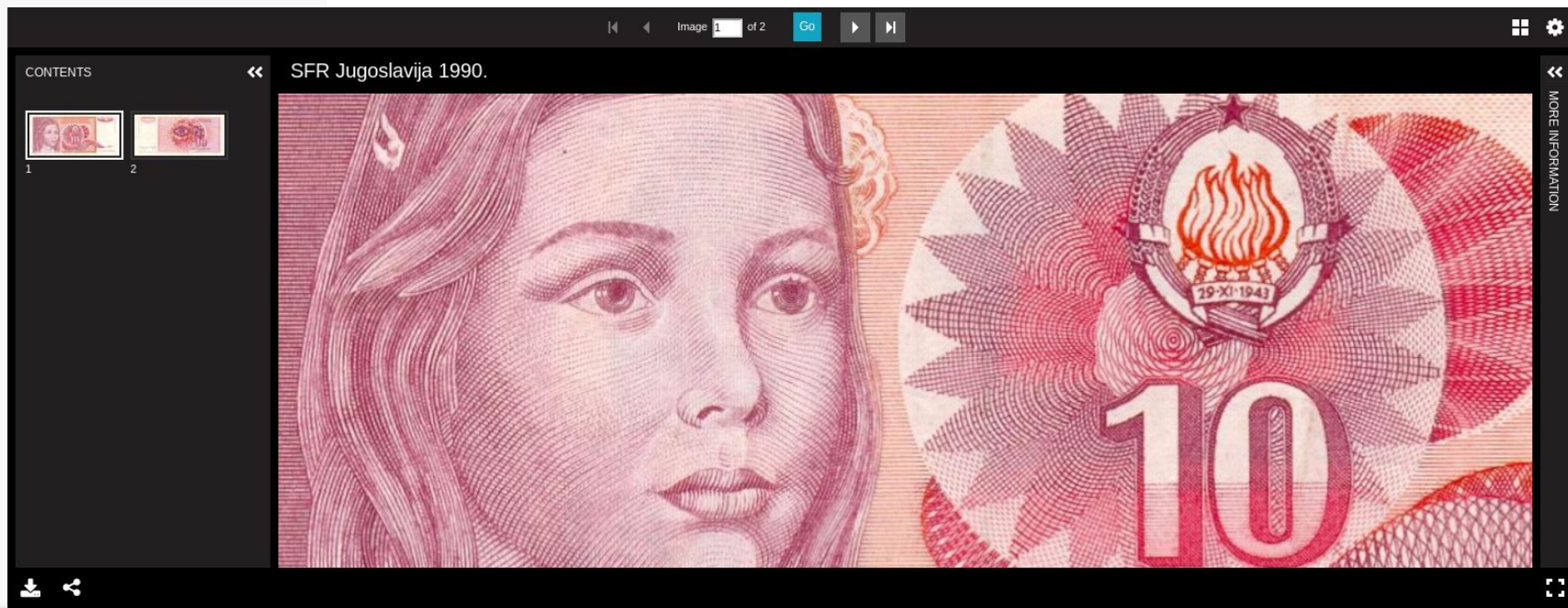
Širina predmeta

0,066 m

Dužina predmeta

0,14 m

- chere.etfbl.net/visual-search
- More information for each image from the museum repository (muzej.info)



FAIR CHERE

- Service is featured in the NI4OS catalogue
 - [Metadata](#)
- HTTP access/Docker container
 - [Terms of use](#)
- Working with data in open formats
- Individual services can be used in a variety of ways
- Based on open source tools and libraries
- GPL License