

**3D-IMP-ACT**

VIRTUAL REALITY AND **3D** EXPERIENCES TO **IMPROVE** TERRITORIAL **ATTRACTIVENESS**,  
**CULTURAL HERITAGE**, SMART MANAGEMENT AND **TOURISTIC DEVELOPMENT**



## OUTPUT T.3.2

Creation of a new laboratory in IKTK



## Main Outputs

- 3 Laboratories for 3D and digital technologies in Albania and Montenegro

### Outputs – The National Institute for Cultural Heritage

- One Laboratory for 3D and digital technologies in Albania – IKTK premises



#### LABORATORY FOR DIGITAL TECHNOLOGIES

Equipment of the laboratory have been co-financed by the state budget and 3D-IMP-ACT project in the framework of Interreg IPA CBC Italy-Albania-Montenegro Programme

**2018-2020**

#### LABORATOR PËR TEKNOLOGJITË DIGJITALE

Pajisjet e laboratorit u mundësuan me bashkëfinancim nga buxheti i shtetit dhe projekti 3D-IMP-ACT në kuadër të programit Interreg IPA CBC Itali-Shqipëri-Mal i Zi

**2018-2020**



- **Activity A. T3.2. Laboratory infrastructure and equipment purchase in IKTK**

The work-package WPT3 deals in creating a new laboratory in **IKTK Premises** Deliverable DT3.2. This Laboratory has been equipped with new equipment's using 3d technologies in way to fulfill the Output of WP2 and WP3 (OT OT2.1, OT2.2, OT2.3). It serves to 3D modeling and scanning of the artefacts and as a movable laboratory for 3D-IMPACT Project Deliverable Outputs.

Other sites will be further assessed by onsite investigation, including diagnostic testing by non-destructive techniques and photogrammetric survey by UAVs, in order to address some demonstration projects.

Another important aspect of this laboratory is the increase of know-how knowledge's and techniques for scientific work in using the digital technologies in preservation of cultural heritage". The work has been published in the final conference and also in national and international conferences with acknowledges dedicated to 3D-IMP-ACT support.



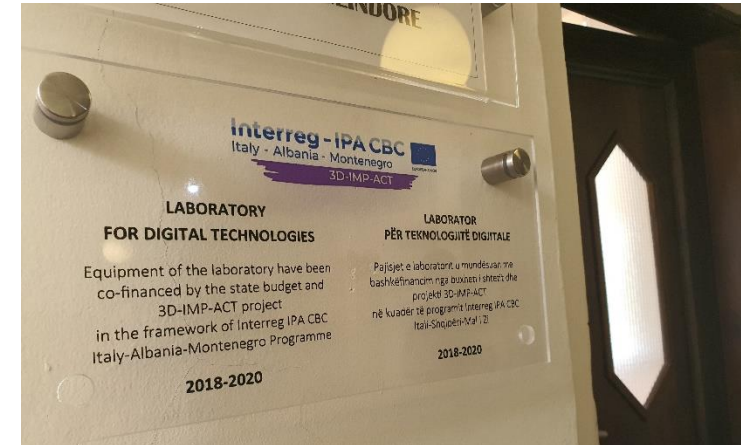
○ **Activity A. T3.2. Laboratory infrastructure and equipment purchase in IKTK**

The laboratory is placed in a dedicated area inside of IKTK premises, **ground floor**.

All the equipment's are labeled by visible sticks with the acronym project name and logo.

This laboratory will become sustainable, also after the closure of the project since this new technology will be used in other cases, cultural monuments and sites in Albania.

This will ensure the continuity of the work done under this project and this investment will support ongoing works on IKTK and help rising the quality and detail of the project design work of IKTK.







### Activity A. T3.2. Laboratory infrastructure and equipment purchase in IKTK

TOTAL BUDGET: **17.820 Euro (without VAT)**

- (1) professional digital camera NIKON D850,
- (2) drone Mavic 2,
- (3) Removable Hard Disk,
- (4) Tablet,
- (5) Workstation,
- (6) Agisoft Photogrammetric Kit Professional Edition, Stand-Alone License.
- (7) Accessories





## Activity A. T3.2. Laboratory infrastructure and equipment purchase in IKTK

### Workstation and Agisoft software







## Activity A. T3.2. Laboratory infrastructure and equipment purchase in IKTK

### Tablet and removable hard disc





## Activity A. T3.2. Laboratory infrastructure and equipment purchase in IKTK

### Accessories

Considering that most of the equipment shall be used outdoors and generally in remote areas (where numerous historic buildings and sites are located), also due to the necessity during field work and for the functioning of the equipment of the laboratory, IKTK has undertaken a procedure for a list of accessories including:

- (1) Bag for drone,
- (2) Bag for the digital camera,
- (3) 2 Extra batteries for drone and one extra battery for the camera,
- (4) 2 Memory cards for the camera and one memory card for the drone,
- (5) Chargers and adaptors for the drone
- (6) Extendable stick for the digital camera (necessary for floor pictures and for high facades).



### Photographic Camera and accessories





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### Drone and accessories



Thank you!  
3D-IMP-ACT



Politecnico  
di Bari



POLO  
MUSEALE  
DELLA PUGLIA

