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3D-IMP-ACT

VIRTUAL REALITY AND **3D** EXPERIENCES TO **IMP**ROVE TERRITORIAL **A**TTRACTIVENESS, **C**ULTURAL HERITAGE, SMART MANAGEMENT AND **T**OURISTIC DEVELOPMENT

OUTPUT T.2.1

VR/AR models for immersive fruition of historic sites

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MiBACT POLO MUSEALE DELLA PUGLIA

IKTK INSTITUTI KOMBËTAR I TRASHËGIMISË KULTURORE
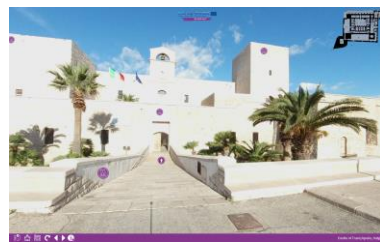
1951 1991 UPT

UCG Univerzitet Crne Gore

The research team has developed the following products:

❖ **Virtual Tours** of 4 Italian sites (Trani, Bari, Gioia del Colle and Egnatia), 2 Albanian sites (Bashtova and Apollonia) and 1 Montenegro site (Medun).
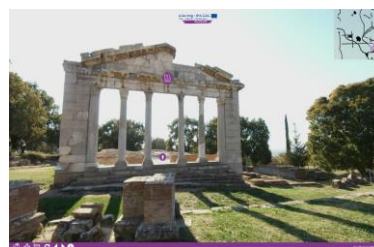

Castle of Gioia del Colle

Castle of Trani

Castle of Bari

Site of Egnatia
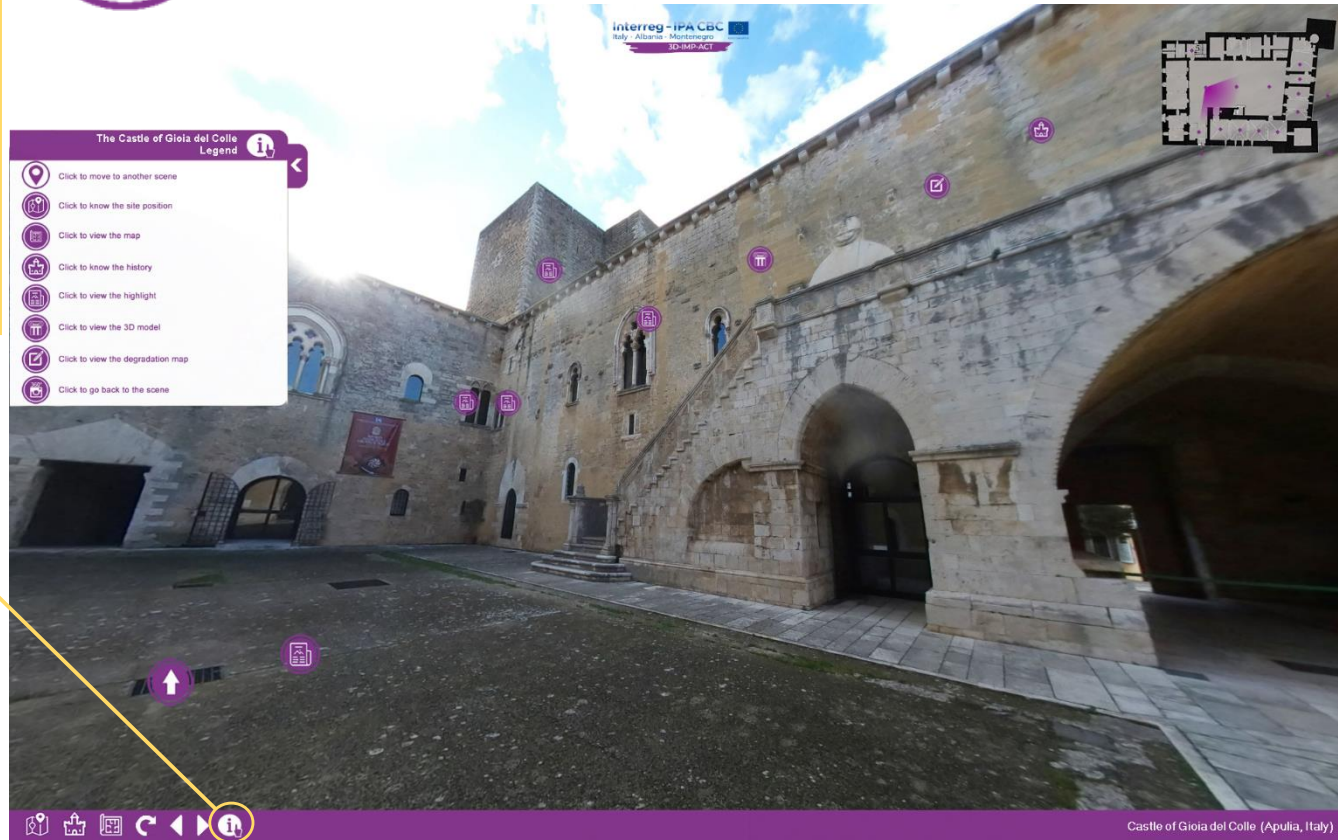

Castle of Bashtova

Site of Apollonia

Castle of Medun

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

VR

VIRTUAL TOUR
Castle of Gioia del Colle

Click to move to another scene
Click to know the site position
Click to view the map
Click to know the history
Click to view the highlight
Click to view the 3D model
Click to view the degradation map
Click to go back to the scene

In each Virtual Tour there is a legend of the main commands.

Castle of Gioia del Colle (Apulia, Italy)

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VR

Click to move to another scene
Click to know the site position
Click to view the map
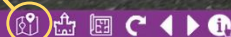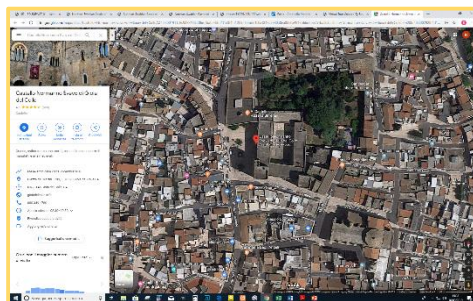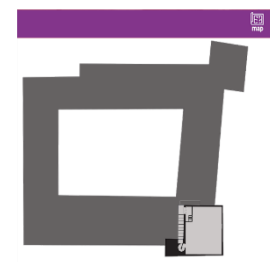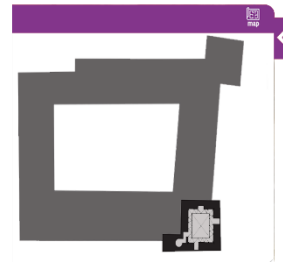Click to know the history
Click to view the highlight
Click to view the 3D model
Click to view the degradation map
Click to go back to the scene

Castle of Gioia del Colle (Apulia, Italy)

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VR

Click to move to another scene

Click to know the site position

Click to view the map

Click to know the history

Click to view the highlight

Click to view the 3D model

Click to view the degradation map

Click to go back to the scene

The Castle of Gioia del Colle
Ground Floor

Castle of Gioia del Colle (Apulia, Italy)

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IX Century

XII Century

XIII Century

XX-XXI Centuries

Click to move to another scene

Click to know the site position

Click to view the map

Click to know the history

Click to view the highlight

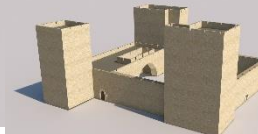Click to view the 3D model

Click to view the degradation map

Click to go back to the scene

The Castel of Gioia del Colle
The historical evolution

XII Century

0:14 / 0:30

Castle of Gioia del Colle (Apulia, Italy)

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VR

Click to move to another scene

Click to know the site position

Click to view the map

Click to know the history

Click to view the highlight

Click to view the 3D model

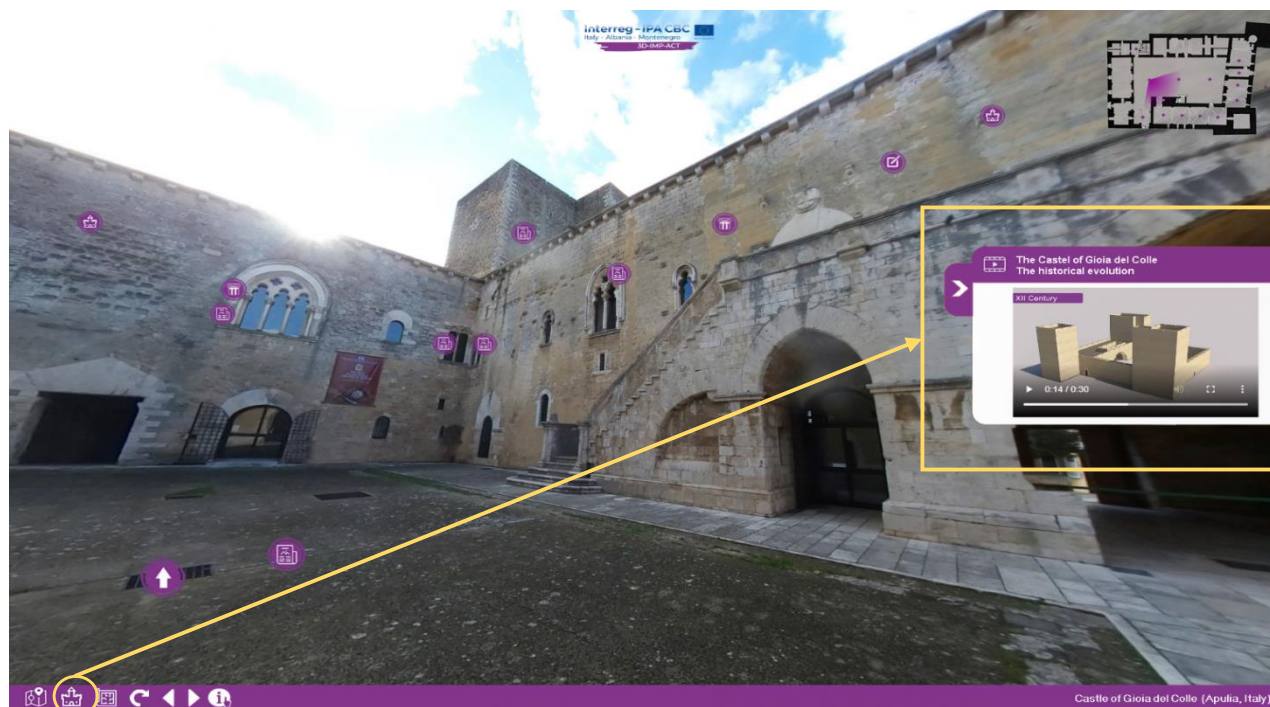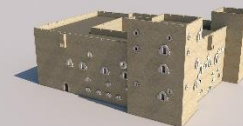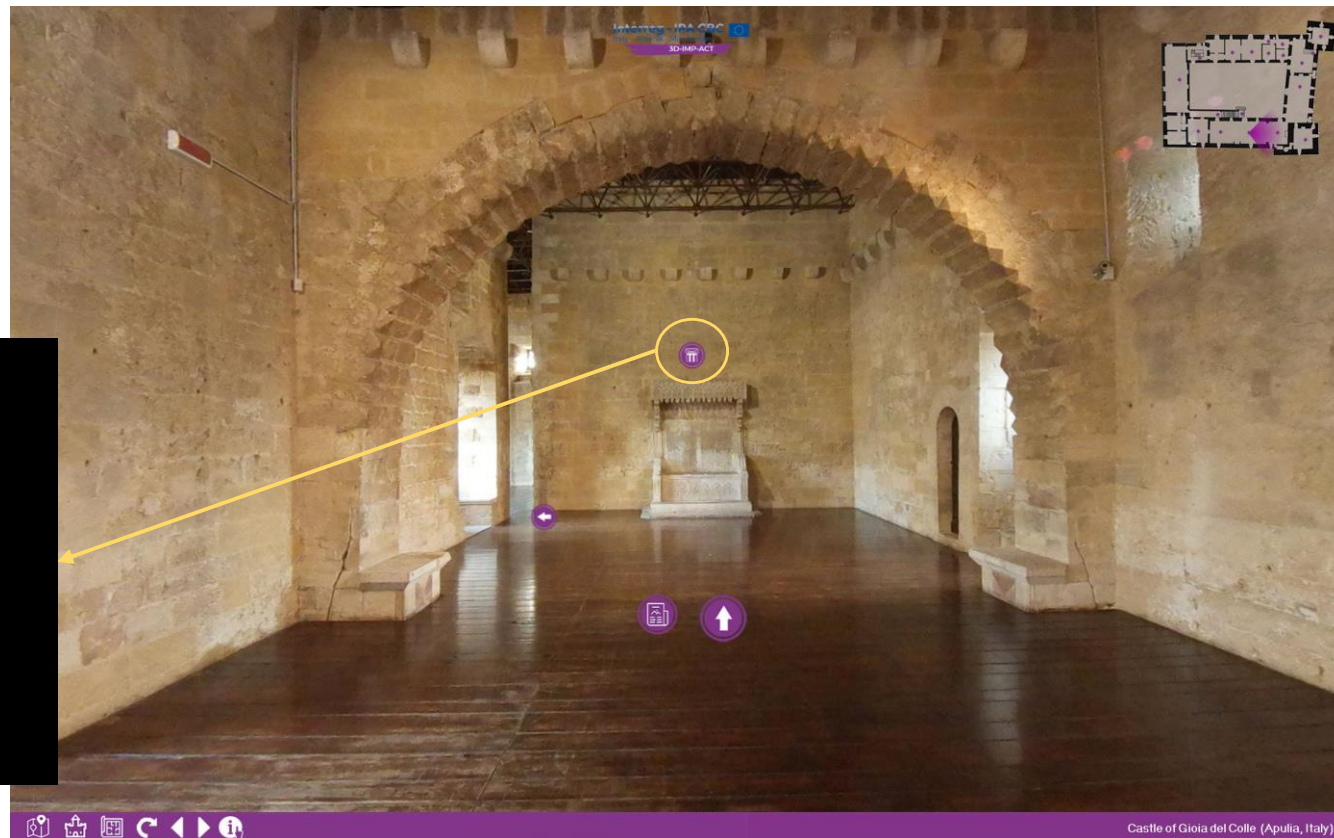Click to view the degradation map

Click to go back to the scene

Castle of Gioia del Colle (Apulia, Italy)

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VR

- Click to move to another scene
- Click to know the site position
- Click to view the map
- Click to know the history
- Click to view the highlight
- Click to view the 3D model
- **Click to view the degradation map**
- Click to go back to the scene

THE CASTLE OF GIOIA DEL COLLE (APULIA)
ASSESSMENT OF THE STATE OF CONSERVATION

LEGEND

- Alveolization
- Cracks
- Crust
- Biological Colonization
- Washout
- Plant
- Disintegration

Castle of Gioia del Colle (Apulia, Italy)

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VR

Click to move to another scene

Click to know the site position

Click to view the map

Click to know the history

Click to view the highlight

Click to view the 3D model
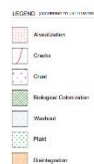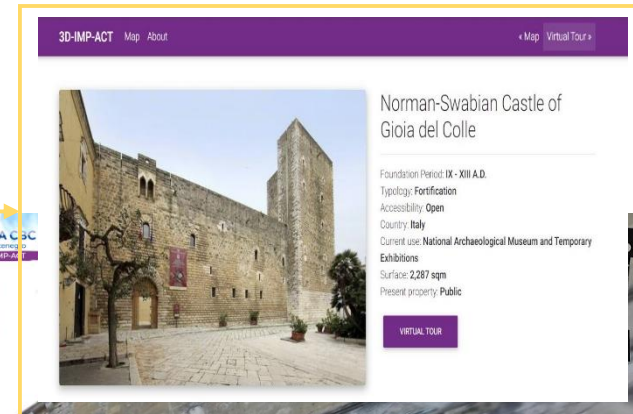
Click to view the degradation map

Click to go back to the scene

De' Rossi Tower
Norman-Swabian Castle of Gioia del Colle

Country: Italy
Period: XI-XII A.D.
Type: Tower

ARCHITECTURE DETAILS

In ancient times, the De' Rossi tower, located on the southwest corner of the castle, was composed of two main floors with fireplaces and covered by vaults with ogival arches and a thin frame on the perimeter adorned with a phytomorphic theme.

Norman-Swabian Castle of Gioia del Colle

Foundation Period: IX - XIII A.D.
Typology: Fortification
Accessibility: Open
Country: Italy
Current use: National Archaeological Museum and Temporary Exhibitions
Surface: 2,287 sqm
Present property: Public

VIRTUAL TOUR

Castle of Gioia del Colle (Apulia, Italy)

Through the highlights it is possible to view the data sheet of the reference architecture

From Castle of Gioia del Colle to Castle of Bashtova

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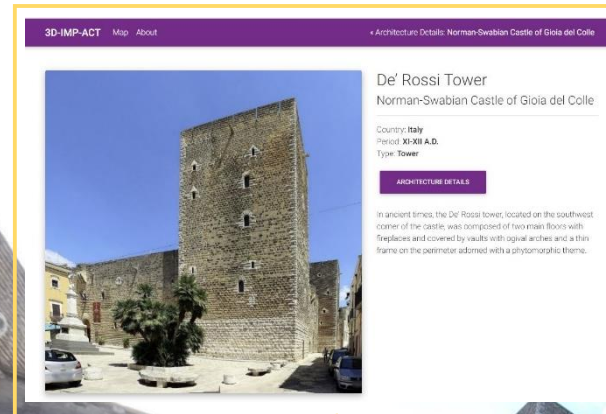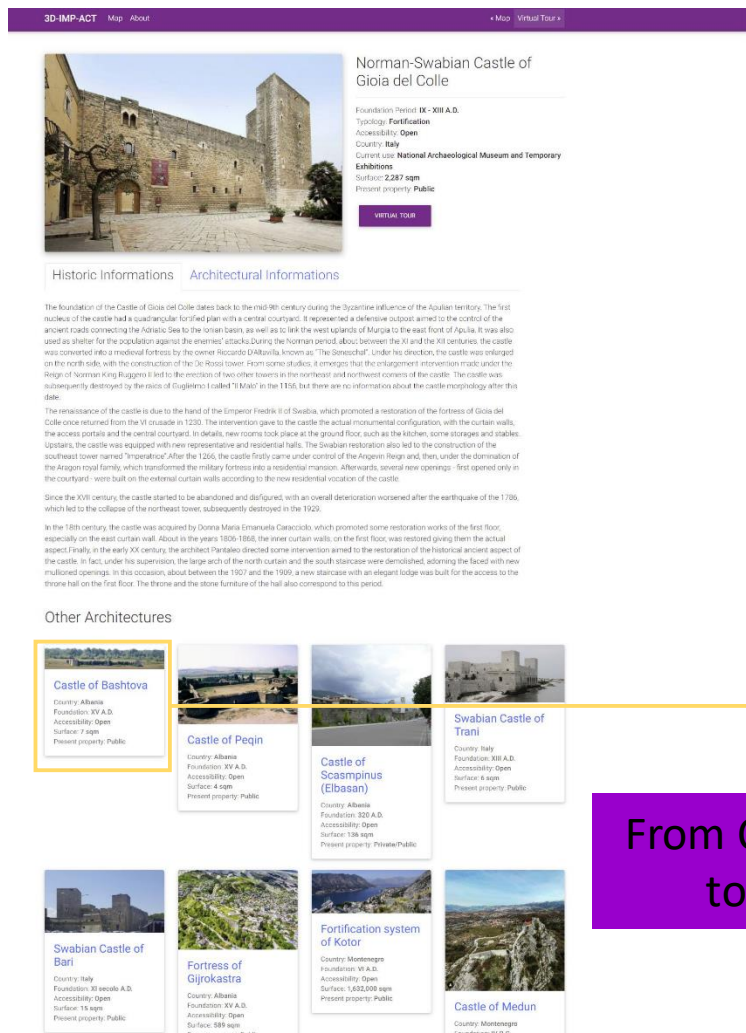SMART MANAGEMENT AND Touristic DEVELOPMENT

VIRTUAL TOUR
Castle of Bashtova

Click to move to another scene

Click to know the site position

Click to view the map

Click to know the history

Click to view the highlight

Click to view the 3D model
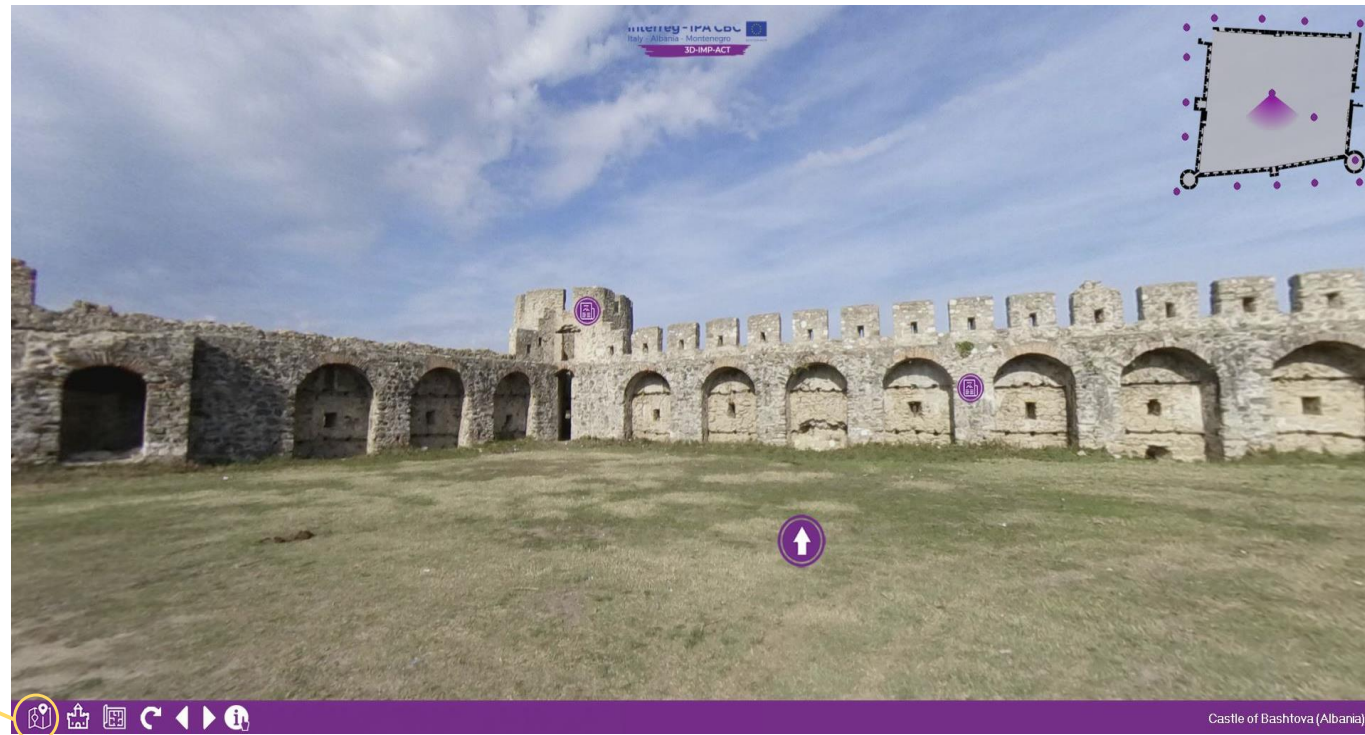
Click to view the degradation map

Click to go back to the scene

Castle of Bashtova (Albania)

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VR

- Click to move to another scene
- Click to know the site position
- Click to view the map
- Click to know the history
- Click to view the highlight
- Click to view the 3D model
- Click to view the degradation map
- Click to go back to the scene

The Castle of Bashtova
Map of the site

Castle of Bashtova (Albania)

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TERRITORIAL Attractiveness, Cultural HERITAGE,
SMART MANAGEMENT AND Touristic DEVELOPMENT

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XV Century

XXI Century

Click to move to another scene

Click to know the site position

Click to view the map

Click to know the history

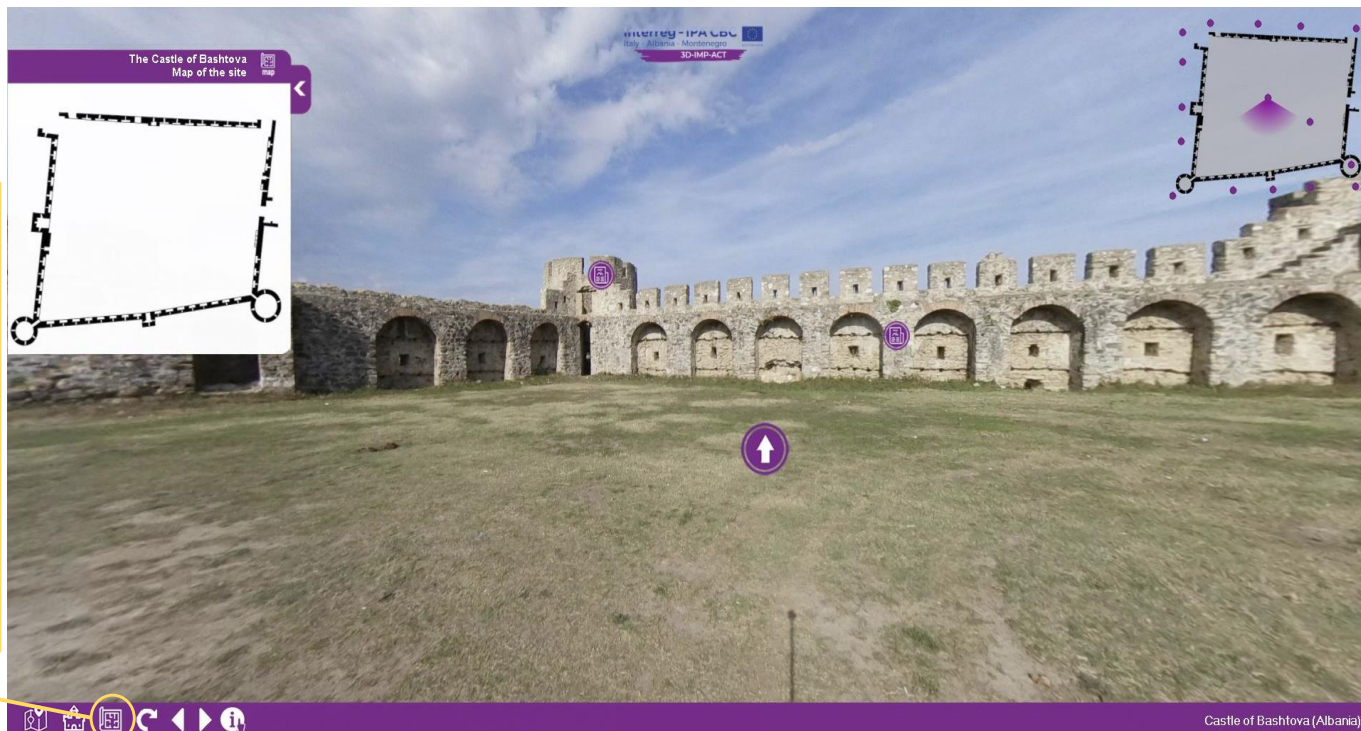Click to view the highlight

Click to view the 3D model

Click to view the degradation map

Click to go back to the scene

Castle of Bashtova (Albania)

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Click to move to another scene
Click to know the site position
Click to view the map
Click to know the history
Click to view the highlight
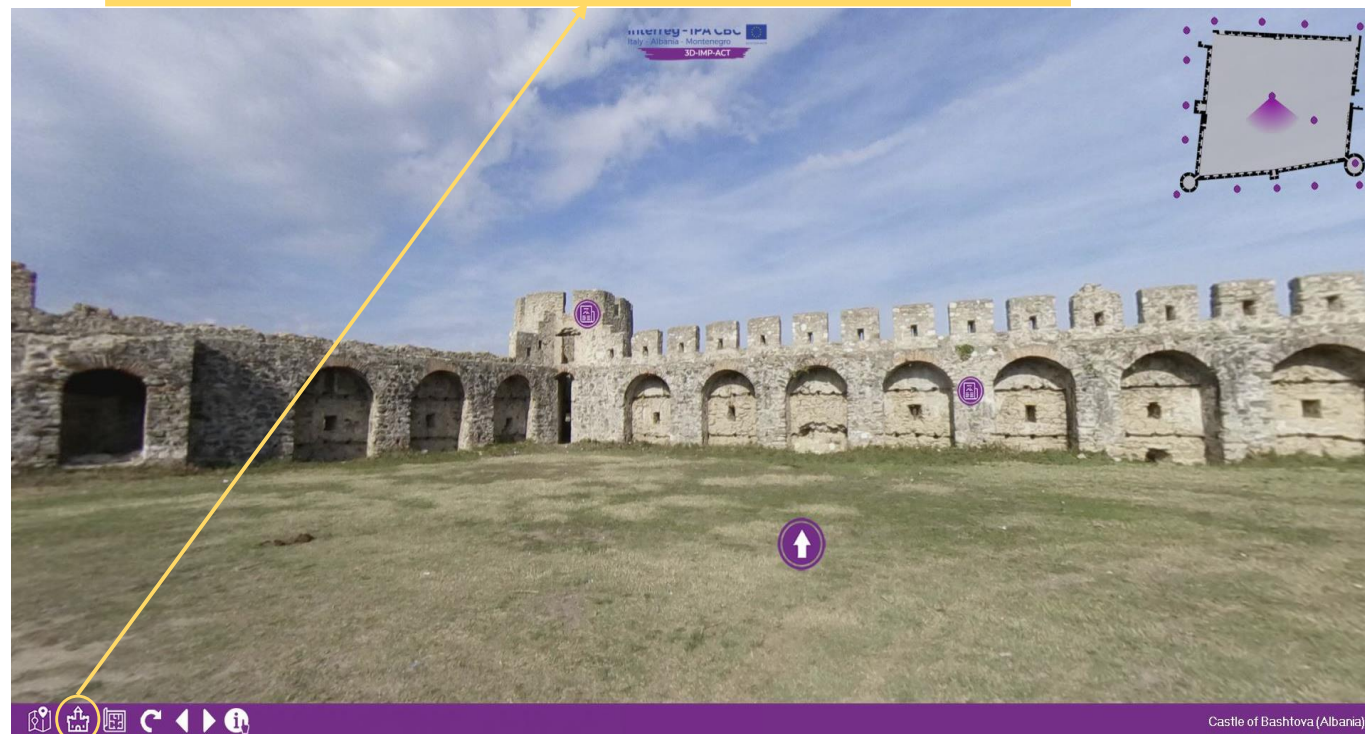Click to view the 3D model
Click to view the degradation map
Click to go back to the scene

3D-IMP-ACT   Map   About   « Architecture Details: Castle of Bashtova

oltaxhacka

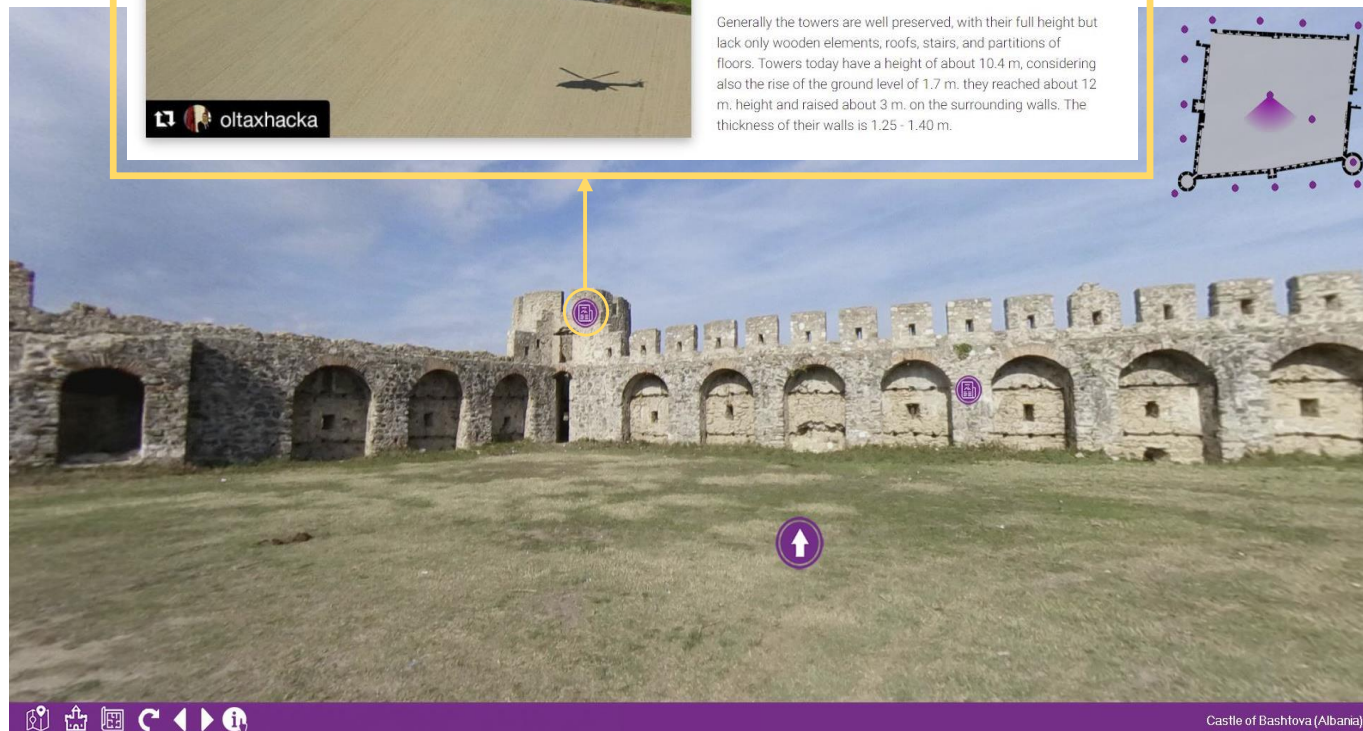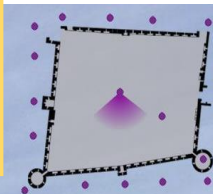Tower I-II-III-IV-V and VI
Castle of Bashtova

Country: Albania
Period: XV A.D.
Type: Tower

ARCHITECTURE DETAILS

Generally the towers are well preserved, with their full height but lack only wooden elements, roofs, stairs, and partitions of floors. Towers today have a height of about 10.4 m, considering also the rise of the ground level of 1.7 m. they reached about 12 m. height and raised about 3 m. on the surrounding walls. The thickness of their walls is 1.25 - 1.40 m.

Castle of Bashtova (Albania)

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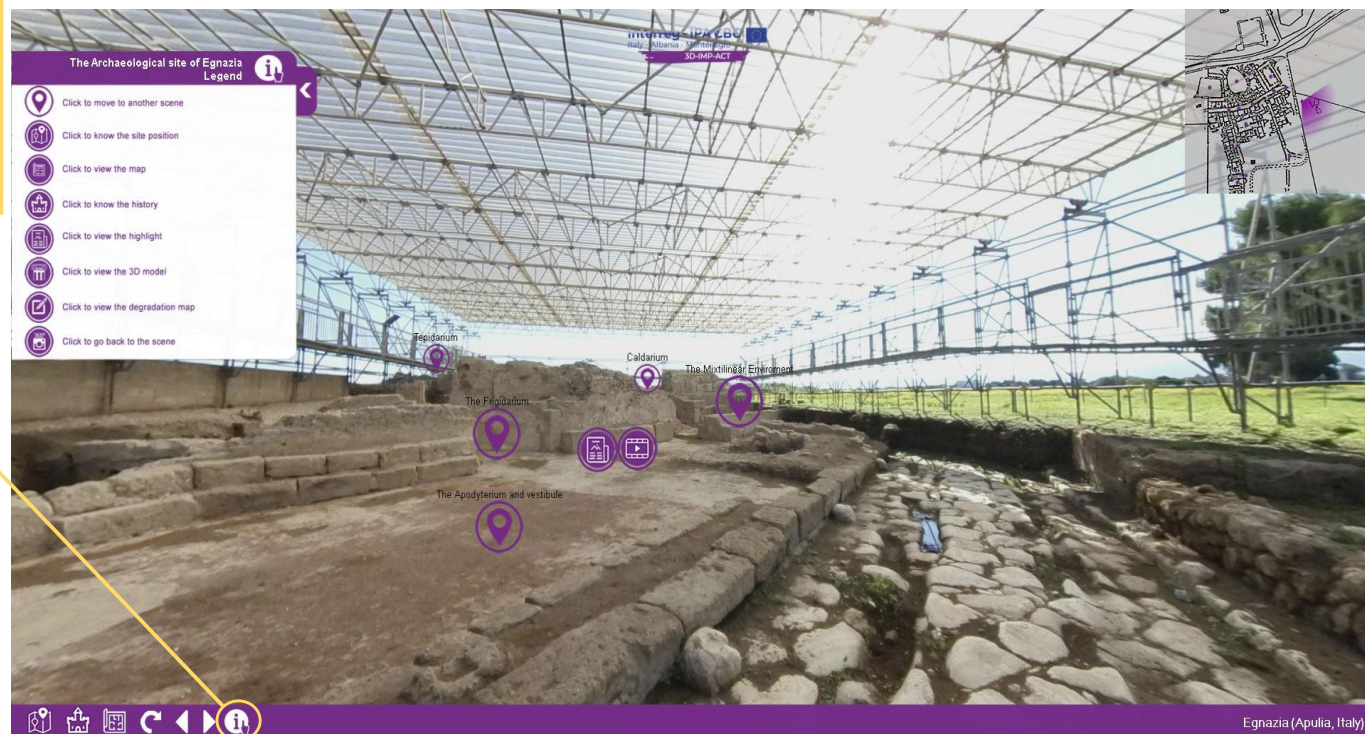# VIRTUAL TOUR
Archaeological Site of Egnazia

Click to move to another scene
Click to know the site position
Click to view the map
Click to know the history
Click to view the highlight
Click to view the 3D model
Click to view the degradation map
Click to go back to the scene

The Archaeological site of Egnazia
Legend

Click to move to another scene
Click to know the site position
Click to view the map
Click to know the history
Click to view the highlight
Click to view the 3D model
Click to view the degradation map
Click to go back to the scene

Tepidarium
Caldarium
The Mixtilinear Enviroment
The Frigidarium
The Apodyterium and vestibule

Egnazia (Apulia, Italy)

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VR

Click to move to another scene

Click to know the site position

Click to view the map

Click to know the history

Click to view the highlight

Click to view the 3D model

Click to view the degradation map

Click to go back to the scene

Tepidarium

Caldarium

The Mixtilinear Environment

The Frigidarium

The Apodyterium and vestibule

Egnazia (Apulia, Italy)

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Click to move to another scene

Click to know the site position

Click to view the map

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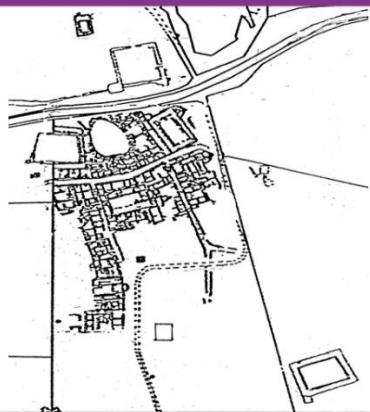Click to view the highlight

Click to view the 3D model

Click to view the degradation map

Click to go back to the scene

The Archaeological site of Egnazia
Map of the site
map

The Archaeological site of Egnazia
Map of the site
map

Tepidarium

Caldarium

The Mixtilinear Environment

The Frigidarium

The Apodyterium and vestibule

Egnazia (Apulia, Italy)

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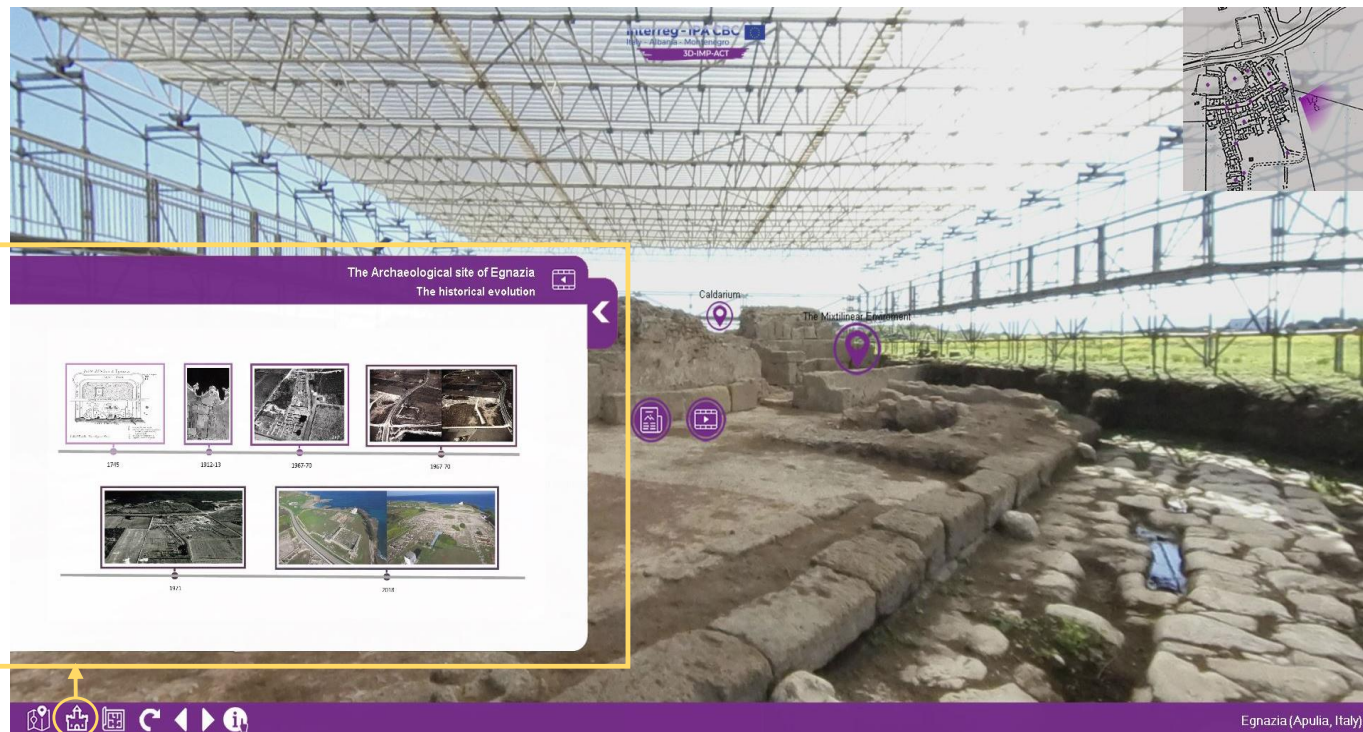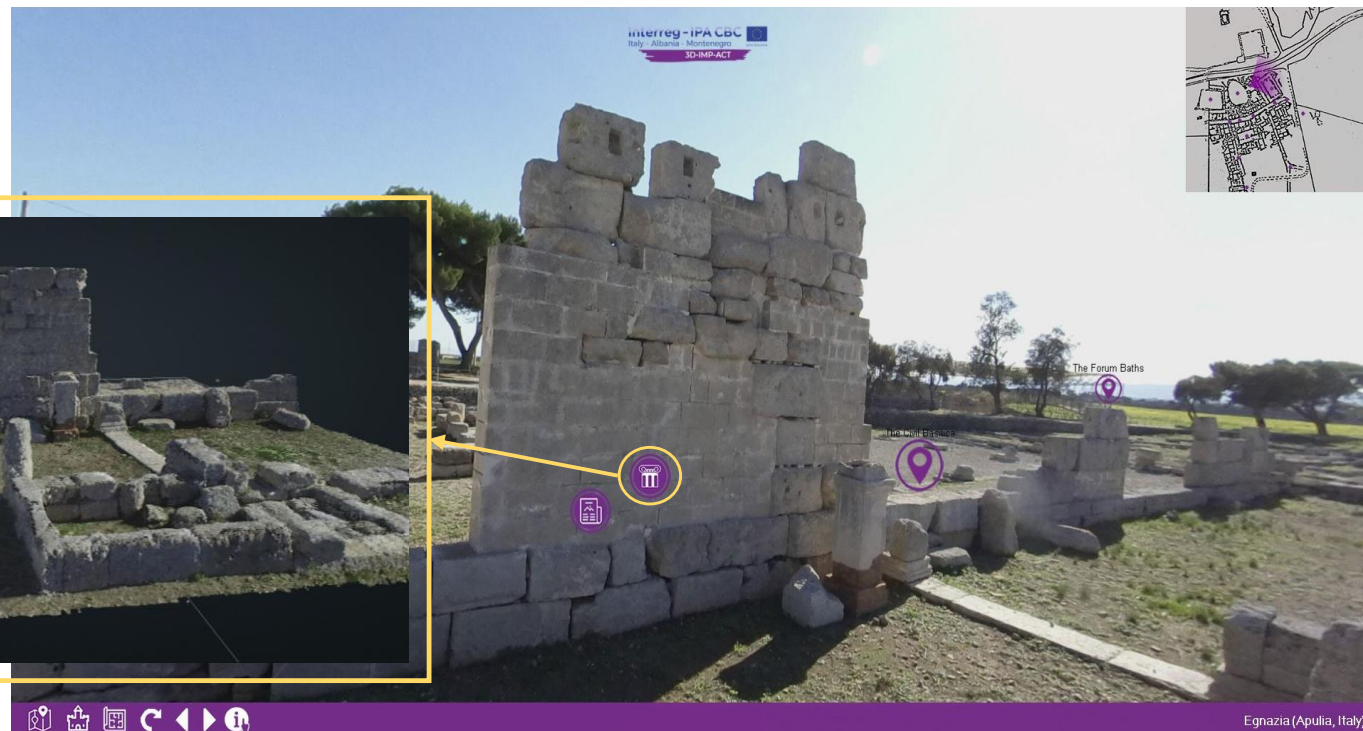
Click to know the history

Click to view the highlight

Click to view the 3D model

Click to view the degradation map

Click to go back to the scene

The Archaeological site of Egnazia
The historical evolution

Caldarium

The Mixtilinear Environment

Egnazia (Apulia, Italy)

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- Click to move to another scene
- Click to know the site position
- Click to view the map
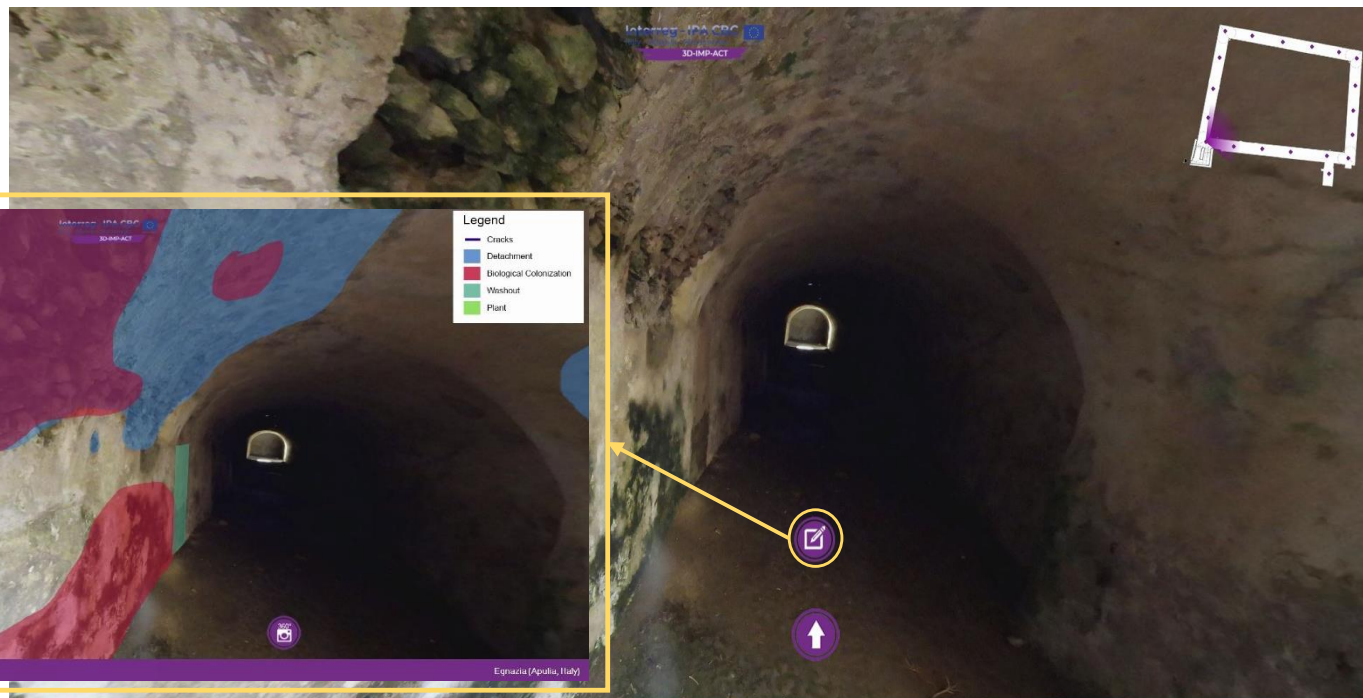- Click to know the history
- Click to view the highlight
- Click to view the 3D model
- Click to view the degradation map
- Click to go back to the scene

The Forum Baths

Egnazia (Apulia, Italy)

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Click to move to another scene
Click to know the site position
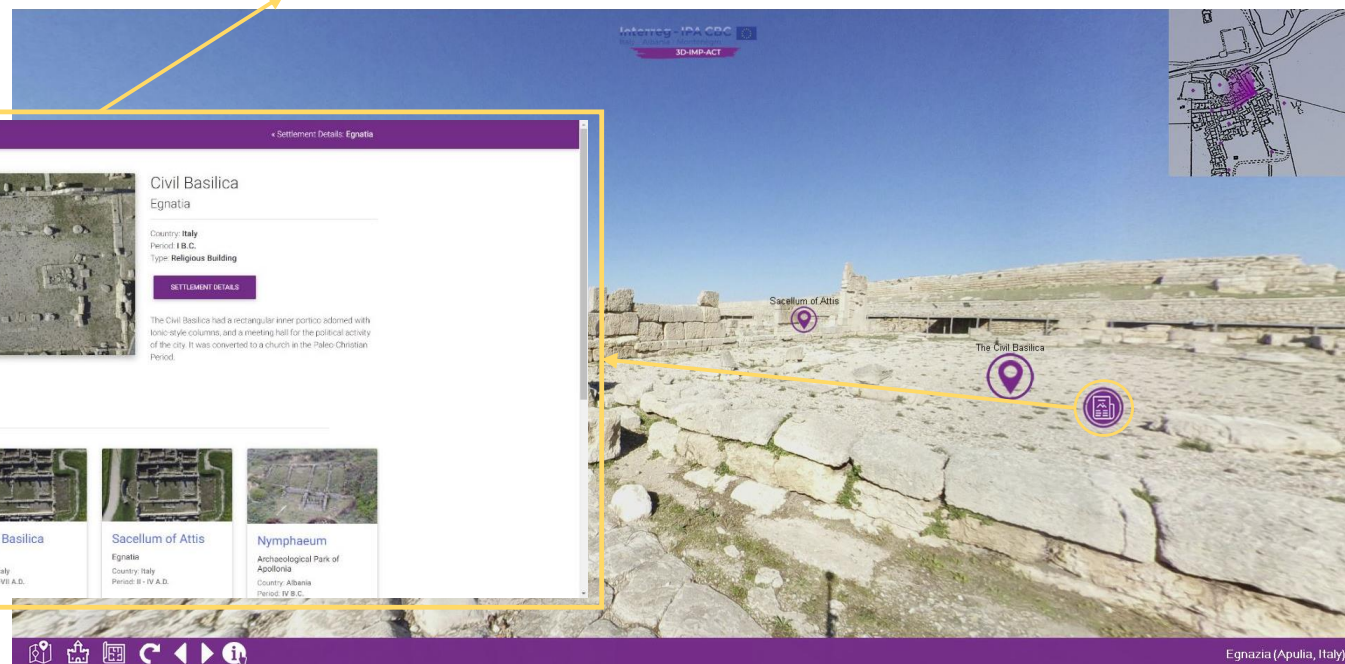Click to view the map
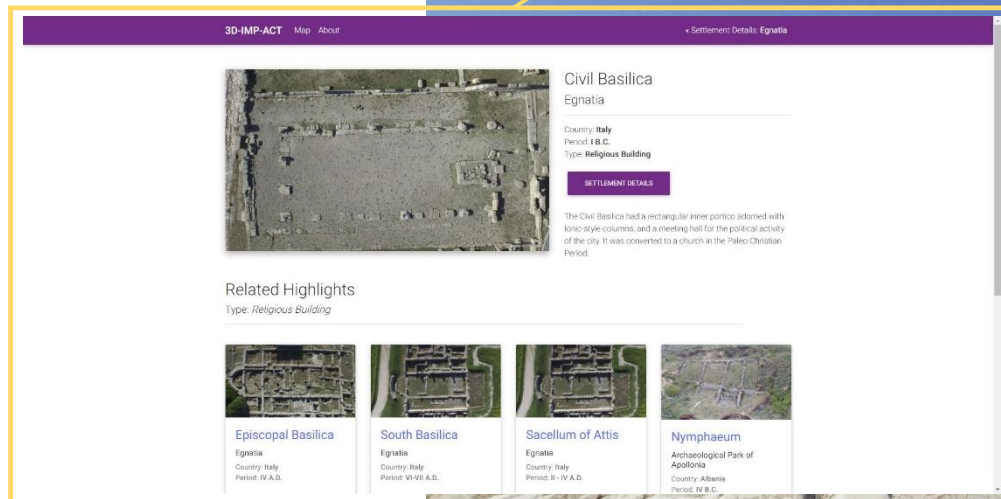Click to know the history
Click to view the highlight
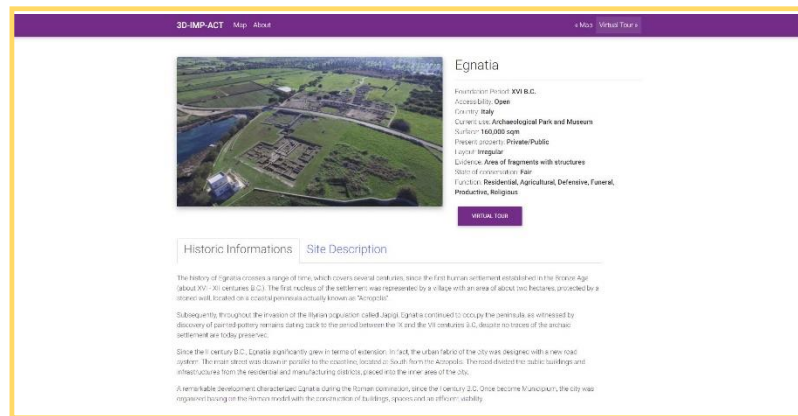Click to view the 3D model
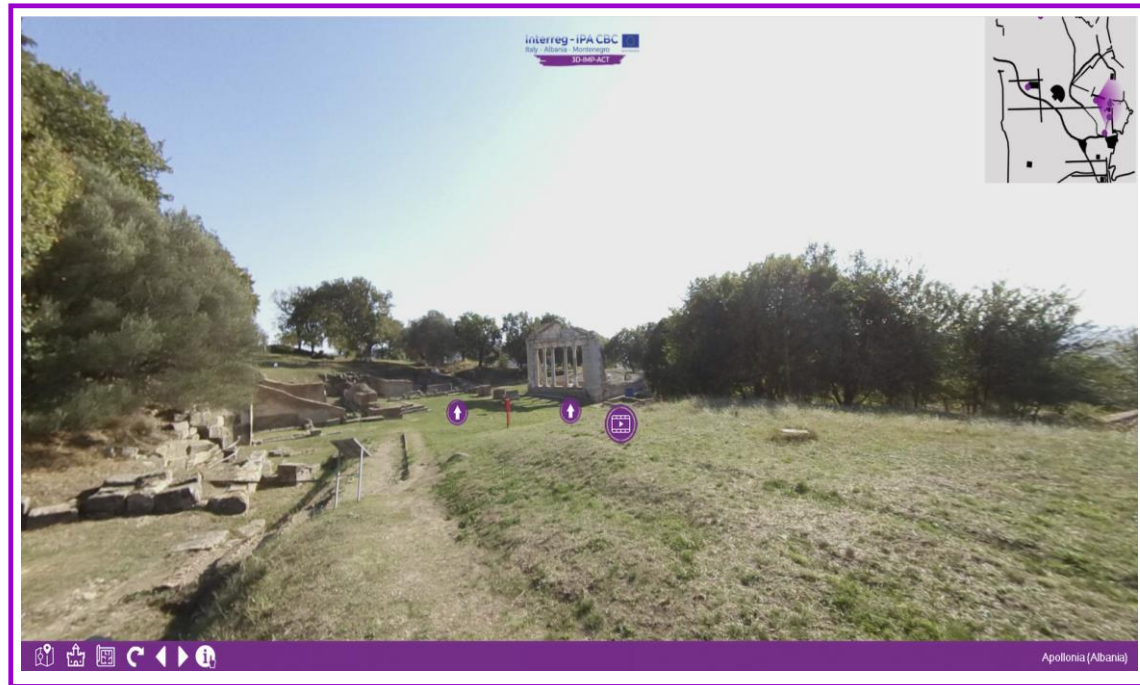Click to view the degradation map
Click to go back to the scene

Legend
— Cracks
Detachment
Biological Colonization
Washout
Plant

Egnazia (Apulia, Italy)

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- Click to view the 3D model
- Click to view the degradation map
- Click to go back to the scene

Egnatia

Civil Basilica
Egnatia

Related Highlights
Type: Religious Building

Episcopal Basilica — Egnatia — Country: Italy — Period: IV A.D.
South Basilica — Egnatia — Country: Italy — Period: VI-VII A.D.
Sacellum of Attis — Egnatia — Country: Italy — Period: II - IV A.D.
Nymphaeum — Archaeological Park of Apollonia — Country: Albania — Period: IV B.C.

Egnazia (Apulia, Italy)

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From Egnazia to Apollonia

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Click to view the map

Click to know the history

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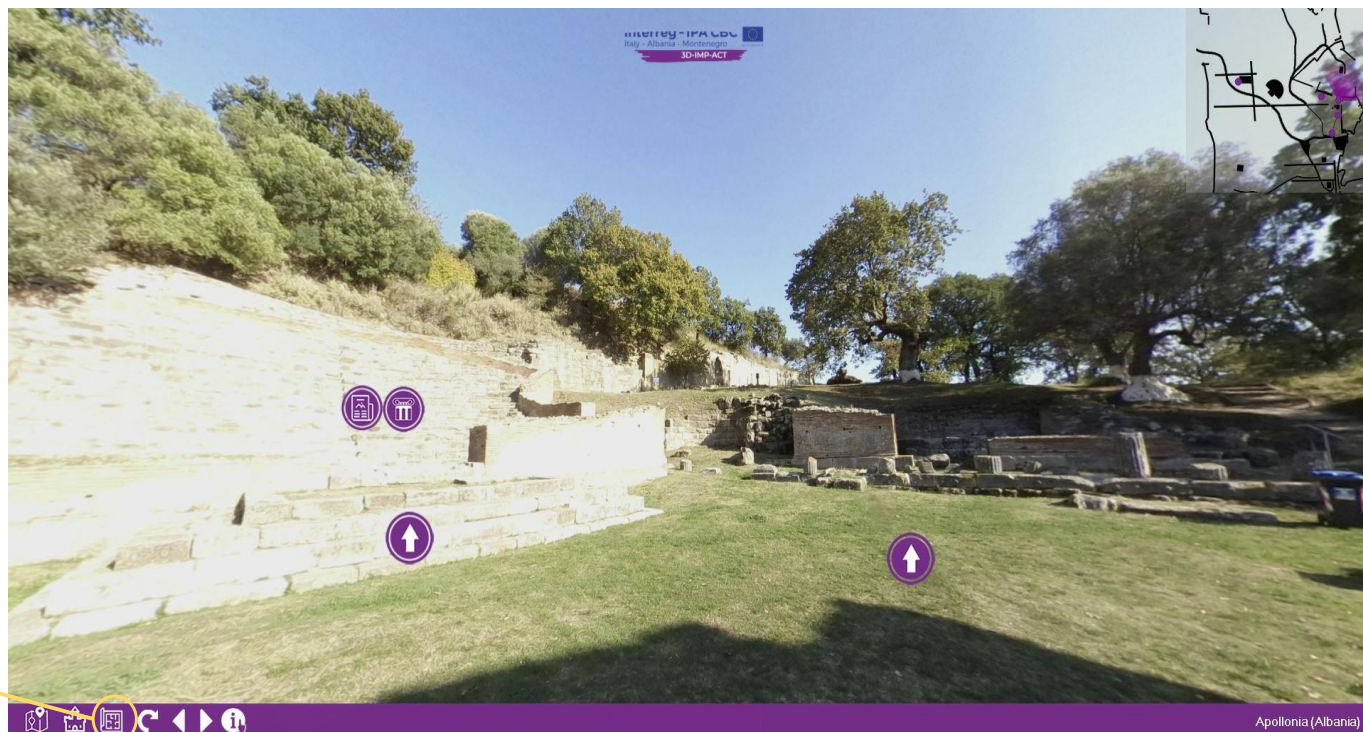
Click to view the 3D model

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VIRTUAL TOUR
Archaeological Park of Apollonia

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Apollonia (Albania)

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Click to view the map
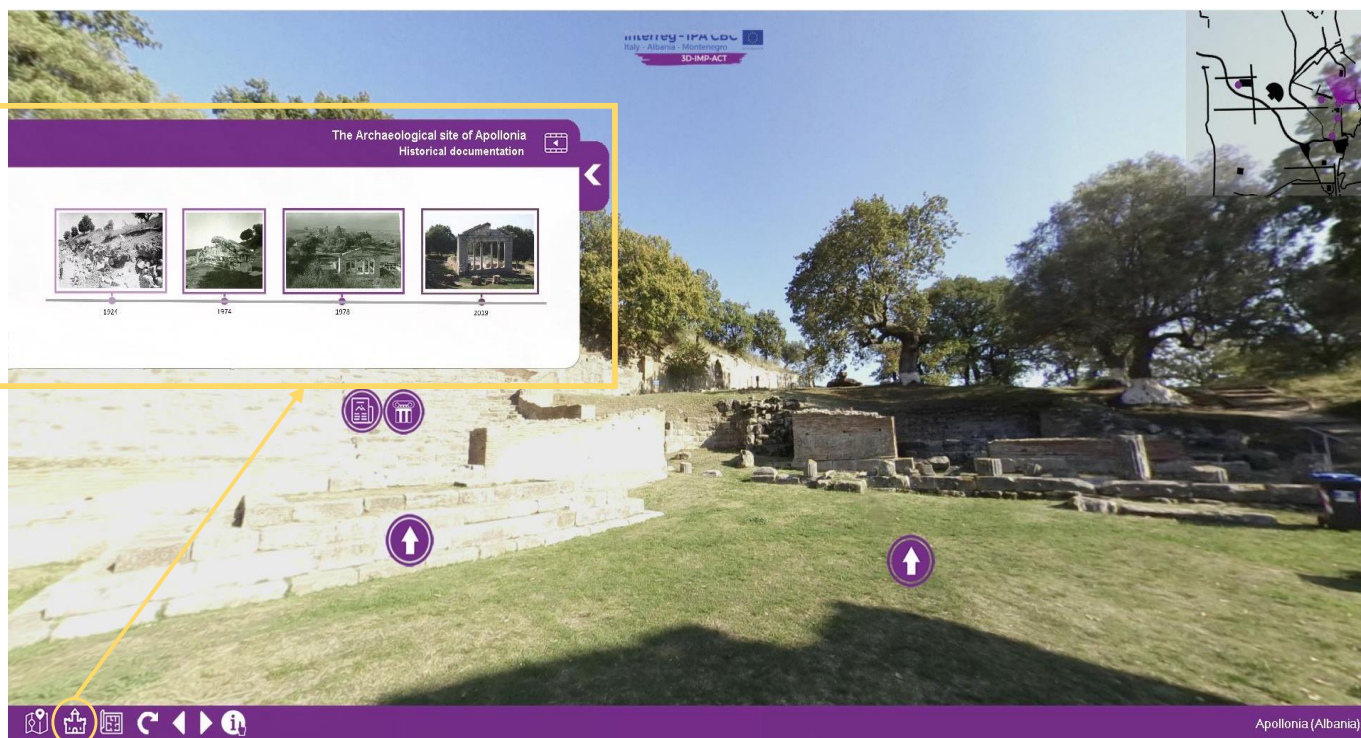
Click to know the history

Click to view the highlight

Click to view the 3D model

Click to view the degradation map

Click to go back to the scene

The Archaeological site of Apollonia
Map of the site

map

Apollonia (Albania)

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VR

Click to move to another scene

Click to know the site position

Click to view the map
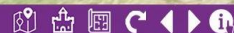
Click to know the history

Click to view the highlight

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The Archaeological site of Apollonia
Historical documentation

1921   1974   1978   2019

Apollonia (Albania)

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- Click to know the site position
- Click to view the map
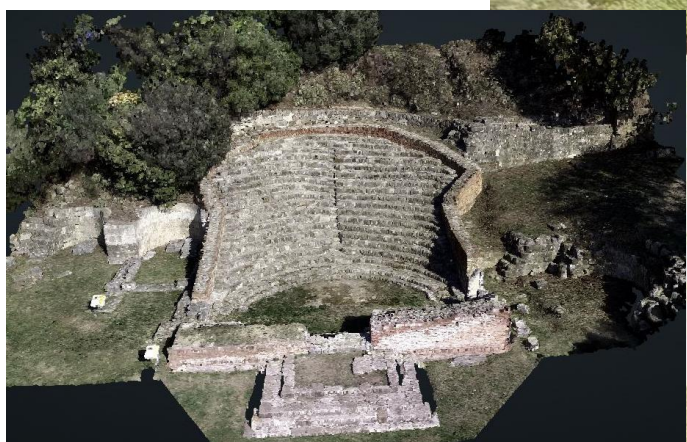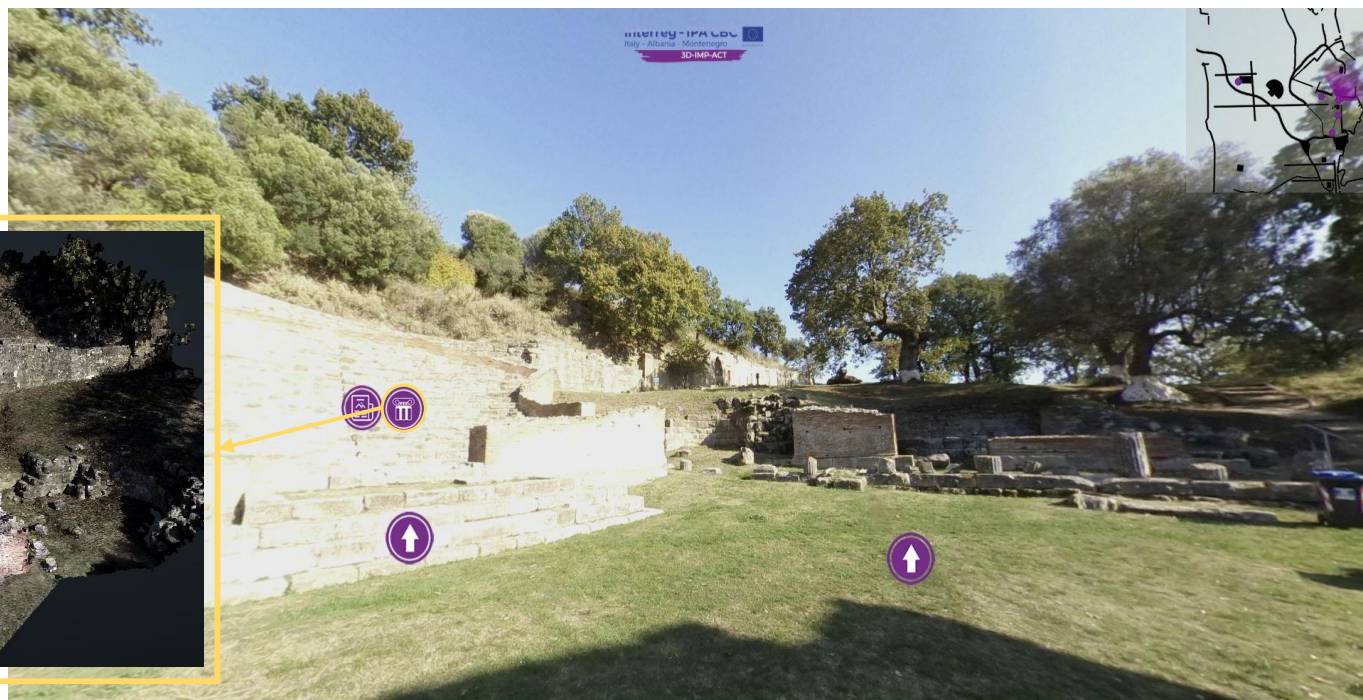- Click to know the history
- Click to view the highlight
- Click to view the 3D model
- Click to view the degradation map
- Click to go back to the scene

Apollonia (Albania)

POLITECNICO di Bari

POLO MUSEALE DELLA PUGLIA

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3D-IMP-ACT

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

VR

Click to move to another scene

Click to know the site position

Click to view the map

Click to know the history

Click to view the highlight

Click to view the 3D model

Click to view the degradation map

Click to go back to the scene

3D-IMP-ACT   Map   About   « Settlement Details: Archaeological Park of Apollonia
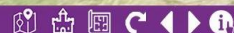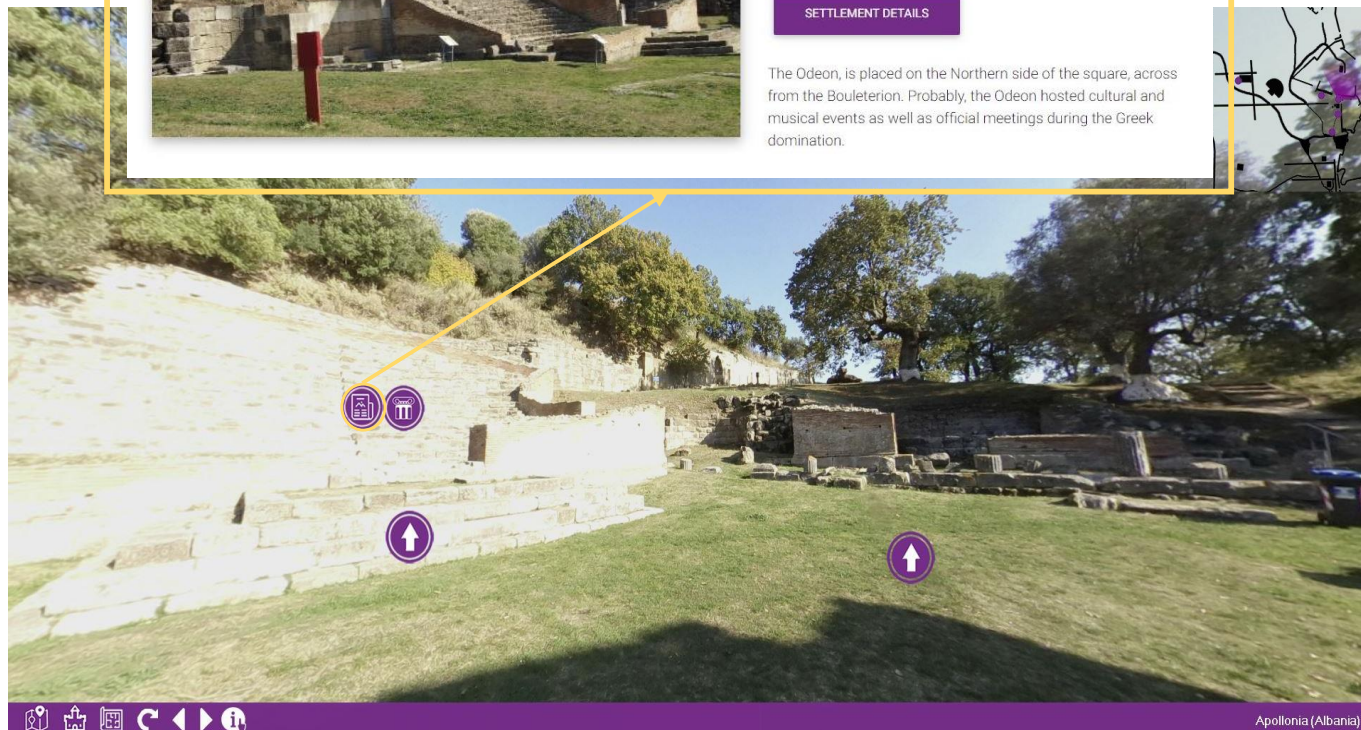
Odeon
Archaeological Park of Apollonia

Country: **Albania**
Period: **II A.D.**
Type: **Amphitheatre**

SETTLEMENT DETAILS

The Odeon, is placed on the Northern side of the square, across from the Bouleterion. Probably, the Odeon hosted cultural and musical events as well as official meetings during the Greek domination.

Apollonia (Albania)