



X-Team International Centre for Cultural Heritage Security (ICHS)

A training and educational corridor
for the protection and security of
cultural heritage

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**Crimes against
Cultural Heritage**

**Crimes against
Mankind**



Crimes against Cultural Heritage, crimes against Mankind



Cultural genocide

Cultural Heritage under attack
as symbol of identity



Illicit trafficking of art pieces

(also to fund terrorism)



Loss of human capital and stop of training cycles

slowing down recovery and
reconstruction of Countries at
war



Resolution November 2015

by the European Parliament

Quick response needed



Destruction of CH as a cultural challenge



Military garrison and International Specialists' Missions

are not enough!



We need training of *local* experts, know-how transfer and *capacity building*

- ▶ Training corridors, also completing the processes that were stopped because of the war
- ▶ Multi-disciplinary training oriented to the integration of competences
- ▶ Large number of experts, since the challenge require *on-ground* capacity
- ▶ New *value-added service supply chains* in the field of CH

X-Team aims at creating **competence corridors** and **cultural bridges** for the sake of making the Mediterranean Sea “capable of future”



ICHS-Team: the Partners

ICHS-Team is an initiative by:



**POLITECNICO
DI TORINO**



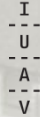
Istituto Superiore sui
Sistemi Territoriali per l'Innovazione



CITTA' DI TORINO



Università
Ca' Foscari
Venezia



Università Iuav
di Venezia



**Thanks to funds by Piedmont Region (Italy) in the ancient monastery
of Santa Croce di Bosco Marengo (Italy) the
International Centre for the Security of Cultural Heritage is being set up**

Re-HOME 4 STUDENTS

Re-HOME 4 STUDENTS

is a Program launched by the Politecnico di Torino to help young refugees and asylum seekers achieve their educational goal through a facilitate access to higher education

RE-HOME 4 ASYLUM SEEKING STUDENTS

RE-HOME 4 REFUGEE STUDENTS



ICHS-Team: the Objectives (I)

A

Training of technical experts in the field of security of CH against **man-made threats** (terrorism, vandalism, thefts) and **natural disasters** (floods, earthquakes)

Who will be trained:

- ▶ **Students** and **researchers** from the Countries at war, with special attention to young people who were forced to stop their university path
- ▶ **Civil servants in the field of CH** : museums, archaeological parks, restoration centres, etc.)

Characteristics of the course:

- ▶ **8 months** , in Bosco Marengo, Torino e Venezia
- ▶ **Expected learning outcomes** are expressed through European Dublin descriptors

ICHS-Team: the Objectives (II)

1 Admission requirements

- ▶ First Level Degree in Architecture, Engineering, Archaeology, Art history, Conservation and Restoration, Chemistry, Archival Science

2 Educational Objectives

- ▶ Supporting first aid to cultural in complex emergencies
- ▶ Supporting mitigation measures
- ▶ Increase the level of security of sites, museums, monuments
- ▶ Supporting of recovering, storing and transporting of objects/art pieces (safety actions, **no restoration**)
- ▶ Cooperation with legal institution for contrast the illegal trade and trafficking

3 Knowledge and understanding

- ▶ Multi-disciplinary context, including security measures (technology and organization); 3D survey, 3D GIS; database/bigdata; first-aid to historic structures and cultural collections and post-crisis recovery, etc.

ICHS-Team: the Objectives (III)

4 Applying knowledge and understanding

- ▶ Security assessments
- ▶ Security policies
- ▶ Structured georeferenced database
- ▶ International standards (INSPIRE, ...)
- ▶ 3D modelling, Augmented reality, rapid prototyping
- ▶ Diagnostics and monitoring
- ▶ Valorization of CH site
- ▶ Economic evaluation of the security interventions
- ▶ Prevention and mitigation measures
- ▶ Storing and transportation protocols during artworks recovery

5 Communications Skills

- ▶ **Work in teams**, according to a **multidisciplinary approach**
- ▶ Communicate successfully with the various actors involved
- ▶ Mediation and negotiation skills
- ▶ Respect for different cultures

ICHS-Team: the Objectives (IV)

B

International Teams

- ▶ Composed by the people trained during the 8-months course
- ▶ “ **Field Operational Teams** ” (FOPETs)
- ▶ FOPETs implement the competencies provided in the course
- ▶ FOPETs are a **local** scientific+technical+operational capacity, *that can be used also to help international teams like Blue Shields or Blue Helmet for Culture*

ICHS-Team: some services



Security assessment of sites, archaeological areas, museums, exhibitions with respect to manmade threats (terrorism, vandalism, etc.)



Prevention and mitigation measures with respect to vulnerabilities identified in security assessment



Security policy for sites, museums and exhibitions



Security policies for tourism (resorts, guided tours)



Database of artworks and objects to reduce the risk of illicit trafficking

ICHS-Team: some services



Training

for security forces and for management&technical personnel



Criteria for **secure&safe storing of artworks after recovering**

to prevent further attacks and thefts, and to enable good conservation



Criteria for **secure&safe transportation of artworks**

in case of recovery and sending to restoration centres



3D virtual reality rendering of monuments and sites

to remind the status “*before attacks*” and to enable a didactic reconstruction and memory



Capacity building outside the EU

including the **creation of new companies** active in the field of security

ICHS-Team: the Objectives (VI)

C

Creation of **local new companies**, called **Satellite Centres**

- ▶ They are **catalysts for development and capacity building**
- ▶ They are near the Countries at war (e.g. **Lebanon** , **Jordan**) or in Countries whose CH is threatened (e.g. **Egypt** , **Tunisia**)
- ▶ No Profit coordination unit in Italy
- ▶ **FOPETs are managed through the Satellite Centres**
 - New jobs
 - *Capacity building*
 - Innovative service supply chains for the security of CH
 - Cultural bridges for dialogue and cooperation

ICHS-Team in a nutshell



Training & Capacity Building


Training and Educational Corridors



Coming back home with dignity

*Cultural Heritage-centric vision for
the Renaissance of the Middle East*





“Education is the most powerful
weapon which you can use to
change the world”

Nelson Mandela
“Lighting your way to a better future”
speech at launch of Mindset Network
(2003)