

**#blockchain4people**



**The blockchain  
technology in the  
education sector**

**Luca Lantero**

# International context



## Paris Communiqué (EHEA):

*«We also urge the adoption of transparent procedures for the recognition of qualifications, prior learning and study periods, supported by interoperable digital solutions».*

## Council recommendation on the Automatic Mutual Recognition of Diplomas and learning periods abroad (European Council):

*«Hereby welcomes the Commission's intention to:*

*[...]*

*Explore , in cooperation with Member States, the potential of new technologies, such as blockchain technology, to facilitate automatic mutual recognition».*

## Global Convention on the Recognition of Qualifications concerning Higher Education (UNESCO):

*«SECTION III. BASIC PRINCIPLES FOR THE RECOGNITION OF QUALIFICATIONS CONCERNING HIGHER EDUCATION*







*Article III [...]*

*8. Parties commit to adopt measures to eradicate all forms of fraudulent practices regarding higher education qualifications by encouraging the use of contemporary technologies and networking activities among Parties».*

## Where we started...



## Credential evaluation needs

-  Be sure that a **qualification is authentic** and awarded to a single person by an authorised **competent authority**
-  Ensure the possibility to **share our evaluation report** to other institutions in safe, open and transparent way
-  **Simplify the access** to courses of study and job opportunities to people
-  **Simplify the comprehension of a qualification** by the receiving institution/employer
-  Increase a **system of trust** among awarding institutions
-  Be in line with **international processes** and **technological advances**



# Blockchain-based qualification service



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Thanks to the «**diplome**» service, we made available a "Wallet" for people, where it is possible to store certified qualifications using blockchain technology, creating a **decentralized, transparent, certified, and unchangeable** qualification management system.

The **qualifications are uploaded directly into the «Wallet» by the certification bodies** (universities, ENIC-NARIC centres, national administrations, etc.) using **blockchain** technology to allow **secure sharing of data, respecting privacy**: the **holder of the qualification is the only owner of the information** and of the cryptographic key that allows access to the saved data, though a mechanism fully compliant with the principles expressed by the *General Data Protection Regulation (GDPR)*.

## The *diplome* service



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01

## Students

Students of any degree can store their qualifications within their portable, secure, personal space enabling easy movement

02

## Professionals

Any professional of any type as physicians, nurses, lawyers can keep their continuous professional history

03

## Experts

Experts can keep track of their expertise with a undeniable catalogue of certified capabilities

04

## Qualified workers

Qualified workers can keep alternating work and studies facilitating their recovery of working places

05

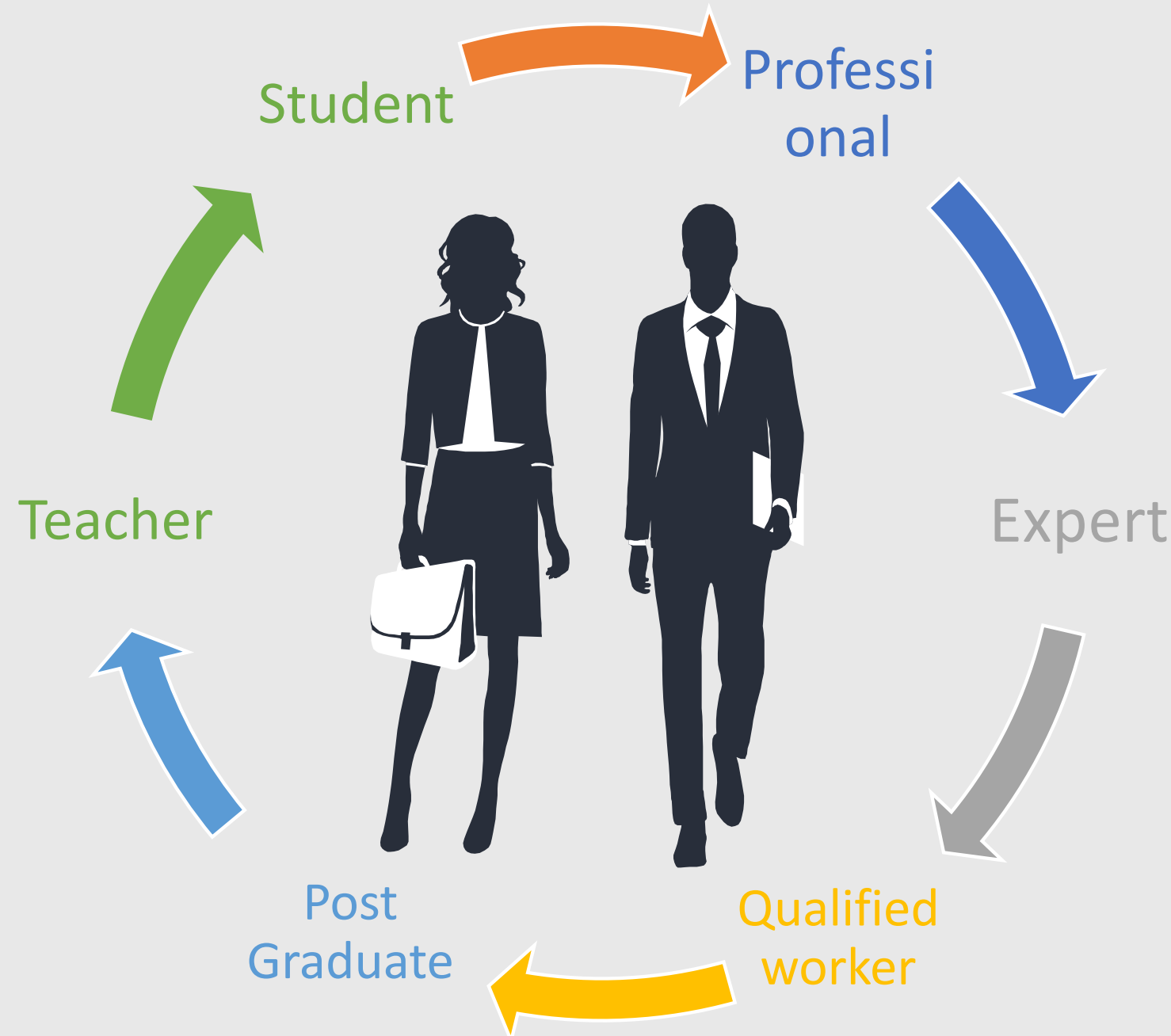
## Post Graduate

All researches, papers and publications can also be stored within the wallet guaranteeing notarization and proof of ownership

03

## Teachers

Teachers can keep track of their courses and extra qualifications



- ✓ *Diplome* is a service oriented to users: the wallet is portable as any user will own only a **SINGLE** wallet where to store his titles whatever number of accounts he may have in different qualification institutions.
- ✓ Universities or other institutions will join *Diplome* **without any change in their existing technologies**
- ✓ Any institution will join *Diplome* through an official and certified process: only after they will receive an ‘institution wallet’ and will be able to add qualifications to user wallets
- ✓ “*Diplome*” is the network of wallets plus the governance model that makes the service reliable and effective

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The system implements a **global network open to:**



**International organisations and processes:** use a transparent and free of charge system to develop policy goals in the field of digitalisation and automatic recognition



**higher education institutions:** use the ecosystem in all the phases of the academic career (enrolment, study programme, to register the exams taken and the corresponding marks, awarding phase, when the final qualification is registered in blockchain);



**stakeholders awarding non academic qualifications:** certificates attesting a new training programme can be uploaded in the student's wallet;



**cross certification authorities:** stakeholders assessing qualifications, such as an ENIC-NARIC, can provide information about transparency, authenticity, understanding and comparability of qualifications at international level directly in blockchain.



**professional certification authorities:** issuing professional credentials designed to help professionals enhance their job performance and marketability in their respective fields.

## The *diplome* eco-system



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- Diplome is **citizen-oriented**
- Diplome is **free of charge**
- Diplome is based on **open technologies**
- Diplome **does not force organizations to a specific technology** but adapts to the existing
- Diplome **does not control user identity** but is open to any external identity system
- Diplome is **fully compliant with all metadata included in already existing Bologna and EU instruments** (Europass documents, Diploma Supplement, etc.)

## The diplome concept



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# Data privacy and Data protection



## Data minimization

The only data saved within the blockchain structure are the **key metadata required to provide trusted information** about the education subject.

## Accuracy & Quality

All data come from entitled Certification Authorities or the user itself. **The signature of the source of the data is saved within the data structure itself.**

## Disclosure limitation

All data related to any user is in his full control and only the user itself can give access rights to such data.

## Openness and Portability

Full Right to Data Portability to Diplome users: open-standard and language-independent JSON format, **compatibility is guaranteed** to any modern IT system.

## Information security

Once data is saved within the chain, it becomes **temper resistant (immutable)** and any modification becomes impossible also for system administrators.

# Underlying technology



Diplome's actually utilize a standard Ethereum blockchain and can run on any ethereum-based variants. The launch of *diplome* will happen on a Quorum implementation (Alastria).

Diplome's building blocks are:

## **User's Wallet**

Diplome's user wallet is composed by a standard user blockchain address/account and one or more smart contracts each handling one or more qualifications. There can be more smart contracts as each of them can handle qualifications based on a pre-defined Profile: there are therefore up to 3 smart contract types even though the structure can be extended in future following further models.

## **Organization's Wallet**

An organization issuing a qualification must hold a blockchain address/account connected to an Org-SmartContract with specific characteristics required to identify the organization and its permission types. Only an Org-SmartContract can add a qualification in a user's wallet.

## **Diplome's Oracle**

One of the key governance processes of *diplome* is the one that allows external and independent verification if an entity is a certified authority in *diplome's* ecosystem. Anyone can query *diplome's* oracle to verify if a specific organization is part of *diplome's* network



# Qualification process

A



Qualification

User request entity to load qualification in his *diplome* wallet.

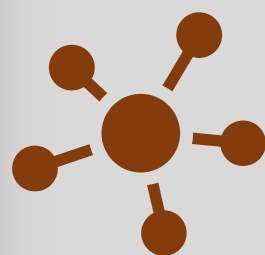
B



Organization

Organization loads metadata in org wallet, signed with its priv-key and user pub key.

C



*diplome*

Organization transfers metadata to user's wallet. Users wallet checks *diplome* oracle to verify organization status

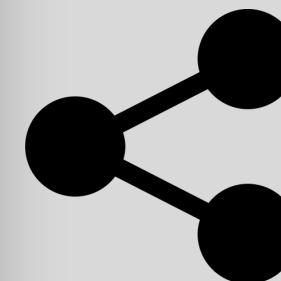
D



User

User can with ANY open tool check qualifications saved within *diplome*

E



User

User can share his qualification data with any external entity, in or outside *diplome*; entity can independently verify veridicity of qualification

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# My diplome web

## Add Certificate

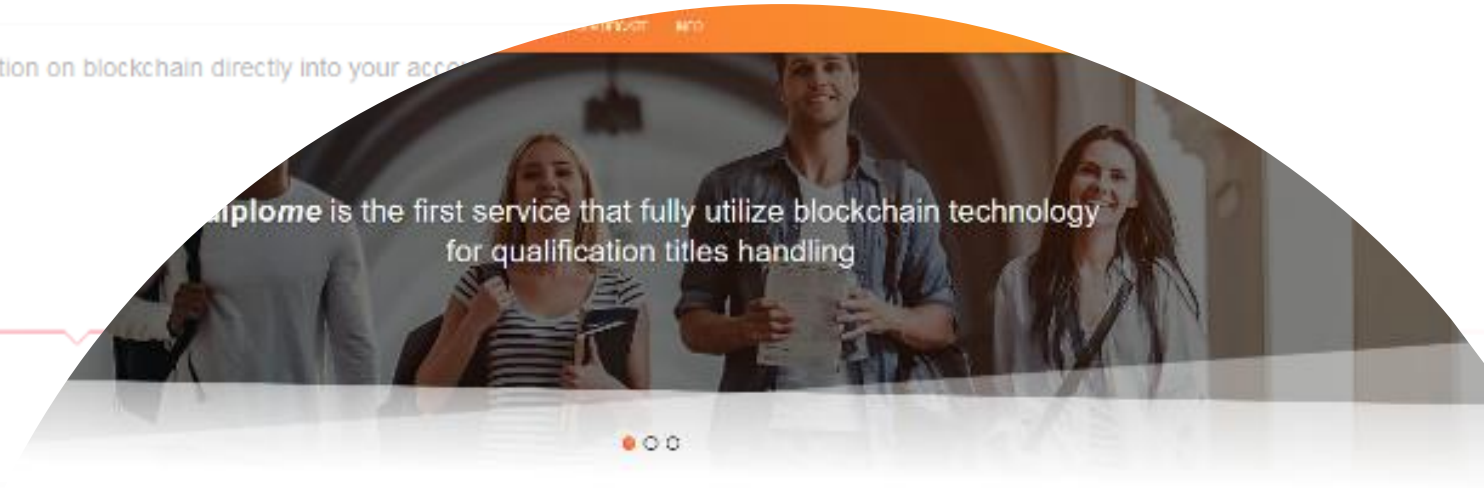
You can request from your university to publish your qualification on blockchain directly into your account **diplome** wallet to use this service.

Request to add your certificate

## Share Certificate

You can share your Certificates securely when you want and

Share your Certificate



**diplome** is the first service that fully utilize blockchain technology for qualification titles handling

## Absolute certification

DIPLOME. UNCHANGEABLE BLOCKCHAIN-BASED ACADEMIC QUALIFICATION MANAGEMENT SYSTEM



Create your own digital "wallet" of qualifications **free of charge**



The qualifications are uploaded using blockchain technology respecting your **security and privacy**



Thanks to your cryptographic key you can access to the saved data in compliance with **GDPR**



Your "wallet" allows direct verification of the **authenticity** of the qualification to institutions and employers

## My diplome

Your "wallet" allows direct verification of the authenticity of the qualification and documentation to authorized institutions and employers, as well as portability of the qualification digitally



You can create now your my **diplome** wallet for free.

Register now



Do you have already the wallet?

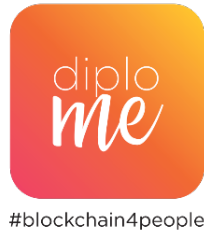
Login now

## Frequently Asked Questions

You've got a Question? We've got an answer.

## Terms and Conditions

By browsing, accessing or using this my **diplome** platform, you agree to be bound by our



# Diplomes' user wallet

With the **diplome** service, user can create own digital wallet of qualifications **free of charge**.

The wallet is portable as any user will own only a **SINGLE** wallet where to store his titles whatever number of accounts he may have in different qualification institutions.

Diplome wallet allows seamless sharing of the certification. Verification of the authenticity of shared qualification can be performed by receiving institutions or employers.

## MY WALLET

The diplome Wallet includes your unique address that identifies you, your Wallet address representing the space with all your certified qualifications, your unique private key that allows you to access to the diplome Wallet

### MY ADDRESS

0xc3e2fcb4aa5aeeb977c1275d501d406bd4a0d9f4

### MY PRIVATE KEY

0xc3e2fcb4aa5aeeb977c1275d501d406bd4a0d9f4

### MY ADDRESS

0xc3e2fcb4aa5aeeb977c1275d501d406bd4a0d9f4





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# Wallet features

- Login easily on any device
- Add Certificate  
User can request from any certification authority within the **diplome** ecosystem to publish his qualification or certificate on blockchain directly into his personal wallet.
- Share Certificate  
User can share his Certificates securely when he wants and with whom he likes directly from **diplome** wallet.



## Add Certificate

You can request from your university to publish your qualification on blockchain directly into your account. You should have your my **diplome** wallet to use this service.

Request to add your certificate

## Share Certificate

You can share your Certificates securely when you want and with who you like directly from your my **diplome** wallet.

Share your Certificate



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### Add Certificate

You can request from your university to publish your qualification on blockchain directly into your account. You should have your my **diplome** wallet to use this service.

Request to add your certificate

# My *diplome* APP

### Share Certificate

You can share your Certificates securely when you want and with who you like

Share your Certificate

*diplome* mobile users can have access to all necessary information at their fingertips.

Mobile App is available for iOS and Android devices.

### Frequently Asked Questions

You've got a Question? We've got the Answer! Browse our frequently asked questions

### Terms and Conditions

By browsing, accessing or using this my **diplome** platform, you agree to be bound by these Terms and Conditions







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# Organization's *diplome* wallet

Any institution will join Diplome through an official and certified process: only after they will receive an 'institution wallet' and will be able to add qualifications to user wallets





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diplo me is the first service that fully utilize blockchain technology for qualification titles handling

PARTNERS

HOME PAGE

LEARN MORE

FAQs

You still thinking why MyDiplome?

manage your own qualifications or certifications in a fully digital ecosystem

Absolute certification

no need to bring along paper copies or original documents

DIPLO ME : UNCHANGEABLE BLOCKCHAIN-BASED ACADEMIC

no need of certified translations when travelling abroad for business or study

To Certification Authorities

Are you official certification authority and would like to explore the possibility to provide ultimate solution for your students, to avoid frauds both during qualification verification and during the sharing process?

How it works:

- 1 Contact Diplome at the following email address [info@diplo-me.eu](mailto:info@diplo-me.eu)
- 2 You entity will be added as Certification Authority within Diplome ecosystem
- 3 Diplome will provide all assets required to operate your services.

Why:

- 1 No more frauds or fake certificates using the identity of your institution
- 2 No more need of issuing entity verification when receiving certificate
- 3 The digital data can be processed with an automated system, no more manual verification

# My diplome Partners platform



Create your own digital "wallet" of qualifications free of charge



The qualifications are uploaded using blockchain technology respecting your security and privacy

Create now your diplome FOR FREE



REGISTER NOW

Any diplome Partner organization can activate its access portal, where users can access their wallet within organization's boundaries

Most Asked Questions

Need help? We've got the Answer! [View our topics](#)

Terms and Conditions

By browsing, accessing or using this my diplome platform, you agree to be bound by these Terms and Conditions of Use. [Read it carefully](#)

Contact us

Need any help? With all questions and inquiries write us an email. My diplome team will be happy to help you. [techsupport@diplo-me.eu](mailto:techsupport@diplo-me.eu)





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# My diplome Partners backoffice


Diplome will provide partner organizations a complete backoffice management system. Simple to use, organized in few key activities, an organization can swiftly handle requests from its users

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## ACTIVITIES

-  Publishing requests
-  Completed requests

## ADMINISTRATION

-  Manage Operators

## Completed Reqs

 Reload data

Total number of records:

User email 



Diplome:  
<https://cimea.diplo-me.eu>



← Back

### CREATE NEW ACCOUNT

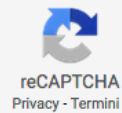
Name

Surname

E-mail

In order to register you must accept [Terms & Conditions](#)

Non sono un robot



REGISTER

The screenshot shows the home page of the Diplome website. At the top, there is a navigation bar with the Diplome logo and CIMEA logo. A sidebar menu on the left lists various sections: HOME PAGE, MY DIPLOME, PROFILE (with sub-items: Account, My Services, Documents, Qualifications, Competencies), SERVICES (with sub-items: Information Request, Comparability, Verification), and INFO (with sub-items: Contacts, FAQ, Required Documents, Consent Form, Terms & Conditions). The main content area features four large service cards: 1. My Diplome Wallet: Describes creating a digital wallet of qualifications. 2. Information Request: Describes contacting CIMEA experts for recognition procedures. 3. Comparability: Describes requesting a Statement of Comparability for academic and secondary school qualifications. 4. Verification: Describes requesting a Statement of Verification for official education system awards. At the bottom, there are two smaller cards: Documents (for uploading identity documents) and Qualifications (for uploading school certificates and transcripts).



## Required documents

In this section you will find information about documents to be produced together with your request of Comparability and Verification services.

The list of documents for each country is suggested in the related country page.

Please note that CIMEA experts maintain the right to request further documentation which they consider important for the evaluation at any time during the procedure.

The address for the delivery of physical documents required by CIMEA is as follows:

CIMEA - Viale XXI Aprile 36 - 00162 Roma (RM) – Italia (Italy)

Please select your country:

## JAPAN

## Documents required for all CIMEA services

## SECONDARY SCHOOL LEAVING QUALIFICATION

- Diploma (in original language)
- Certificate of school subjects (transcript) of at least the last two years in original language
- Entrance examination (Daigaku Nyūshi Sentā Shiken) or Associate degree (Junior College)
- Translation in English or Italian

## HIGHER EDUCATION QUALIFICATION

- Diploma (in original language)
- Official Transcript of Records (in original language)
- Translation in English or Italian

## Additional details for the verification services

## SECONDARY SCHOOL LEAVING QUALIFICATION

In order to issue the Statement of Verification by CIMEA official documents are needed.

The following options are considered in order to send official documents to CIMEA:

- **Option 1**  
Ask the institution to send your document directly to CIMEA in a sealed envelope that is signed or stamped across the back flap by the appropriate official.
- **Option 2**  
If the institution gives you the document to send to CIMEA, it must be in a sealed envelope that is signed or stamped across the back flap by the appropriate official.  
**If the envelope is opened or there is no stamp or signature across the back flap, CIMEA cannot accept the document.**

## HIGHER EDUCATION QUALIFICATION

In order to issue the Statement of Verification by CIMEA official documents are needed.

The following options are considered in order to send official documents to CIMEA:

- **Option 1**  
Ask the institution you attended to send your document directly to CIMEA in a sealed envelope that is signed or stamped across the back flap by the appropriate official.
- **Option 2**  
If the institution gives you the document to send to CIMEA, it must be in a sealed envelope that is signed or stamped across the back flap by the appropriate official.  
**If the envelope is opened or there is no stamp or signature across the back flap, CIMEA cannot accept the document.**

HOME PAGE

MY DIPLOME

PROFILE

Account

My Services

Documents

Qualifications

Competencies

SERVICES

Information Request

Comparability

Verification

INFO

Contacts

FAQ

Required Documents

Consent Form

Terms & Conditions

### My Diplome

"My Diplome" is your personal space where certified institutions can upload official qualifications to your Diplome Wallet using blockchain technology and that allows you to share them securely. The Diplome Wallet includes:

- **your unique address** that identifies you
- **your Wallet address** representing the space with all your certified qualifications
- **your unique private key** that allows you to access to the Diplome Wallet

Click on "Download Wallet file" button, to receive all the above information in a unique file.

The Wallet file should be securely stored together with the password you received by email during the registration phase. You will need the Password and Wallet File to unlock your wallet.

Given the sensitivity of your personal information, it is essential that you save the above information securely and do not share it with anyone else.

You can access to your Diplome Wallet to view all the contents and share your qualifications securely when you want and with who you like.



### Save My Diplome Wallet File

- Don't share it**  
Your certificates will be stolen if you use this file on a malicious phishing site
- Make a backup**  
Secure it as it is the key to access to your personal data
- Print it**  
This prevents loss of the private key due to dead hard drive or lost USB drive

Download Wallet file

### My Certificates



Comparability

Higher Education Qualifications - Diploma



16-04-2019 15:31:02

SHARE



Verification

Higher Education Qualifications - Diploma



16-04-2019 15:38:32

SHARE

- HOME PAGE
- MY DIPLOME
- PROFILE
  - Account
  - My Services
  - Documents
  - Qualifications
  - Competencies
- SERVICES
  - Information Request
  - Comparability
  - Verification
- INFO
  - Contacts
  - FAQ
  - Required Documents
  - Consent Form
  - Terms & Conditions

### My Diplome

"My Diplome" is your personal space where you can manage your Diplome Wallet. The Diplome Wallet includes:

- **your unique address** that identifies you
- **your Wallet address** representing your Diplome Wallet
- **your unique private key** that allows you to access your Diplome Wallet

Click on "Download Wallet file" button, you will receive a file. The Wallet file should be securely stored on your device. Given the sensitivity of your personal information, you should not share it with anyone else. You can access to your Diplome Wallet at any time.

CONFIRM SHARING ✕

**Are you sure to share this certificate?**

Write the email address of the entity or person with whom you would like to share your certificate

**SHARE TO EMAIL**

CANCEL

CONFIRM

YOUR ADDRESS

XXX

YOUR WALLET

XXX

YOUR PRIVATE KEY

XXX

### Save My Diplome Wallet File

- Don't share it**  
Your certificates will be stolen if you use this file on a malicious phishing site
- Make a backup**  
Secure it as it is the key to access to your personal data
- Print it**  
This prevents loss of the private key due to dead hard drive or lost USB drive

Download Wallet file

### My Certificates



Comparability

Secondary School Qualifications - Diploma



11-04-2019 03:51:02

SHARE



qualification/certificate – Diplome secure verification service

A: university@university.com

[English version]

Diplome secure verification service

wishes to allow you access to a certified copy of his/her qualification through the Diplome verification service.

This message contains full details on the qualification/certificate stored in 's Diplome Wallet and instructions to conduct a secure verification of its authenticity, thanks to *blockchain* technology.

To immediately verify the authenticity of the qualification contents, please visit the Diplome verification webpage [\[verification link\]](#) and follow the instructions below:

1. Fill in the form with the following details:

- Verification reference number: 5cb5b841b8b1d11d38efc16a
- User address: 0xd7a5714e772131ca54e291673502309a0b484625
- Issuing organization address: 0x55e871655eb22e6828ccffb0b15c519588410140
- Wallet address: 0xbd7f1f519915cd79e7c20ae6a924a5b1aca5a196

2. Download the JSON file received in this message

3. Attach the JSON file to the Diplome verification online form

4. Click on the "Verify" button

The attached file in JSON format also allows you to conduct an automated [\[verification link\]](#) blockchain-based verification of the qualification/certificate authenticity.

Please note that the attached JSON file contains all the details of the qualification/certificate you wish to verify in plain text.

For further information, kindly refer to our [FAQ](#) section:

- What is Diplome?
- How secure is our verification service?
- What is blockchain?
- What is a Diplome Wallet?

This message has been automatically generated; please do not reply to it.



5ca361a0b8b1d  
165c4...16.json

# Verification section



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## VERIFY FULL CERTIFICATION

\* Fields are mandatory

 VERIFICATION REFERENCE NUMBER \*

 USER ADDRESS \*

 ISSUING ORGANIZATION ADDRESS \*

 WALLET ADDRESS \*

Upload json file \*

nessuno selezionato

VERIFY CERTIFICATE

# Verification section



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## DIPLOME FULL VERIFICATION RESULT



### VERIFICATION SUCCESSFUL!

Thanks to Diplome service you can verify the qualification/certificate you received and ensure the integrity of the owner.

#### Details of the verified qualification/certificate:

**Document type:** Comparability

**Publication date:** 16-04-2019 15:31:02

**Reference number:** 5cb5b841

**Holder name:** \_\_\_\_\_

**Holder birth date:** \_\_\_\_\_

**Qualification name:** Diploma di Laurea in Giurisprudenza

**Issue country:** Italy

**Awarding institution:** Università Cattolica del Sacro Cuore

**Status Of Institution:** Recognised

**Qualification type:** Academic qualification

**Classification or Level:** 2nd cycle QF-EHEA / EQF level 7

**Duration:** 4 years + dissertation period

**Access Requirements:** Italian school leaving qualification (Diploma di Maturità)




**Access to further studies:** 3rd cycle QF-EHEA / EQF level 8 programmes - PhD

**Notes:** The Diploma di Laurea is an Integrated Master degree awarded according to the Italian pre-Bologna higher education system. The Diploma di Laurea is equivalent by law to the new Laurea Magistrale degree, in compliance with the Inter-Ministerial Decree of 05th May 2004. According to the Italian legislation, the Diploma di Laurea is a Single-Cycle Master Degree (Bachelor Degree + Master Degree awarded in a unique qualification).



**Certification Authority:** Cimea

### Assignable Tasks

ACTIVITIES

-  My Tasks
-  Completed
-  Assignable








ADMINISTRATION

-  All Tasks
-  Manage Operators

 Reload data




All 

Total number of records: 35



Authority	Type	Status	Title	Issuing Country	Requesting user	Creation Date	Actions
PADOVA	Comparability	New	High School Diploma	United States		16-05-2020 23:27:06	
CIMEA	Information request	New	CIMEA Services			15-05-2020 14:34:16	
CIMEA	Information request	New	Italian Higher Education System			15-05-2020 14:34:36	
CIMEA	Information request	New	Foreign qualification in Italy	Lebanon		15-05-2020 14:34:59	
CIMEA	Information request	New	CIMEA Services			15-05-2020 16:22:31	
CIMEA	Information request	New	Foreign qualification in Italy	Morocco		15-05-2020 20:50:03	
CIMEA	Information request	New	Italian qualification for abroad			15-05-2020 21:05:56	

### My Tasks

ACTIVITIES

-  My Tasks
-  Completed
-  Assignable














ADMINISTRATION

-  All Tasks
-  Manage Operators

 Reload data

All 

Total number of records: 11

Authority	Type	Status	Title	Issuing Country	Requesting user	Creation Date	Actions
CIMEA	Comparability	Assigned	Diploma di dottorato in teologia morale	Holy See		15-05-2020 09:55:40	  
CIMEA	Comparability	Assigned	Certificate and Transcript	Bangladesh		26-11-2019 16:09:34	 
CIMEA	Verification	In progress	Certificate and Transcript	Bangladesh		26-11-2019 16:09:34	 
PISA	Comparability	Assigned	Master's diploma	Italy		09-12-2019 12:50:02	 
PISA	Verification	Assigned	Master's diploma	Italy		09-12-2019 12:50:02	 
CIMEA	Comparability <i>(Draft certification available)</i>	In progress	BOARD OF INTERMEDIATE & SECONDARY EDUCATION, LAHORE	Pakistan		11-01-2020 14:01:44	 

# Creating a Statement



### CERTIFICATION COMPARABILITY

Reference N. 5ebc08b0b8b1d1245dbb09ec      Date 17-05-2020

Name of the holder	Date of birth
<input type="text"/>	<input type="text"/>
Name of the qualification	Awarding year
<input type="text" value="Bachelor of Science"/>	<input type="text" value="2001"/>
Issue country	Awarding institution
<input type="text" value="Bangladesh"/>	<input type="text" value="National University"/>
Status of institution	Teaching institution
<ul style="list-style-type: none"><li>✓ -</li><li>Riconosciuta</li><li>Accreditata</li><li>Ufficiale</li><li>Non-ufficiale con corsi accreditati</li><li>Internazionale</li></ul>	<input type="text" value="Teaching institution"/>
Duration	Classification/Level
<input type="text" value="Duration"/>	<input type="text" value="-"/>
Access requirements	Workload
<input type="text" value="Access requirements"/>	<input type="text" value="Workload"/>
	Access to further studies
	<input type="text" value="Access to further studies"/>

Evaluation details

[Preview Certificate PDF](#)



# CIMEA Statement



## ATTESTATO di COMPARABILITÀ

REFERENCE N. 5e6ffac8b8b1

DATA 17/04/2020

### CARATTERISTICHE DEL TITOLO DI STUDIO

NOME DEL POSSESSORE:	
DATA DI NASCITA:	
NOME DELLA QUALIFICA:	Bachelor of Business Administration with specialisation in International Business
ANNO DI RILASCIO:	2019
PAESE DI RILASCIO:	Norvegia
ISTITUZIONE CHE HA RILASCIATO IL TITOLO:	BI Norwegian Business School
STATUS DELL'ISTITUZIONE:	Riconosciuta
NATURA DELLA QUALIFICA:	Titolo professionalizzante
CLASSIFICAZIONE/LIVELLO:	1° ciclo QF-EHEA / livello 6 EQF

### NOTE VALUTATIVE:

Il Bachelor of Business Administration with specialisation in International Business è titolo finale di primo ciclo del sistema di formazione superiore norvegese, di durata triennale, che consente in loco l'accesso ai corsi di secondo ciclo. In Italia tale qualifica consente l'accesso diretto ai corsi di Master universitario di primo livello ed è valutabile per una abbreviazione di corso all'interno di un percorso di studio triennale).

Il presente Attestato è redatto dal CIMEA, centro nazionale di informazione afferente alla rete NARIC - National Academic Recognition Information Centres del Consiglio d'Europa e dell'UNESCO - Regione Europea. Il presente Attestato ha la forma di parere non vincolante e non certifica né attesta l'autenticità della qualifica oggetto della valutazione.



Nella produzione delle proprie attestazioni, il CIMEA si avvale della tecnologia blockchain collegata al servizio diplome.

Per "comparabilità" si intende l'indicazione del livello del titolo in riferimento ai cicli del Processo di Bologna e ai livelli dell'European Qualifications Framework. Tale comparazione non sancisce in alcun modo il riconoscimento formale del titolo all'interno di un sistema di istruzione differente da quello del Paese di rilascio del titolo, ma è indicazione utile per le istituzioni e gli enti chiamati a valutare la qualifica durante le differenti procedure di riconoscimento: l'Attestato di comparabilità ha la forma di parere e non vincola in alcun modo le istituzioni durante le proprie procedure di valutazione e di riconoscimento.

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#### Details of the verified qualification/certificate:

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Certificate: Higher Education Qualifications - Diploma

Publication date: 11-05-2020 10:32:56

## ATTESTATO di COMPARABILITÀ

REFERENCE N. XXXXXXXXXX

DATA 00/00/0000

### CARATTERISTICHE DEL TITOLO DI STUDIO

NOME DEL POSSESSORE:	XXXXXXXXXXXXXXXXXXXX
DATA DI NASCITA:	XXXXXXXXXXXXXXXXXXXX
NOME DELLA QUALIFICA:	XXXXXXXXXXXXXXXXXXXX
ANNO DI RILASCIO:	XXXXXXXXXXXXXXXXXXXX
PAESE DI RILASCIO:	XXXXXXXXXXXXXXXXXXXX
ISTITUZIONE CHE HA RILASCIATO IL TITOLO:	XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX
STATUS DELL'ISTITUZIONE:	XXXXXXXXXXXXXXXXXXXX
ISTITUZIONE DOVE SONO STATI SVOLTI GLI STUDI:	XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX
NATURA DELLA QUALIFICA:	XXXXXXXXXXXXXXXXXXXX
CLASSIFICAZIONE/LIVELLO:	XXXXXXXXXXXXXXXXXXXX
DURATA:	XXXXXXXXXXXXXXXXXXXX
CREDITI:	XXXXXXXXXXXXXXXXXXXX
REQUISITI DI ACCESSO:	XXXXXXXXXXXXXXXXXXXX
ACCESSO A ULTERIORI STUDI:	XXXXXXXXXXXXXXXXXXXX

### EVALUATION DETAILS:

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Il presente Attestato è redatto dal CIMEA, centro nazionale di informazione afferente alla rete NARIC - National Academic Recognition Information Centres dell'Unione Europea e alla rete ENIC - European National Information Centres del Consiglio d'Europa e dell'UNESCO - Regione Europea. Il presente Attestato ha la forma di parere non vincolante e non certifica né attesta l'autenticità della qualifica oggetto della valutazione.



Nella produzione delle proprie attestazioni, il CIMEA si avvale della tecnologia blockchain collegata al servizio diplome.

Per "comparabilità" si intende l'indicazione del livello del titolo in riferimento ai cicli del Processo di Bologna e ai livelli dell'European Qualifications Framework. Tale comparazione non sancisce in alcun modo il riconoscimento formale del titolo all'interno di un sistema di istruzione differente da quello del Paese di rilascio del titolo, ma è indicazione utile per le istituzioni e gli enti chiamati a valutare la qualifica durante le differenti procedure di riconoscimento: l'Attestato di comparabilità ha la forma di parere e non vincola in alcun modo le istituzioni durante le proprie procedure di valutazione e di riconoscimento.

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## ATTESTATO di VERIFICA

REFERENCE N.

DATA

### CARATTERISTICHE DEL TITOLO DI STUDIO

NOME DEL POSSESSORE:	_____
DATA DI NASCITA:	_____
NOME DELLA QUALIFICA:	_____
ANNO DI RILASCIO:	_____
PAESE DI RILASCIO:	_____
ISTITUZIONE CHE HA RILASCIATO IL TITOLO:	_____

Si certifica che l'autenticità della qualifica oggetto  
della presente attestazione è stata verificata.

Il presente Attestato è redatto dal CIMEA, centro nazionale di informazione afferente alla rete NARIC - National Academic Recognition Information Centres dell'Unione Europea e alla rete ENIC - European National Information Centres del Consiglio d'Europa e dell'UNESCO - Regione Europea. Il presente Attestato attesta esclusivamente l'effettivo ottenimento del titolo finale in capo al possessore, e non certifica altri elementi specifici della qualifica o la documentazione accademica collegata ad essa. Il presente Attestato verifica esclusivamente l'autenticità del titolo in oggetto, senza svolgere alcun tipo di comparazione della qualifica e senza attestarne alcun elemento utile ai fini delle procedure di riconoscimento. L'attestazione della autenticità del titolo non implica alcuna riconoscibilità diretta del medesimo all'interno del sistema italiano della formazione superiore.



Nella produzione delle proprie attestazioni, il CIMEA si avvale della tecnologia blockchain collegata al servizio diplome.

Per verifica dell'autenticità si intende ogni operazione posta in essere da CIMEA al fine di ricevere informazioni sull'effettivo rilascio di un titolo di studio da parte dell'istituzione di riferimento. Durante tali operazioni, il CIMEA utilizza uno o più dei seguenti strumenti: banche dati nazionali o della singola istituzione, informazioni richieste direttamente all'istituzione rilasciante il titolo, certificazione ufficiale rilasciata dalle autorità competenti del Paese di riferimento, invio del titolo di studio in originale da parte dell'istituzione presso gli uffici di CIMEA, verifica della presenza di legalizzazioni e timbri, verifica del format della qualifica e delle rispettive firme.

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di rilascio dell'Attestato.



# ATTESTATO di DINIEGO

REFERENCE N. XXXXXXXXXXXXXXXX

DATA 00/00/0000

## CARATTERISTICHE DEL TITOLO DI STUDIO

NOME DEL POSSESSORE:	XXXXXXXXXXXXXXXXXXXX
DATA DI NASCITA:	XXXXXXXXXXXXXXXXXXXX
NOME DELLA QUALIFICA:	XXXXXXXXXXXXXXXXXXXX
ANNO DI RILASCIO:	XXXXXXXXXXXXXXXXXXXX
PAESE DI RILASCIO:	XXXXXXXXXXXXXXXXXXXX
ISTITUZIONE CHE HA RILASCIATO IL TITOLO:	XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX

Il CIMEA, a seguito della valutazione della documentazione fornita, dichiara di non aver prodotto alcuna attestazione in riferimento alla qualifica in oggetto per uno o più dei seguenti motivi:

- non ufficialità dell'istituzione, del corso di studi o della qualifica nel sistema di riferimento;
- assenza di certificazione della qualità dell'istituzione e del corso degli studi da parte delle autorità nazionali competenti, anche in riferimento al luogo in cui gli studi sono stati svolti;
- casi di differenza sostanziale ai sensi della Convenzione di Lisbona;
- contraffazione o alterazione documentale;
- insufficienza documentale rispetto a quella richiesta che ha impedito una valutazione/verifica.

Il presente Attestato è redatto dal CIMEA, centro nazionale di informazione afferente alla rete NARIC - National Academic Recognition Information Centres dell'Unione Europea e alla rete ENIC - European National Information Centres del Consiglio d'Europa e dell'UNESCO - Regione Europea.



Nella produzione delle proprie attestazioni, il CIMEA si avvale della tecnologia blockchain collegata al servizio diplome.

Al fine di ottenere maggiori informazioni sulle procedure di valutazione/verifica poste in essere, si prega di riferirsi alla sezione del sito CIMEA relativa alla "Metodologia valutativa".

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Questo servizio è disponibile dopo 7 giorni dalla data di rilascio dell'Attestato.



# ATTESTATO di APPELLO

REFERENCE N. XXXXXXXXXXXXXXXX

DATA 00/00/0000

NOME DEL POSSESSORE:	XXXXXXXXXXXXXXXXXXXX
DATA DI NASCITA:	XXXXXXXXXXXXXXXXXXXX
NOME DELLA QUALIFICA:	XXXXXXXXXXXXXXXXXXXX
ANNO DI RILASCIO:	XXXXXXXXXXXXXXXXXXXX
PAESE DI RILASCIO:	XXXXXXXXXXXXXXXXXXXX
ISTITUZIONE CHE HA RILASCIATO IL TITOLO:	XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX

**Il presente Attestato è rilasciato da CIMEA a seguito di richiesta di rettifica del precedente Attestato di Comparabilità. Il presente documento è valido esclusivamente se allegato al precedente Attestato di comparabilità, il cui numero di riferimento è riportato all'interno del documento prodotto.**

## NOTE VALUTATIVE A FRONTE DI RICHIESTA DI APPELLO:

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi condimentum in nisl vitae cursus. Sed sed felis commodo, placerat arcu at, consequat erat. Aliquam eget vehicula quam. Proin vestibulum, eros nec efficitur auctor, libero leo venenatis nibh, sit amet viverra libero diam ac purus. In hac habitasse platea dictumst. Nam feugiat metus non quam interdum dictum. Quisque placerat quam tellus, a ullamcorper risus elementum non. Phasellus euismod eleifend dolor eu pulvinar.

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Nella produzione delle proprie attestazioni, il CIMEA si avvale della tecnologia blockchain collegata al servizio diplome.

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Questo servizio è disponibile dopo 7 giorni dalla data di rilascio dell'Attestato.



**Thank you**

**Luca Lantero**

info@cimea.it

@CIMEA\_Naric

@diplo\_me

<http://www.cimea.it/it/progetti-in-evidenza/diplome-blockchain4people/blockchain.aspx>