#EUNIS2021

A NEW ERA OF DIGITAL TRANSFORMATION
Challenges For Higher Education

**WHEN**
June 9 - 11, 2021

**WHERE**
'virtual' Athens, Greece
Greek Universities network

- Non-profit company
- Members: all 25 Greek Universities

- Coordination, development, promotion of advanced digital services and applications for the academic and research community in Greece
  - “build once, use many”, economies of scale

- A knowledge dissemination national network for
  - ICT services for education
  - digital learning ecosystem
e-learning services

- GUnet is an **e-learning hub** for Greek HEIs
- actively supports the development of the Open eClass platform since 2003

openeclass.org
- open source, fully featured, easy to use, multilingual (fully supports 8 languages) LMS
eClass @ Primary & Secondary Education

✓ Hosts: 348.413 courses
✓ Supports: 1.051.900 students & 151.916 teachers
video publishing services

• OpenDelos.org: a rich media and video lectures platform
  – Video uploading and playing
  – Scheduling video lecture recording
  – Video on demand services
  – Online basic video editing, slide synchronization

• Live lecture broadcasting from high definition IP cameras installed in classrooms and auditoriums
ανοικτά μαθήματα
opencourses.gr
National Portal for Open Courses

- **Aggregates** course metadata from the different LMS platforms

- **Searches** open courses based on criteria or browsing filters

- **Redirects** to the specific university LMS platform for accessing the desired course

www.opencourses.gr
Hellenic Academic & Research Institutions Certification Authority
https://www.harica.gr/

HTTPS your site
Get your Server Certificate

PKI Products focused on your needs

Code Signing
eSeals
eSignatures

Server Certificates
Email Certificates
eDiplomas

Online platform that implements a mediator between the diploma holder, the issuing institution and the authenticity validator (public or private entity)

Key Traits:

✓ It holds no diplomas data

✓ It incorporates signing and encryption mechanisms to offer enhanced privacy

✓ It follows a data centric design versus a document centric design
## eDiplomas
### DESIGN PRINCIPLES

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<tbody>
<tr>
<td>Use a National AuthN provider (TAXISnet)</td>
<td>Use the OAuth2 framework</td>
<td>Use Digital Certificates</td>
<td>Use well defined data structures</td>
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<td>- For the diploma holder</td>
<td>- Diplomas are made up of several scopes</td>
<td>- Responses are signed by the HEIs</td>
<td>- Use Reference Data, where possible</td>
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<tr>
<td>- For the authorized personnel per organization</td>
<td>- Access is granted to specific scopes, for a given lifetime and organization</td>
<td>- Encrypted for the intended organization by eDiplomas</td>
<td>- Promote linkage identifiers with Citizens’ National Registries</td>
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Thank you for your attention!