U.PORTO card

1st International Congress of University Smart Card
Múrcia, 16-17 May 2013
AGENDA

✓ University of Porto
  o Presentation/ Organization

✓ U.PORTO Card
  o Retrospective
  o Opportunities and Challenges
✓ 14 Faculties, 1 Business School and 60 units R&D;
✓ ≈700 study programs;
✓ ≈32 000 Students / 1900 Professors and Researchers/ 2000 Staff;
✔ Unique card for all needed campus applications
ISSUANCE - 2012/2013

✓ Layout & Technologies

- Hybrid chip (dual interface)
- Mifare capability (4K)
- 32k EEPROM
  (applications/data with cryptographic capabilities)
- Java card with several applets already embedded
U.PORTO CARD

ISSUANCE - 2012/2013

Consulte aqui o estado do seu Cartão U.PORTO

Card’s lifecycle monitoring by the user

Dissemination of information for interoperability with other systems
FUNCTIONALITIES

Ricardo Faria (1995/2008)
FUNCTIONALITIES - 2008/2009

☑ Typical functionalities in the University of Porto

- Printing
- Access Control
- Attendance Control
- Library
FUNCTIONALITIES - 2008/2009

✓ Typical functionalities in the University of Porto

- Printing
- Access Control
- Attendance Control
- Library
Typical functionalities and U.PORTO card
U.PORTO CARD

FUNCTIONALITIES – 2012/2013

[Images of various cards and access control systems]
EVALUATION – JUNE/2012

U.PORTO CARD

Agora será mais fácil ouvir a sua opinião sobre o cartão universitário.

Cartão Universitário Santander

Àgora será mais fácil ouvir a sua opinião sobre o cartão universitário.

Participe deste questionário até 20 de julho e participe de uma POD.

U.PORTO Card

<table>
<thead>
<tr>
<th></th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Students</td>
<td>5.9</td>
<td>6.8</td>
<td>6.6</td>
</tr>
<tr>
<td>Students that use the card weekly</td>
<td>7.0</td>
<td>7.4</td>
<td>7.2</td>
</tr>
<tr>
<td>Students that don’t use the card</td>
<td>4.3</td>
<td>5.3</td>
<td>5.0</td>
</tr>
</tbody>
</table>

ASSOCIAÇÃO DOS COMERCIANTES DO PORTO

U.PORTO 100
OPPORTUNITIES AND CHALLENGES

Sharing Experiences:

✓ Santander
  ✓ Grupo de Trabalho TUI - Portugal

✓ European Campus Card Association

✓ ERASMUS Mobility Program

ecca2013.up.pt
U.PORTO CARD

OPPORTUNITIES AND CHALLENGES

Sharing Resources:

Administrative Modernisation Support System (SAMA)

Attendance

Printing

Access

Digital Identity Services

SECURE IDENTITY ACROSS BORDERS LINKED PROJECT

SECURE IDENTITY ACROSS BORDERS LINKED PROJECT
U.PORTO CARD

OPPORTUNITIES AND CHALLENGES

Pending:

Payment System

City Public Transportation

In deploy:

Eletronic Administration
Presently +29 000 cards in use without certificates

1. How to manage the certificates?  
2. What type of certificates?  
3. How to integrate and use?
U.PORTO CARD

AUTO ENROLLMENT DIGITAL CERTIFICATES

PKCS#11
“The card gives IDENTITY, its services provide VALUE”

Luis Valente
lvalente@reit.up.pt

Ricardo Faria
rfaria@reit.up.pt