



- SSEDIC second year
- results relevant to universities
  - Victoriano Giralt
  - Central ICT Services
  - University of Málaga





## ICT PSP Program Call 4, Universal ID, Thematic Network

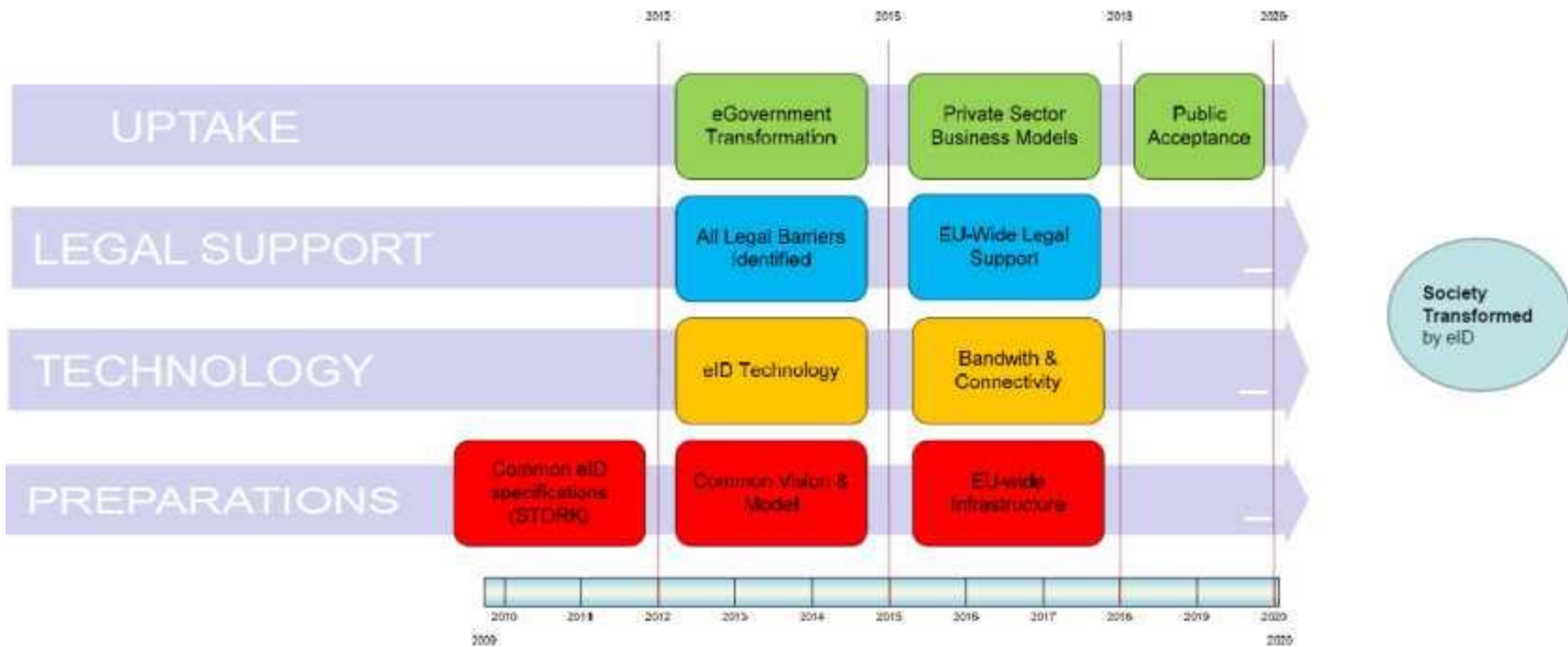
Contributing to the  
Digital Agenda for Europe

# What is SSEDIC doing



- Establish an as large as possible forum  
□ for debate
- Establish a framework and roadmap for action  
(2013)  
□ in line with the Digital Agenda for Europe
- Gain a better understanding of the impact  
□ of *universally accepted eIDs* for citizens and business

# Transformation to a Universal ID



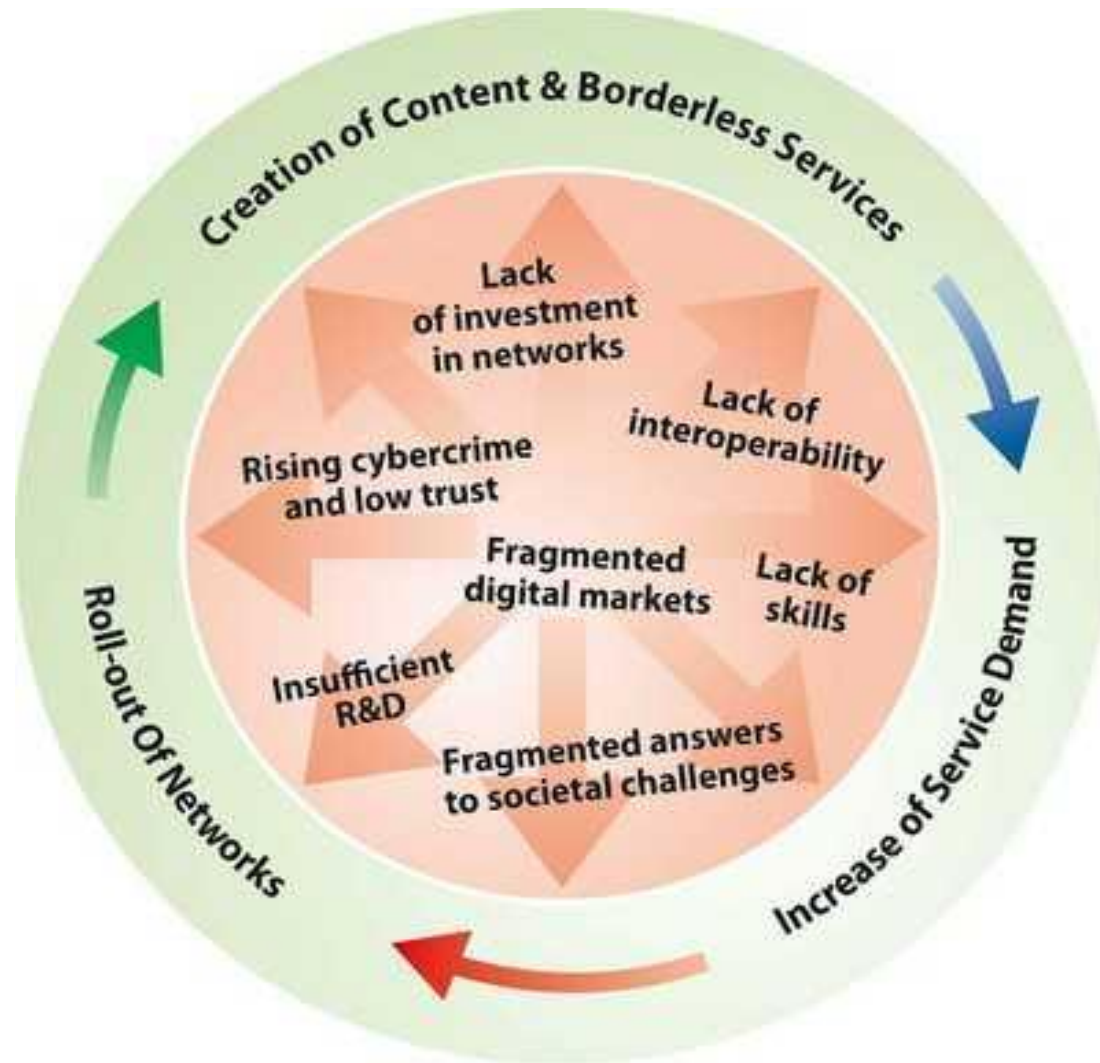
# How

will SSEDIC achieve its goals



- Involving all stakeholders
  - ICT
  - Policy
  - Administration
  - Users
  - Researchers
  - ...
- Aligning with EU actions
  - STORK
  - SPOCS
  - and new calls
- Doing open consultations
- Being comprehensive
  - Citizens
  - Business
  - Privacy
  - Security
  - Usability
  - Interoperability
  - Legal
  - ...

# Relevance





“Not just a theoretical exercise,  
but recommending **practical steps**  
in each stakeholder sector  
towards a vision of the  
Single European Digital Identity Community”

# Deliverables

what has been produced this second year?



- SSEDIC 2012 eID adoption survey
- SSEDIC on university credentials
- SSEDIC on authentication standards
- SSEDIC vision for distributed ID infra
- SSEDIC on eID deployment
- SSEDIC on eID regulation
- SSEDIC on business models

[http://www.eid-ssedic.eu/index.php?option=com\\_content&view=article&id=104&Itemid=100101](http://www.eid-ssedic.eu/index.php?option=com_content&view=article&id=104&Itemid=100101)





# Survey information

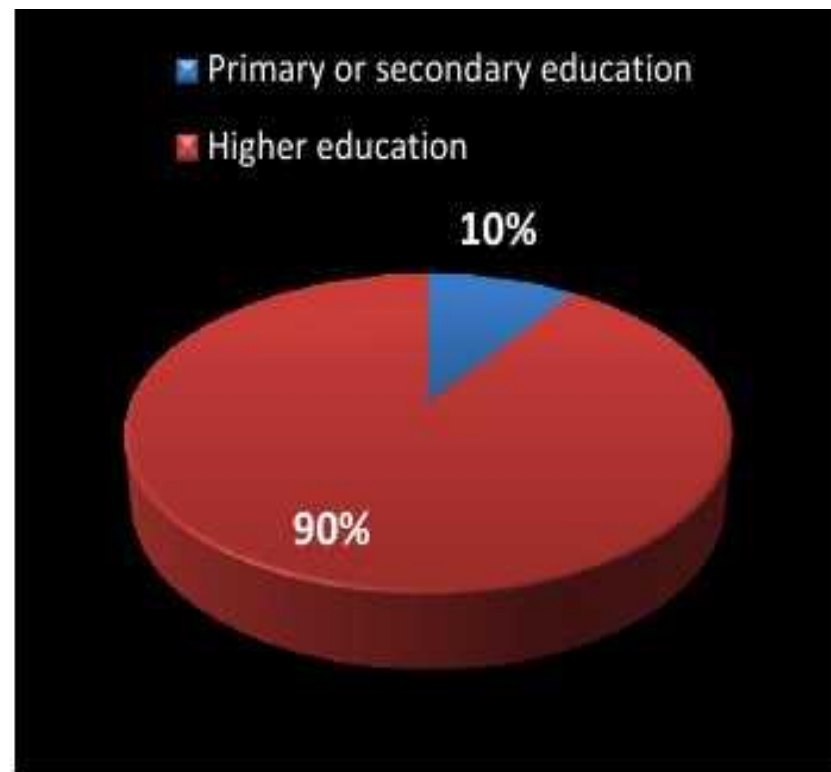
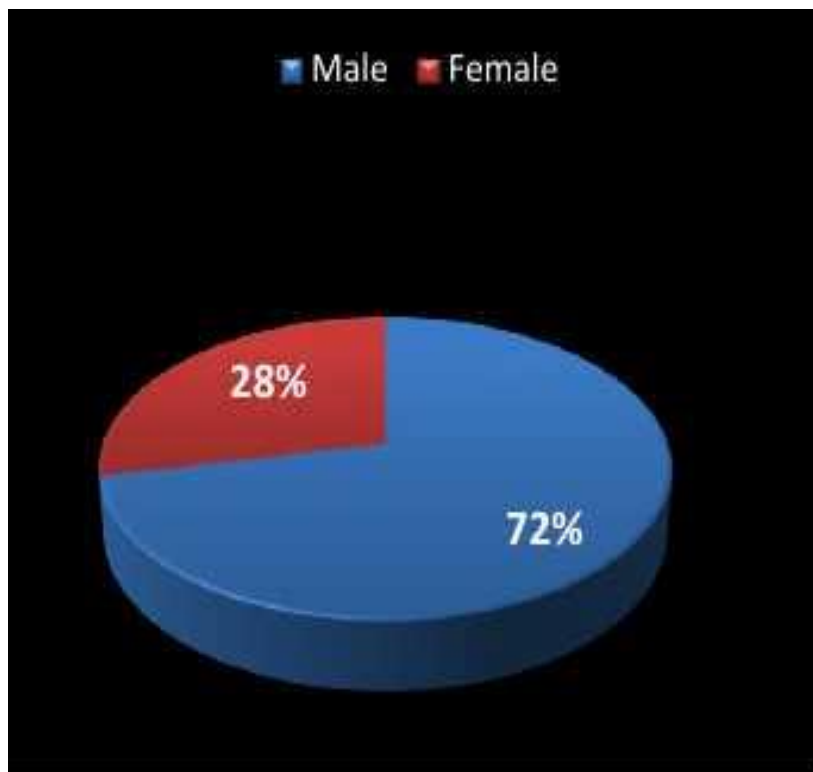
- 1000 participants
- Open October through December 2012
- Average 17 minutes to fill
- English, Spanish, French and German
- Mostly EU27 respondents
- Username/passw most used credential

# Survey Results

some figures on eID



## Survey participants education and gender

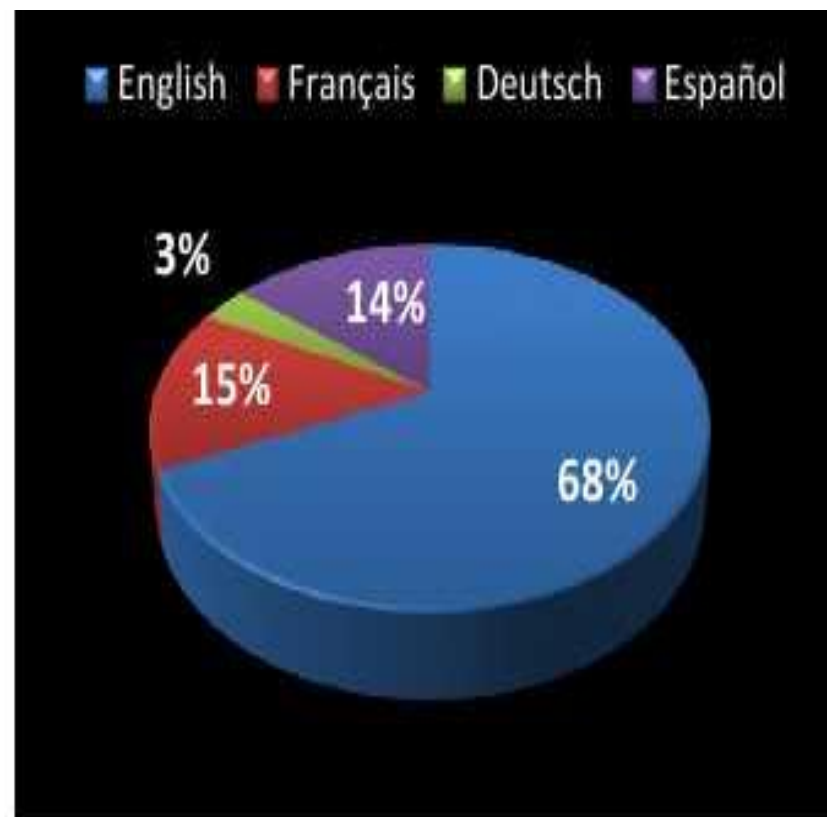
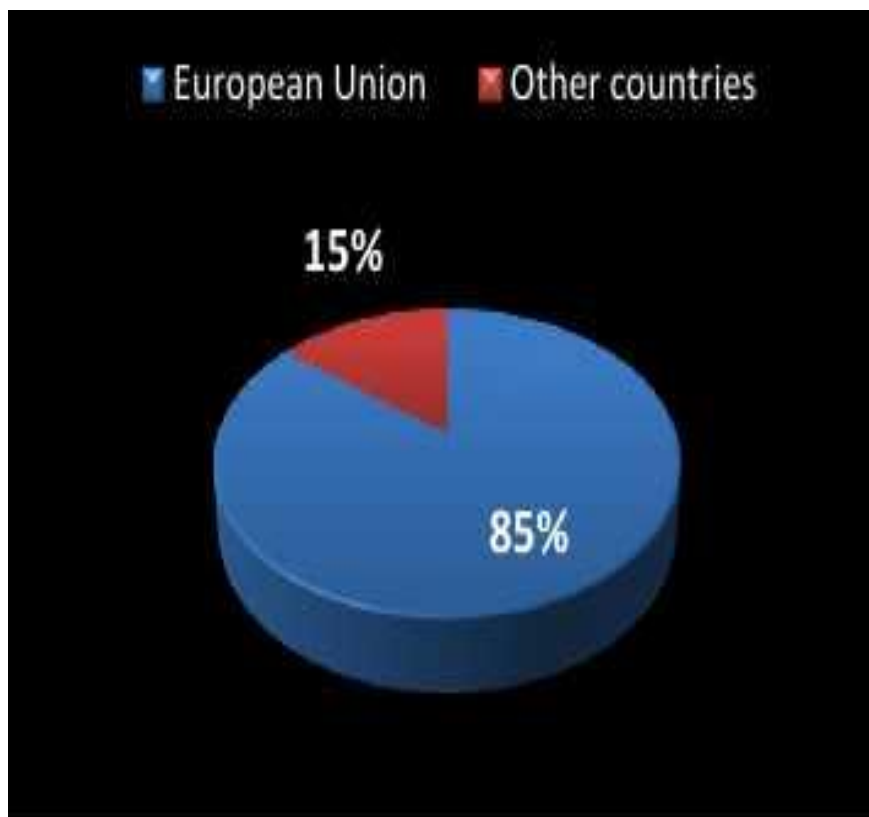


# Survey Results

some figures on eID



## Participants by country and language

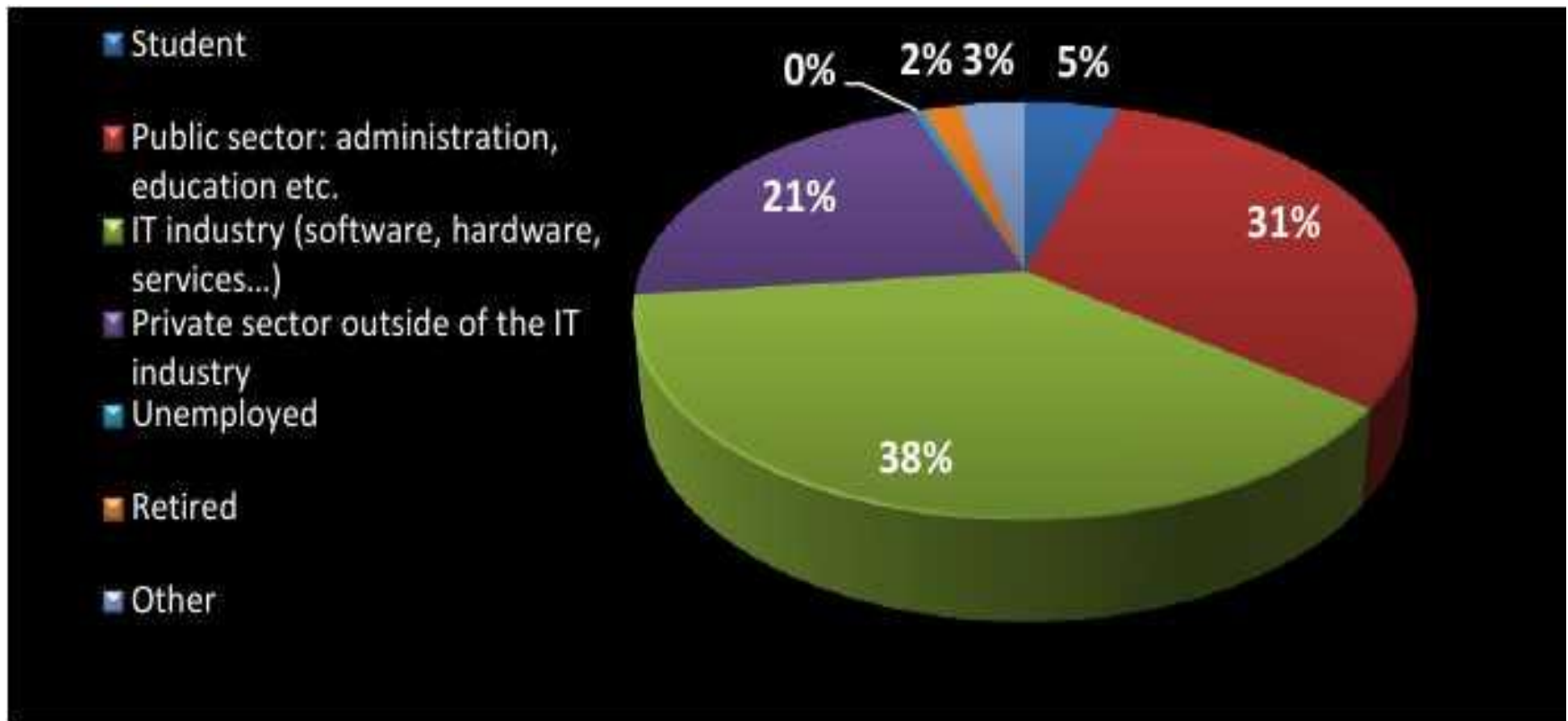


# Survey Results

some figures on eID



## Survey participants by sector

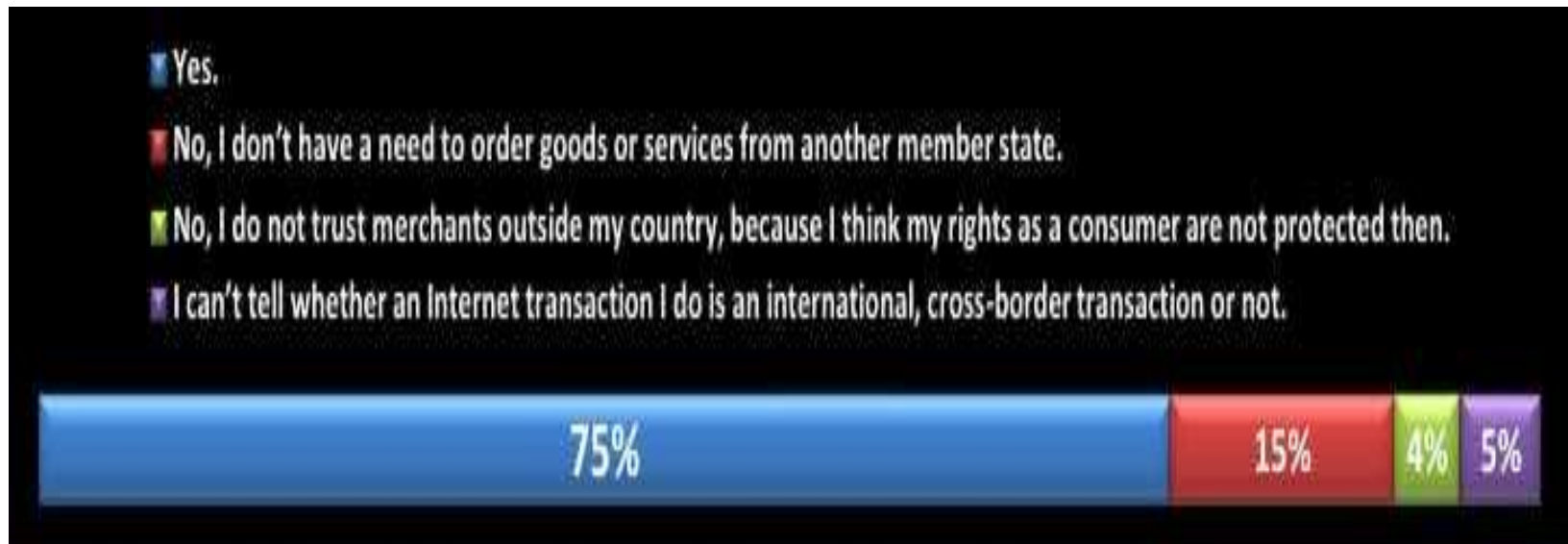


# Survey Results

some figures on eID



## Do you buy on-line from other MS

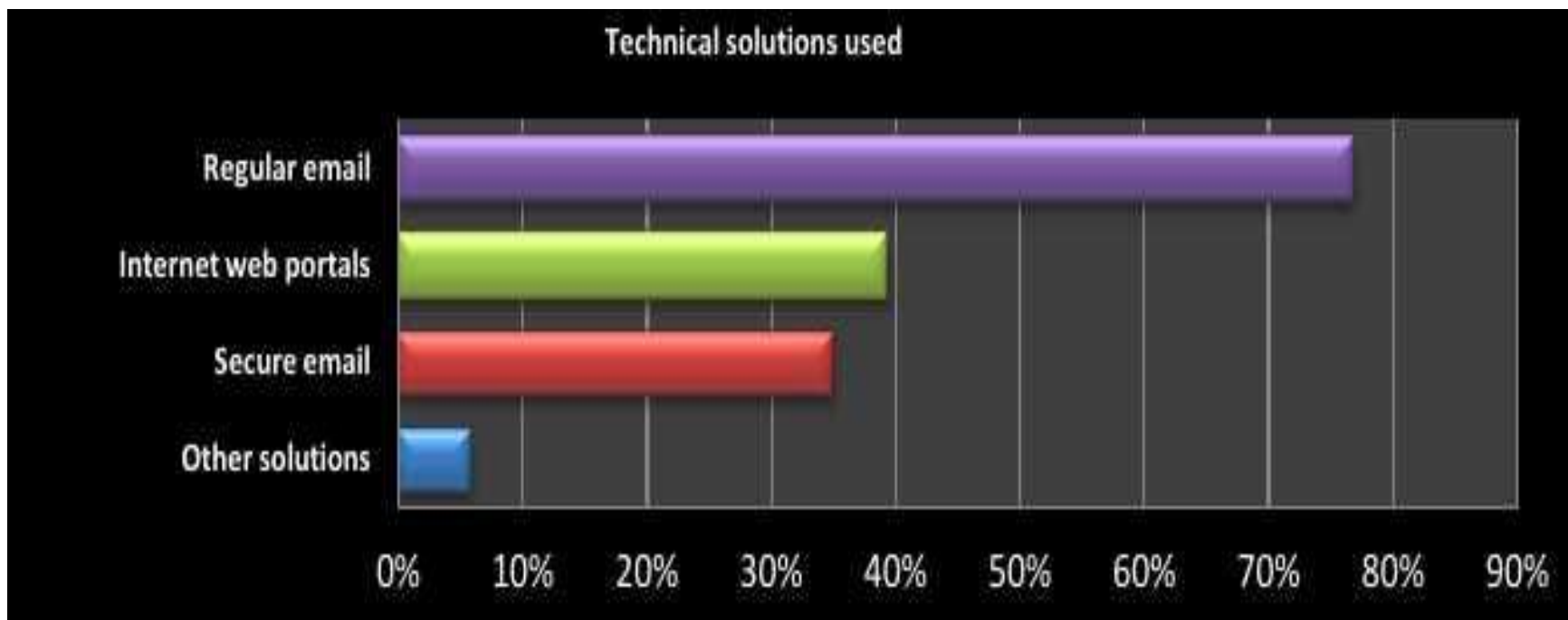


# Survey Results

some figures on eID



## Document transfer methods

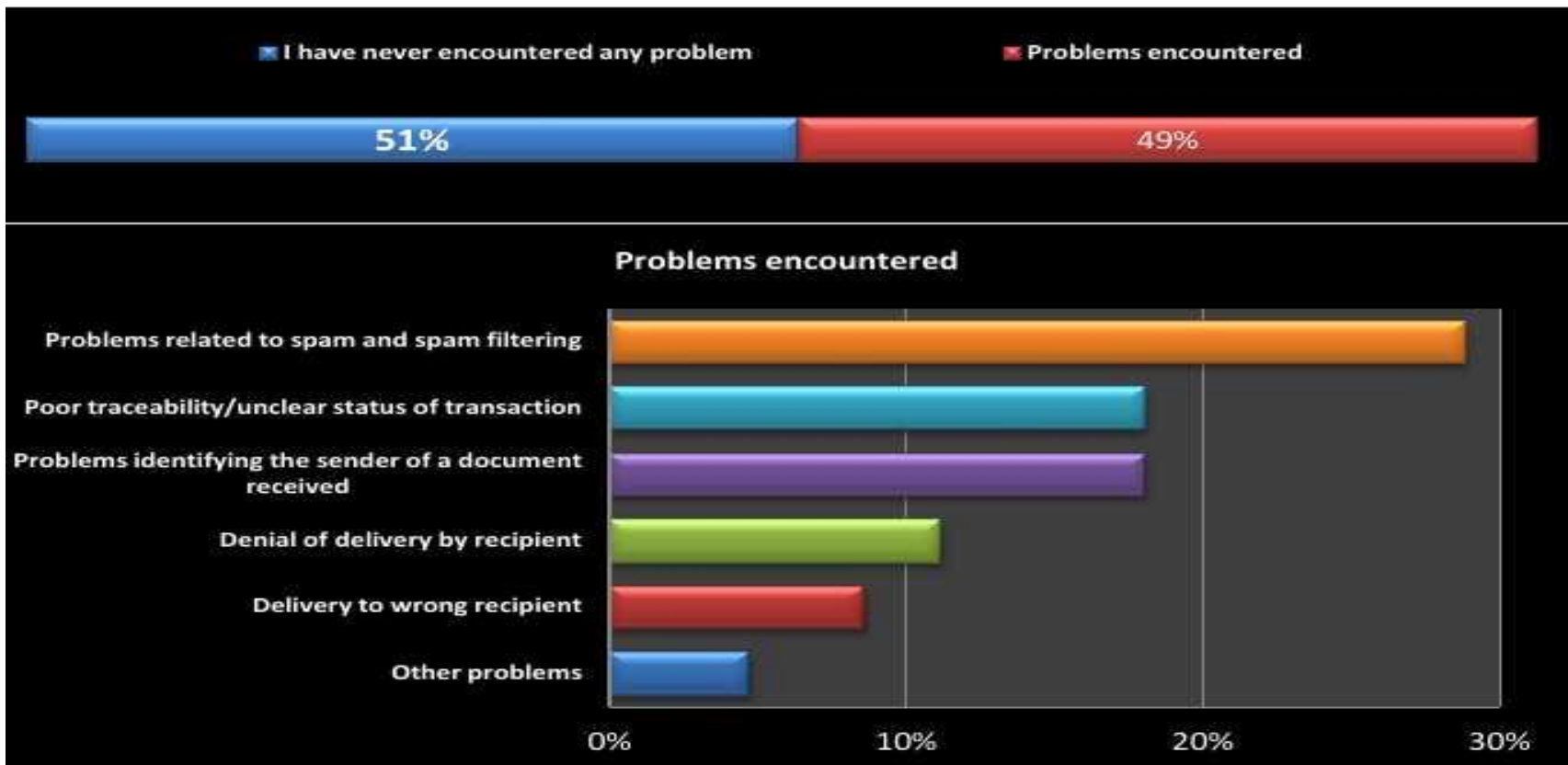


# Survey Results

some figures on eID



## Have you experienced problems exchanging sensitive documents





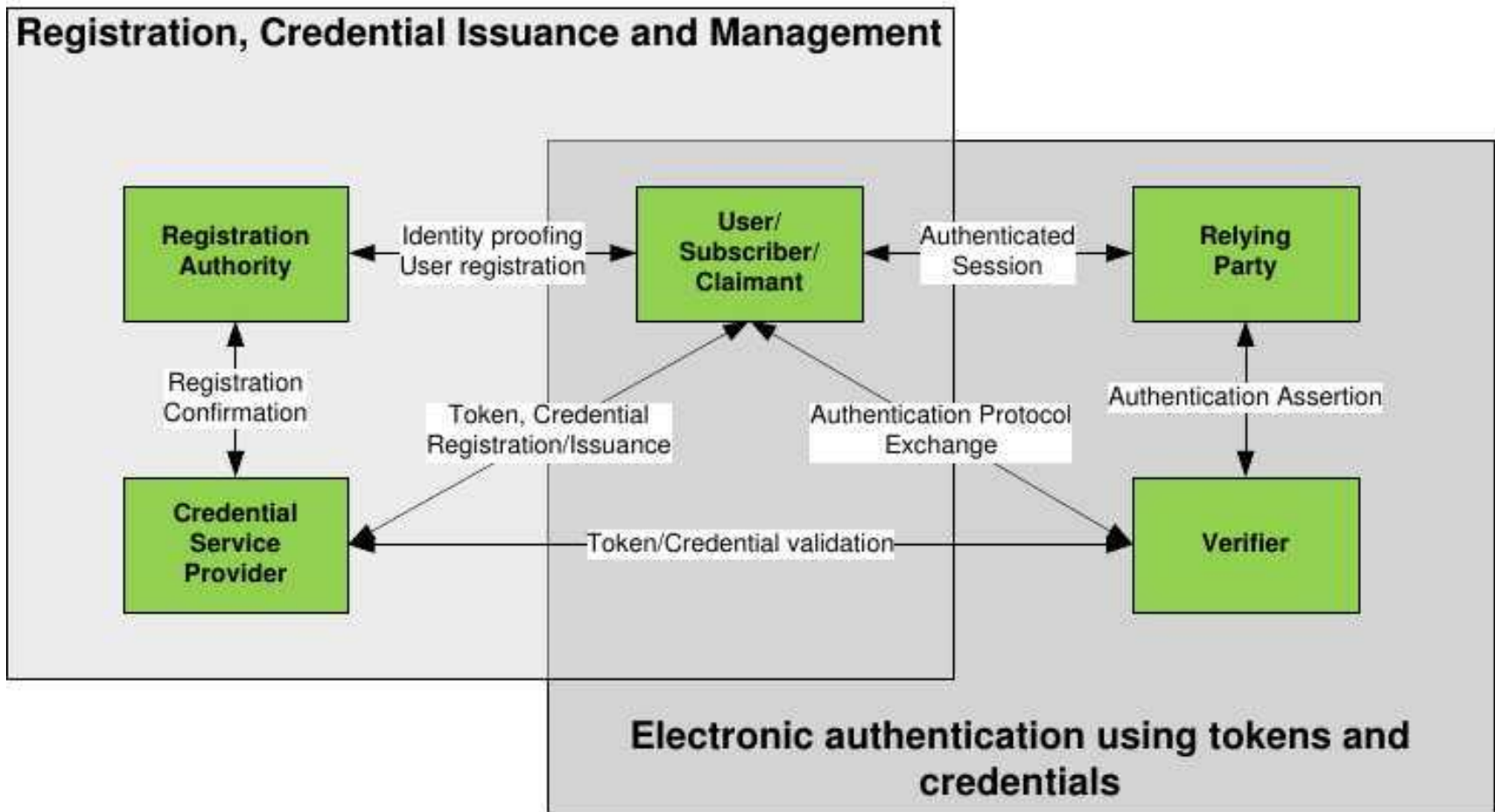
# Collected information

- Authentication methods
- Credentials and token type
- Levels of Assurance, and their sources
- STORK <-> NIST analysis
- *Four* factor authentication



# SSEDIC on Authentication

basic ideas in the paper





# Contributors

- KU Leuven
- University of Stuttgart
- University of Murcia
- University of Málaga



Oldest and most used  
university credentials

password

SSEDIC on eID in Universities  
we do things in a *different* way, we started first



# Most used identity based service



SSEDIC on eID in Universities  
we do things in a *different* way, we started first



# First identity based services



# SSEDIC on eID in Universities

we do things in a *different* way, we started first



# SSEDIC on eID in Universities

we do things in a *different* way, we started first



**S**ECURE  
IDENTITY  
ACROSS  
BORDERS  
LINK**K**



## Future

- Virtual Organisations
- Credential roaming
- Student mobility
- Digital diploma deposits



# SSEDIC on eID in Universities

we do things in a *different* way, we started first



*The future of Digital Student Data  
Portability*

Shameless plug:<http://www.groningendeclaration.org/>



## Challenges

- Reach outside the inter-web
- Levels of Assurance
- Privacy
- The attribute ecosystem
- Authorisation
- Group management
- User centric approach
- New protocols



## Milestones

- Wider adoption
- Information exchange for Bologna process
- Real management of virtual organisations
- Better services for federated identities
- Privacy and Data Control
- Support for credentials from other organizations
- Increased awareness and acceptance level



## Show stoppers

- Failure to educate users
- Neglecting mobile devices
- Smart card (non-)interoperability
- Non-compliant governmental CAs
- Un-aligned privacy legislations
- **Dearth of services**



“We now know what needs to be done  
to progress Europe’s e-ID vision”



# SIIC

SSEDIC International Identity Initiatives Conference

July 8th, 2013

Rome

[http://www.eid-ssedic.eu/index.php?option=com\\_content&view=article&id=117](http://www.eid-ssedic.eu/index.php?option=com_content&view=article&id=117)

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ask me ([v@uma.es](mailto:v@uma.es)) for invitaions