WITCard Case Study

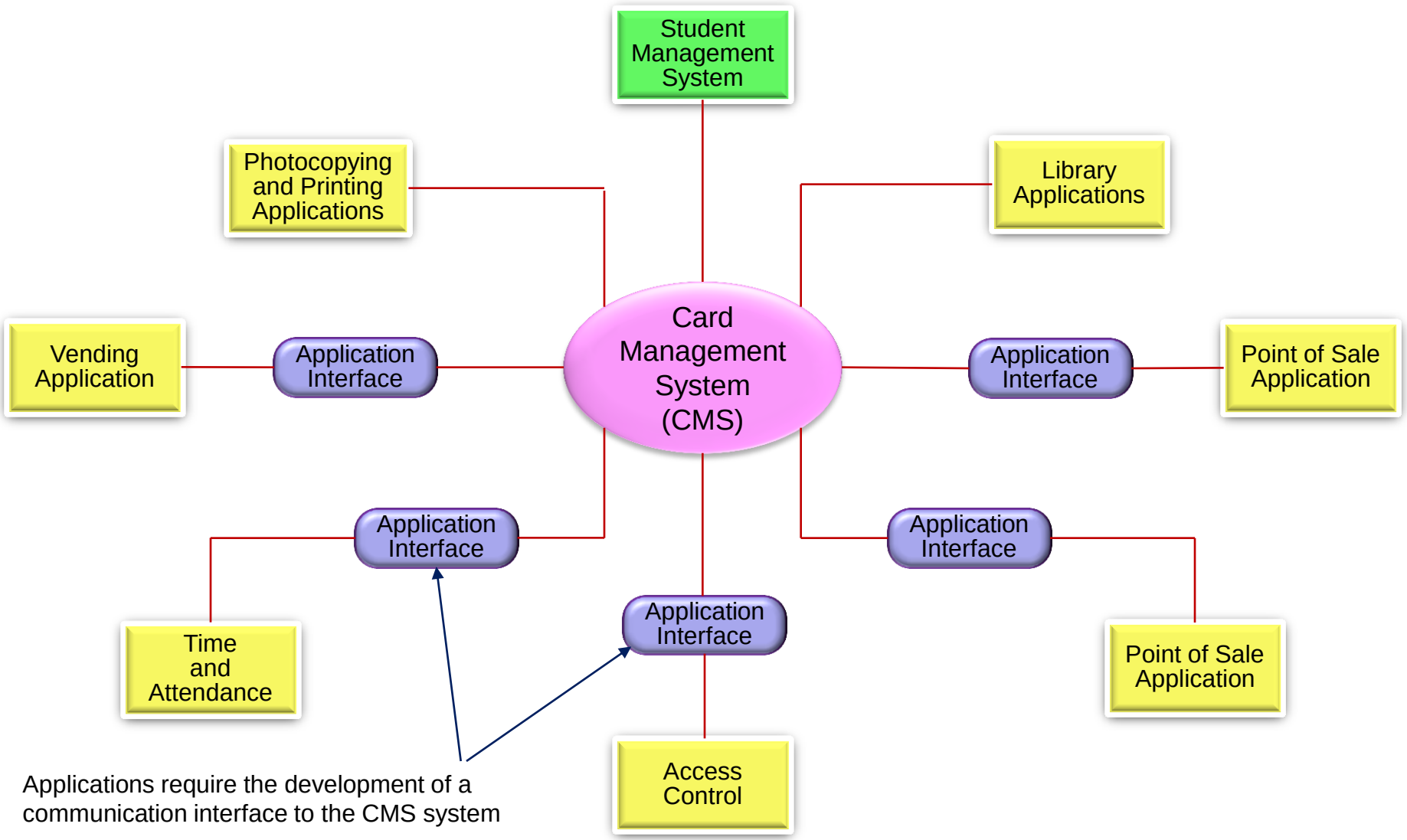
European Campus eID Goes Live - "One Year on ...."

Presentation by Eugene McKenna
Waterford Institute of Technology

WITCard Background

- Implemented at Waterford Institute of Technology in 1999
- Two year Research & Development Programme – US based
- Card Technology – Contact Chip, Mag Stripe & Bar Code
- Initial Applications – ID, Print/Copying, Access Control & Cashless Payments
- 10,000 cards issued in first year
- Other card systems – Mondex, FSU Card …….
- **January 2012 – Replaced by the new EECS System**

The Origional WITCard System

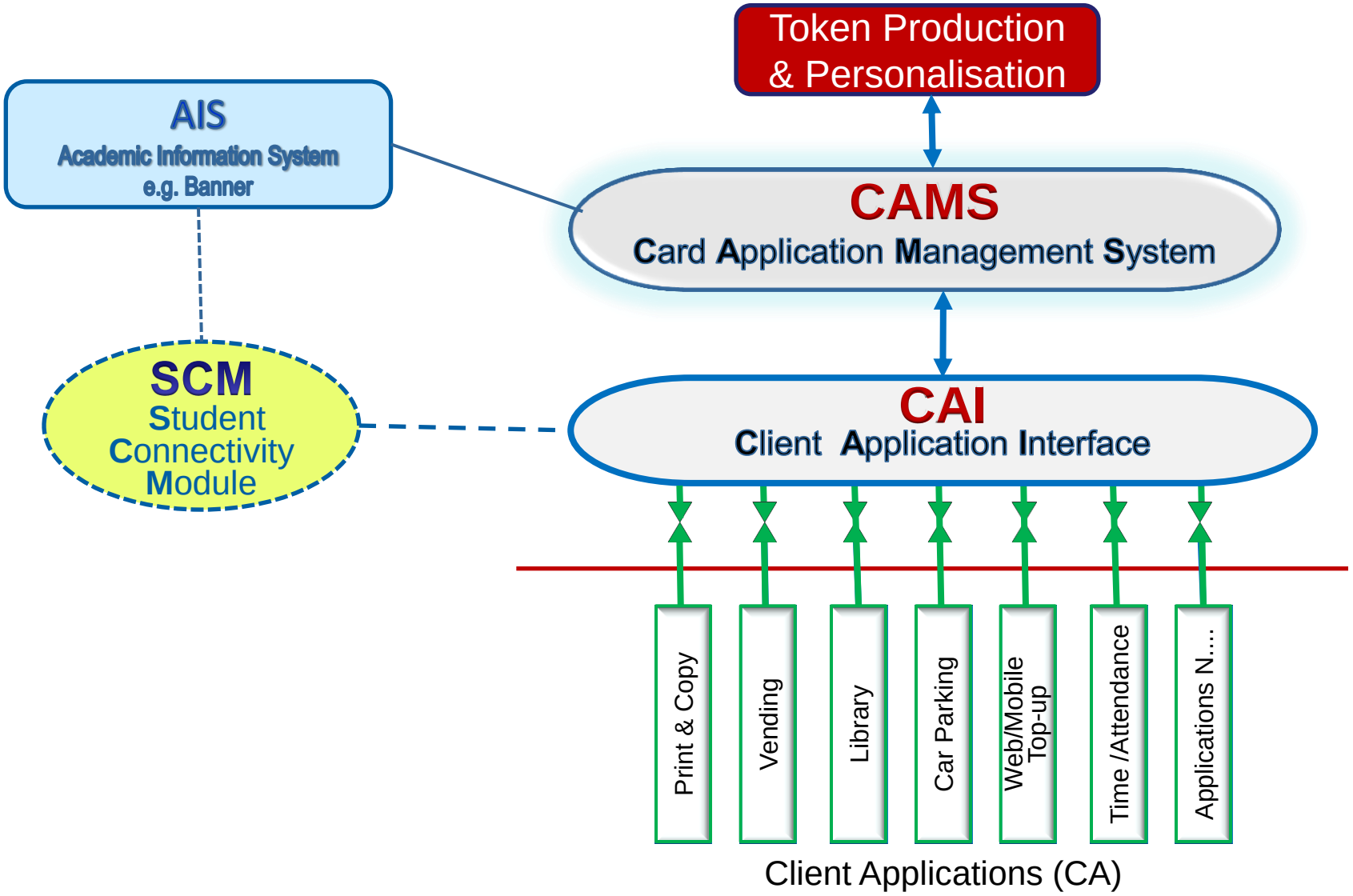


Applications require the development of a communication interface to the CMS system

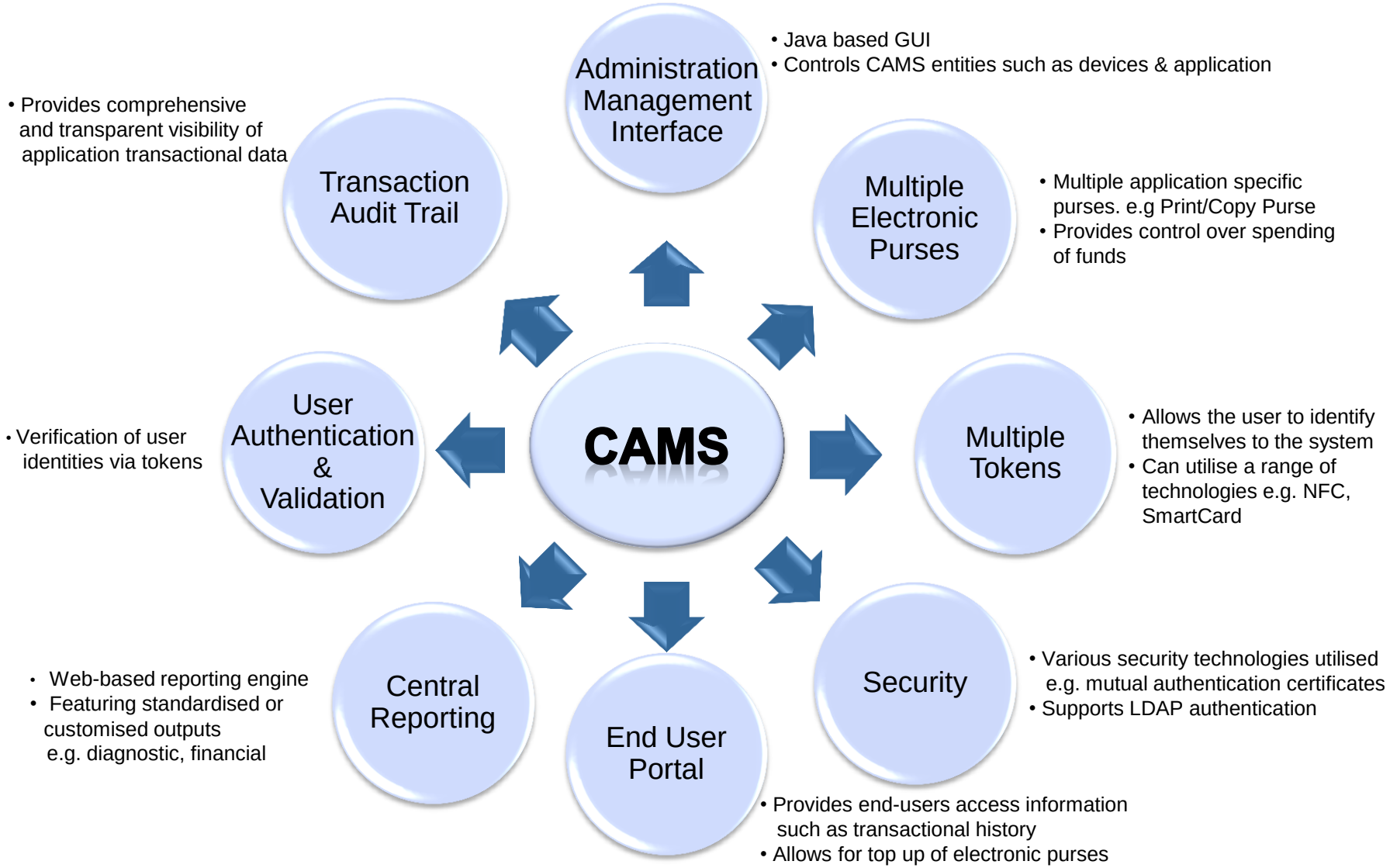
What's New and Unique about the new WITCard

- Standardisation & Interoperability
- Token system– System independent of Card Technology
- Ease of E-purse top-up
- Non-proprietary access to System – CAI – standardised protocol
- Modular & Scalable
- High Level of Security
- Mobility of Students (SCM)
- External Vendor Access
- Future Proofing –Technology Advances & Investment protection

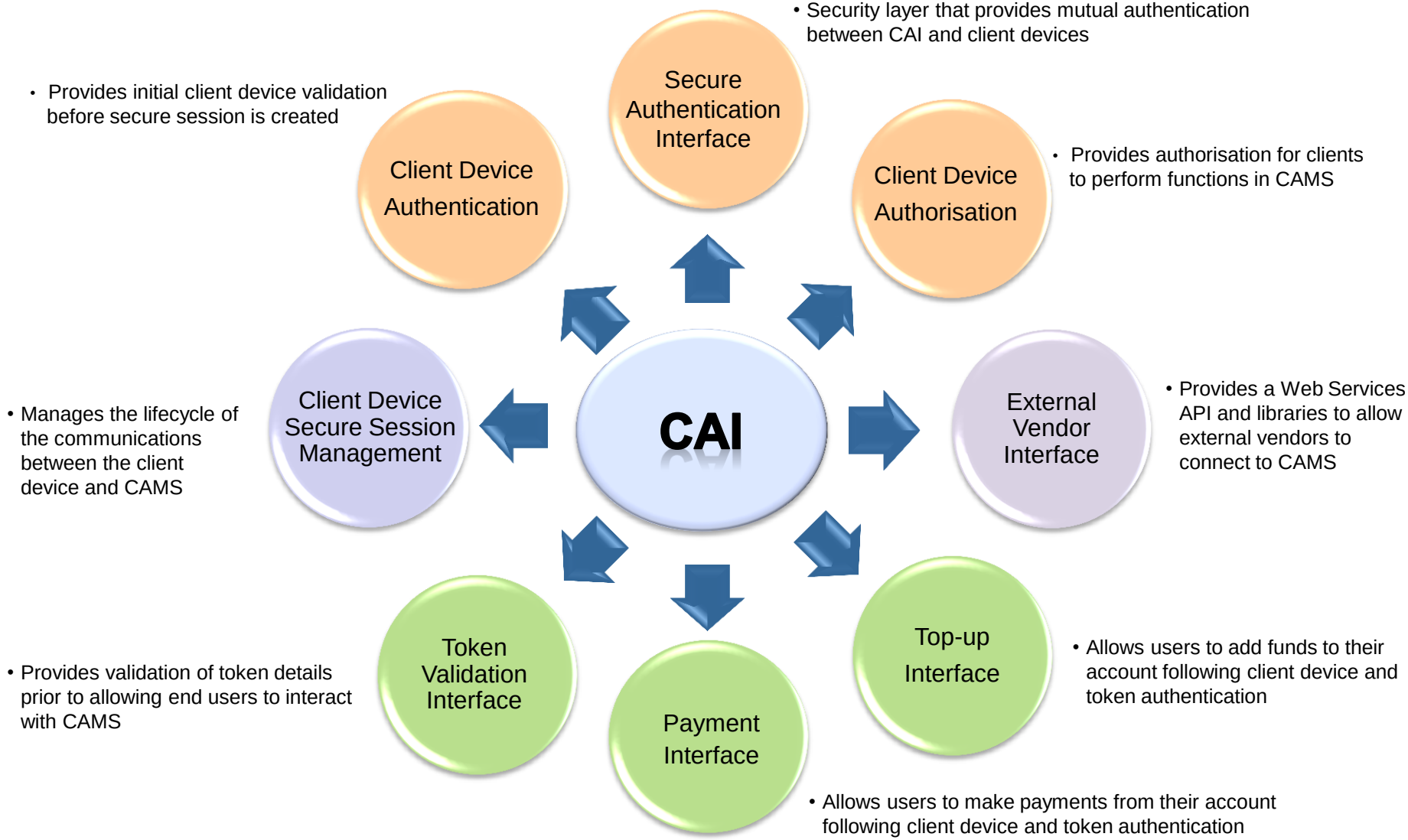
The European Campus eID Solution – 3 Core Modules



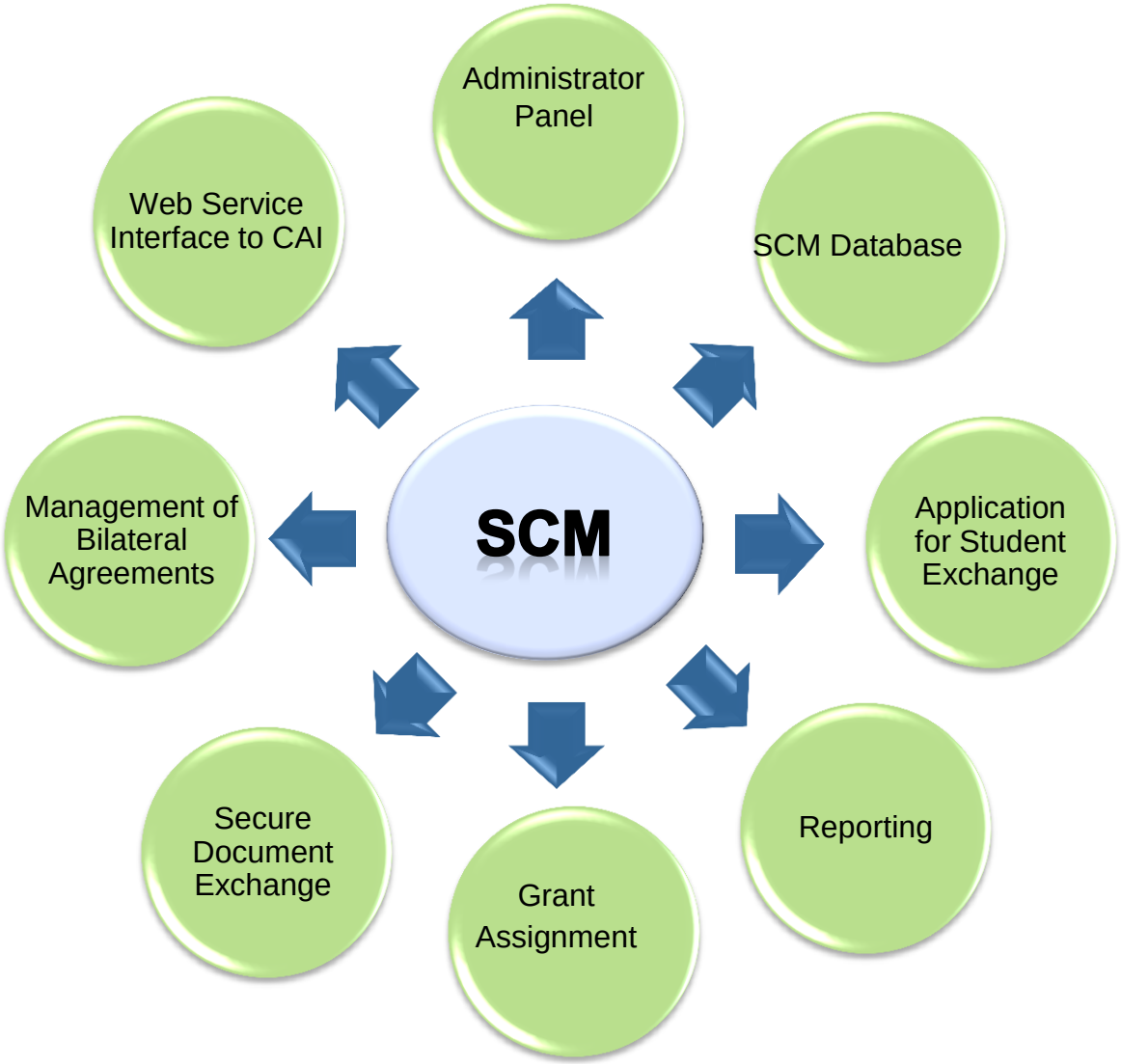
CAMS - Functionality



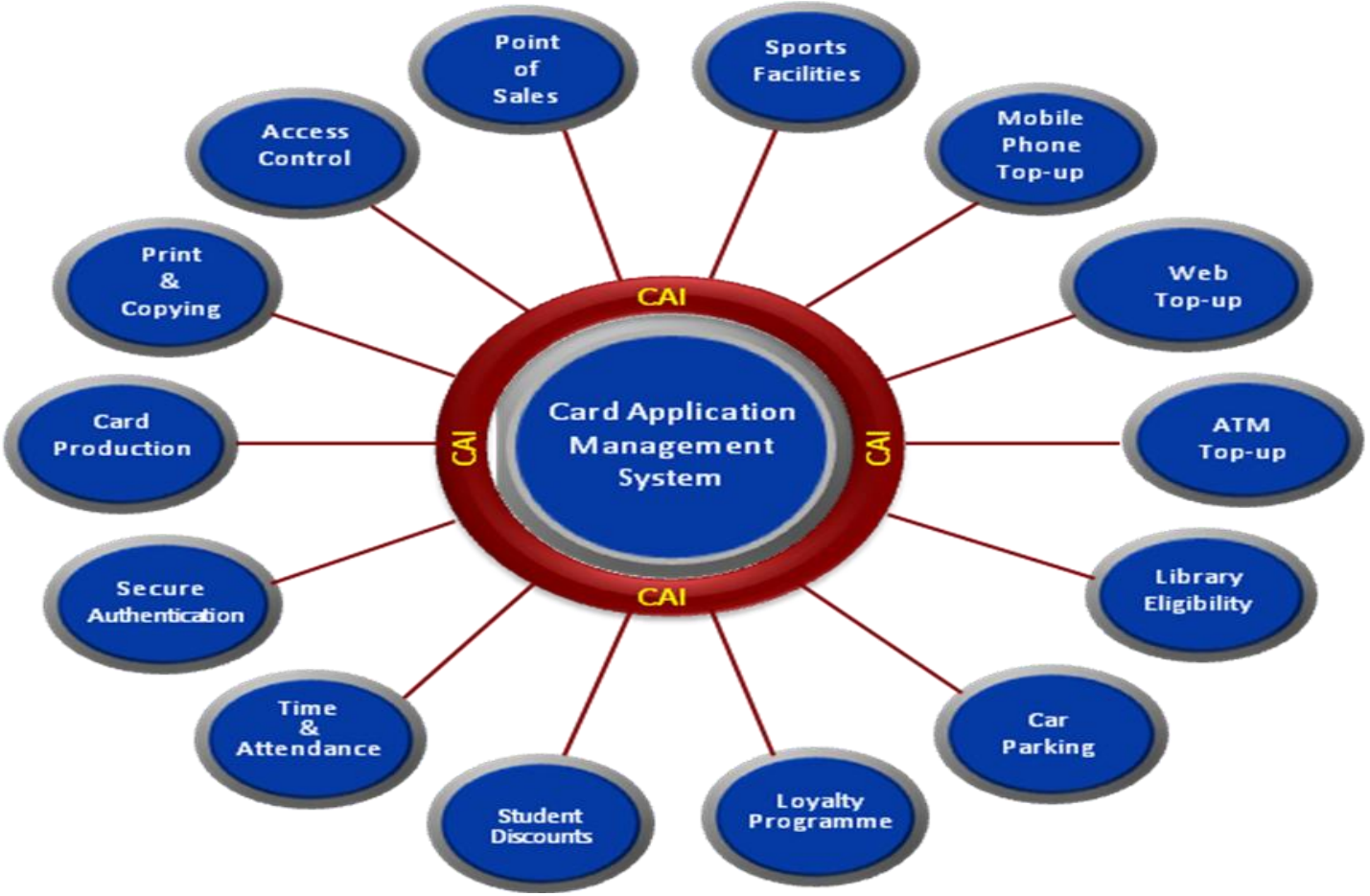
CAI – Functionality Overview



SCM – Functionality Overview

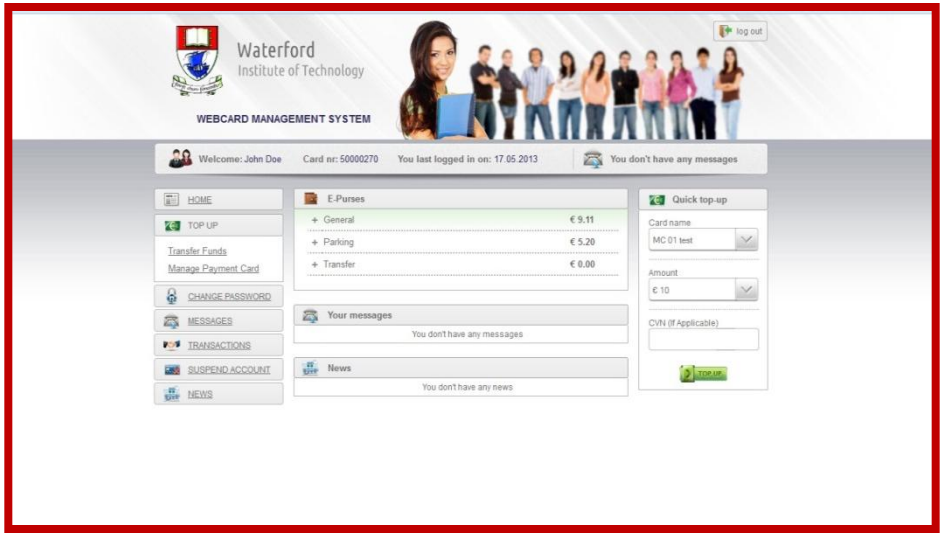


Current Applications

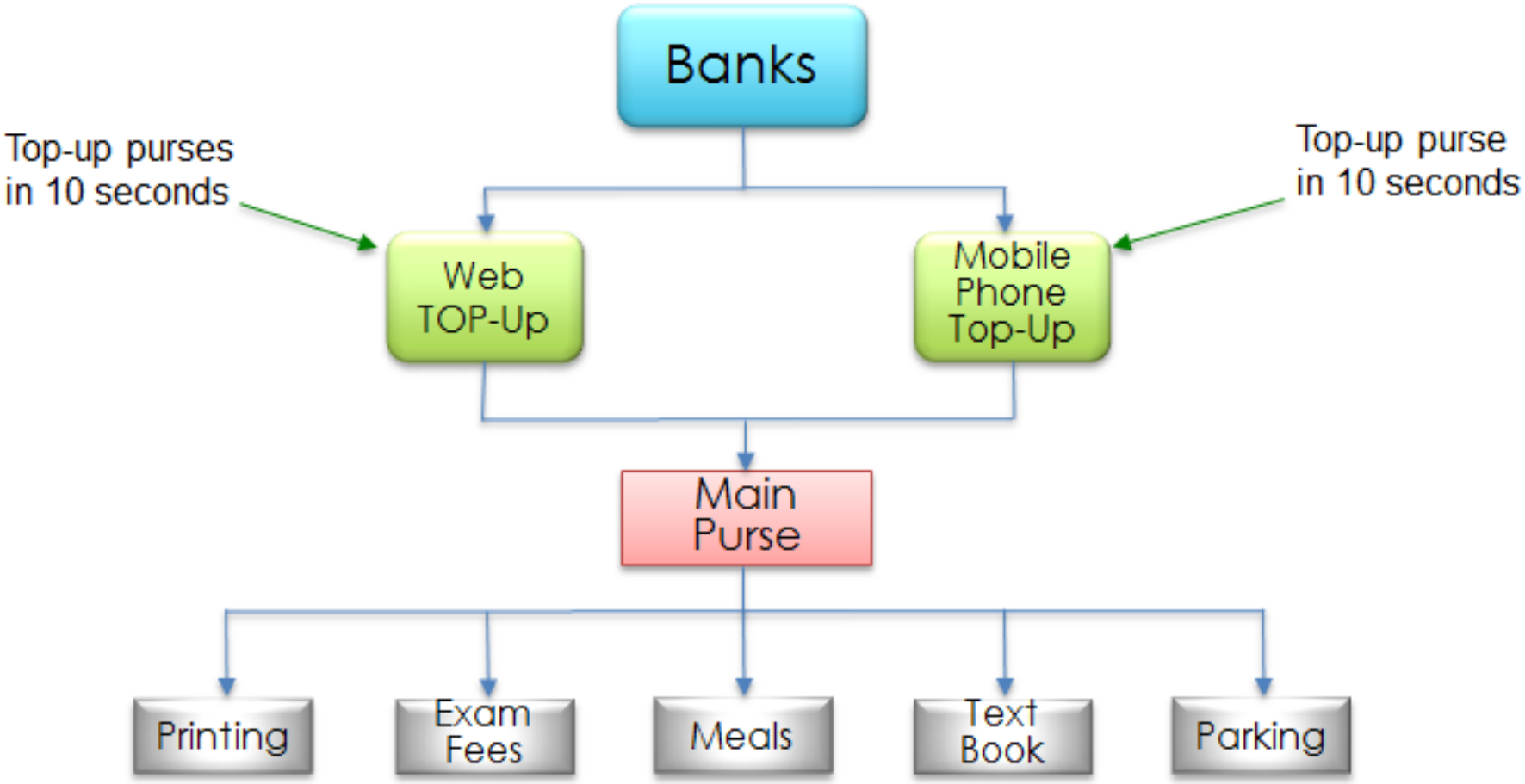


WEB Card Portal

- ✓ Web based portal
- ✓ Secure Real-time access
- ✓ Available 24/7
- ✓ User Friendly portal
- ✓ Fast real time top-up option
- ✓ Control Card Finances
  – individual E-purses
- ✓ Transparent / greater visibility for user



Top-Up & E-Purse Structure



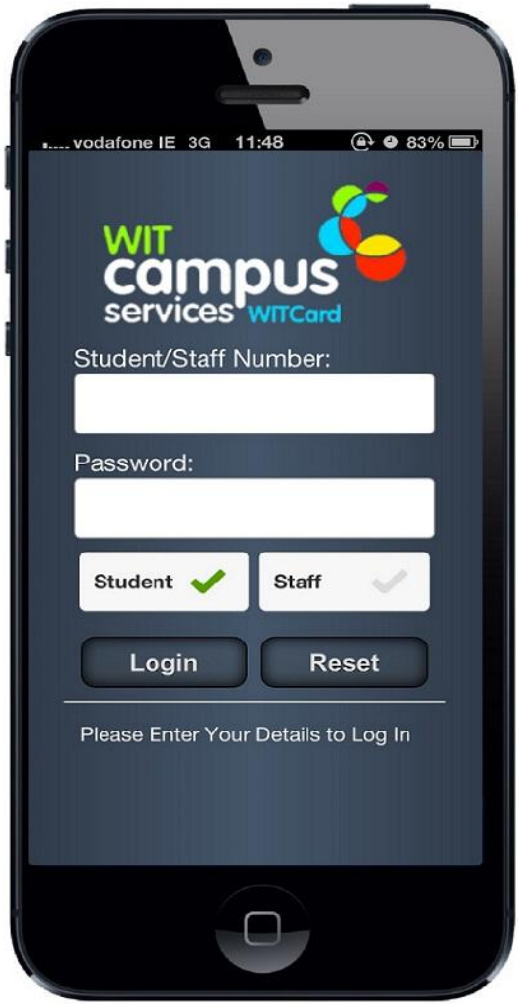
Card Top-up Options

Web Card Portal

Mobile Phone App

Mobile Phone App

- ✓ Smart Phone App
- ✓ Secure real-time access 24/7
- ✓ Easy-to-use
- ✓ FAST - Real-time top-up
- ✓ Transparency/ visibility



Login Screen

Home Screen

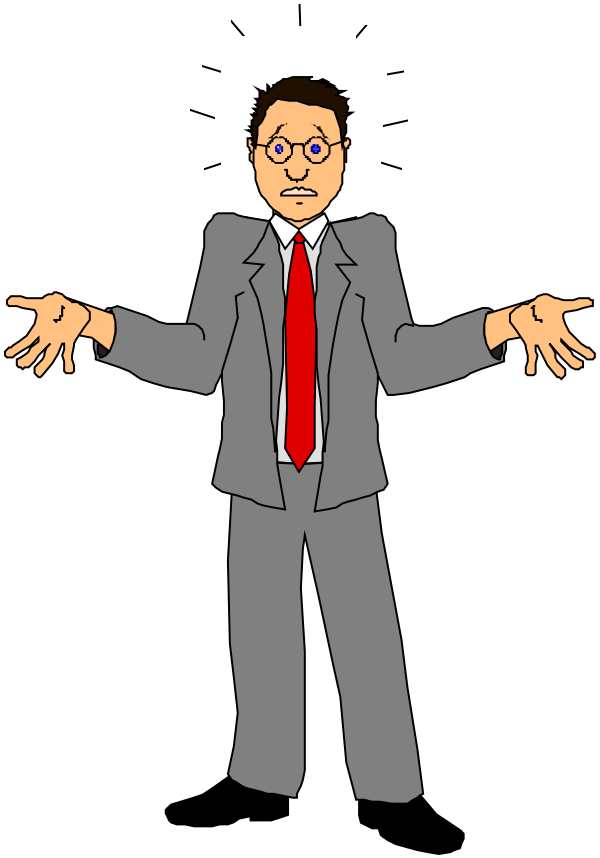
What's Next for the new WITCard

- Implementation of the SCM module
- Print kiosks and cloud based printing
- On-line and Self Service Card production
- Further development in the Smart phone App
- Dual Campus & Bank Debit Card

The Future Vision !!!!

- Non- proprietary access to the card system – standardized protocol
- Inter-connectivity of systems between HE Institutions
- **Multi Token** based systems – no dependence on a particular technology
- Web and **Mobile Phone** E-purse top-up
- Interoperability & Mobility
- **External Vendor Access**–e.g. Student Status
- E Payments
- Bank Card

Questions



Further Information on the WITCard available from:
www.wit.ie/witcard
Email: emckenna@wit.ie