

# **Challenges, Implementing and Running Identification Systems**

(Key aspects of panel IV presentation; 11th European Police Congress)

# Challenges, Implementing and Running Identification Systems

**SIEMENS**

- Introduction and definition of Identification (ID) Systems:
- Duties and responsibilities of ID Systems:
  - personalisation and enrolment of users
  - capturing biometric characteristics of a person
  - creation of templates
  - matching of biometric characteristics

## Challenges Implementing Identification Systems

- Implementing ID Systems has to take into account interactivities, interoperability between domains :
- Organization:
  - adapt internal organization
  - define new roles for employees
  - provide training
- Processes:
  - establish biometric enrolment
  - biometric verification

## Challenges Implementing Identification Systems

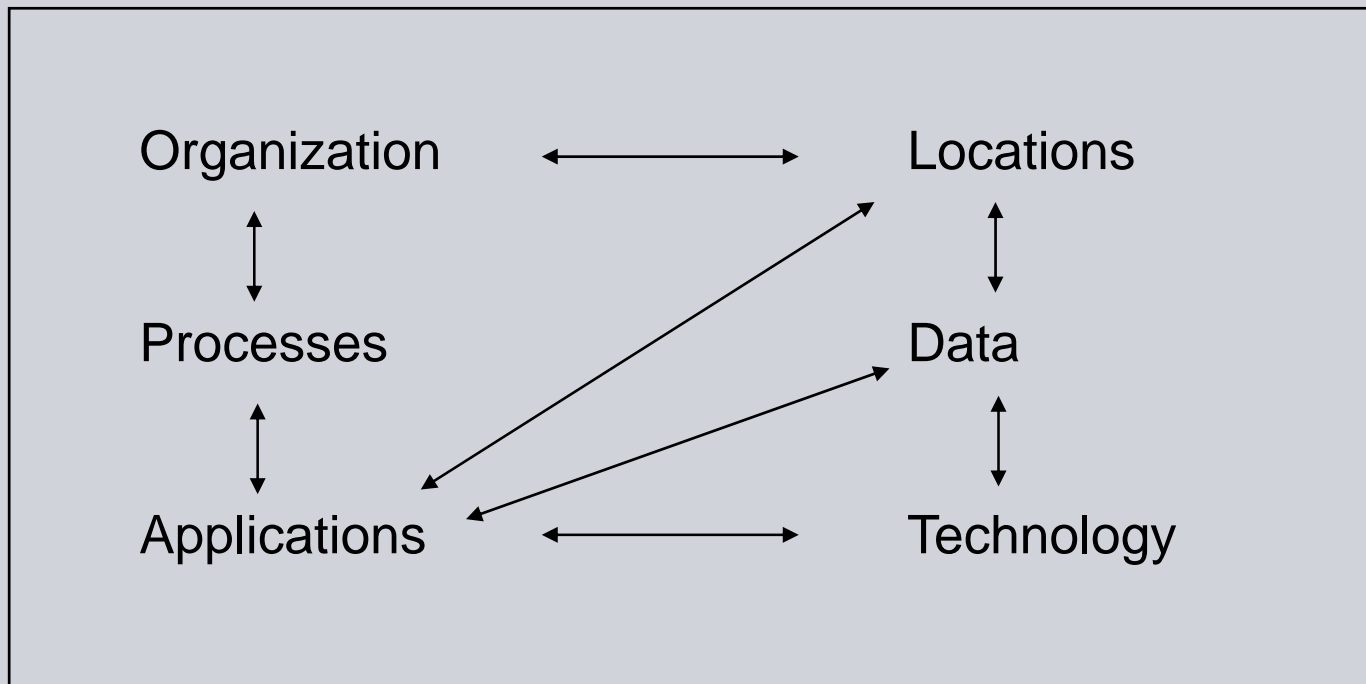
- Applications:
  - data capture applications
  - validation application
  - checkpoint application
  - card management system
  - card operating system
- Technology:
  - public key infrastructure – trust centre
    - principles: -key generation and distribution
    - authentication
    - basic & extended access control
  - network upgrade
  - capture and verification products

## Challenges Implementing Identification Systems

- Data:
  - upgrade civil register
  - archive image
  - upgrade blacklists
  - connect to international registers
  - key distribution
  - revocation lists
  
- Locations:
  - upgrade data capture sites
  - upgrade checkpoints
  - centralize e ID production
  - upgrade site security

## Challenges Implementing Identification Systems

### Summary



- To combine in time, budget and quality above named domains of change to an all embracing interoperable system.

## Challenges running Identification Systems

- Maintenance and service concept:
  - arrangements concerning user problems
  - arrangements concerning technical problems
  - processes, workflow and ways of communication
  - response times in detail
  
- Reliability and sustainability of investments; i.e. long term commitment of providers
  
- Financial stability of providers