GLOBAL FORUM 2001

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VIRTUAL SERVICES IN THE INFORMATION SOCIETY

david.ankri@wanadoo.fr

co-chairman of e-government
TB10 e-Europe smart cards

SMART IS Marketing, Fr.

The objective for e-Government TB is to achieve definition and rationalisation for the implementation of an european model for digital procedures based on smart cards to facilitate Business and Consumer to Administration and e-Government on line services :

C to A or G 2 C
  promote personalised services
  single point of access to services

B to A or G 2 A
  promote more effective use of government's information resources

TB10 e-Government
Key principles

- User-centric (consumer C to A or professional B to A)

- Industry-led / respect of competitive forces

- Administrations agencies involved as clients and users

- Open to all parties interested (including global/non-EU players)

TB10 e-Government
Key principles

- Focus on secure access to Internet-based services

- Will rely on European strengths : PKI smart cards , ES , and Digital cities network

- Public sector involved for political issues (e-voting) and transnational actions

eEurope

1. **E-government :online administrative forms cheaper, faster, secure declarations of Business to Administration**

a) **Chamber of commerce: CHAMBERSIGN 10 EUROPEAN COUNTRIES/**
AUSTRIA, BELGIUM,France ,Germany,ITALY,NL, UK, SPAIN, ...

b) **Secure networks and certificates authorities:**
MDS/MEFI   plan of deployment
c) UK GOV GATEWAY : first phase on c to a,
d) Spain Mint ceres, ace ,... certificates for taxes payment

Government to business in usa

- Government to business:The US federal government executed more than $10 billion dollars worth of electronic procurement in 2000,

- . The Internet promotes closer collaboration and relationships between business and government throughout the supply chain, reducing inventory requirements, shortening billing cycles,

G2B with procurement portals.

- Organisations are especially able to streamline high-volume, low-cost purchases by linking online catalogues with procurement cards.

-   Denmark, is using Microsoft BizTalk Server to develop an electronic and dynamic procurement catalogue called RAK@T, which has the potential of being used by more than 30 countries and districts participating in the project

G2B e-procurement

- As in the private sector, governments are also looking to the benefits of reverse **auctions**, where sellers bid down instead of up against one another for specific orders until a winner is declared.

- The largest federal government reverse auction to date, hosted **by Ariba**, the leading B2B e-commerce platform provider, is on the www.buyers.gov portal.

G2B / A2B & B2B

- To accelerate and broaden the B2B and B2G marketplaces, the Universal Description Discovery and Integration (UDDI) initiative has been launched :

- To define a platform-neutral set of conditions to enable organisations to conduct e-commerce transactions and establish a shared globally distributed business registry.

cXML is a lightweight XML based standard for G2B

- for exchanging supplier content and transactions over the Internet.

- It supports all supplier content and catalogue models.

-   cXML defines also a request/response process for the exchange of transaction information for purchase orders, change orders, acknowledgements, status updates, ship notifications, payment,...

2. Investing in people and democracy

a) European network of cities into the digital age:
 i.e. CYBERVOTE PROJECT

b)Social impact of citizen smart cards systems and services: i.e.
DISTINCT ,CAPUCINE

c) Participation for all citizen by e-voting and online administration
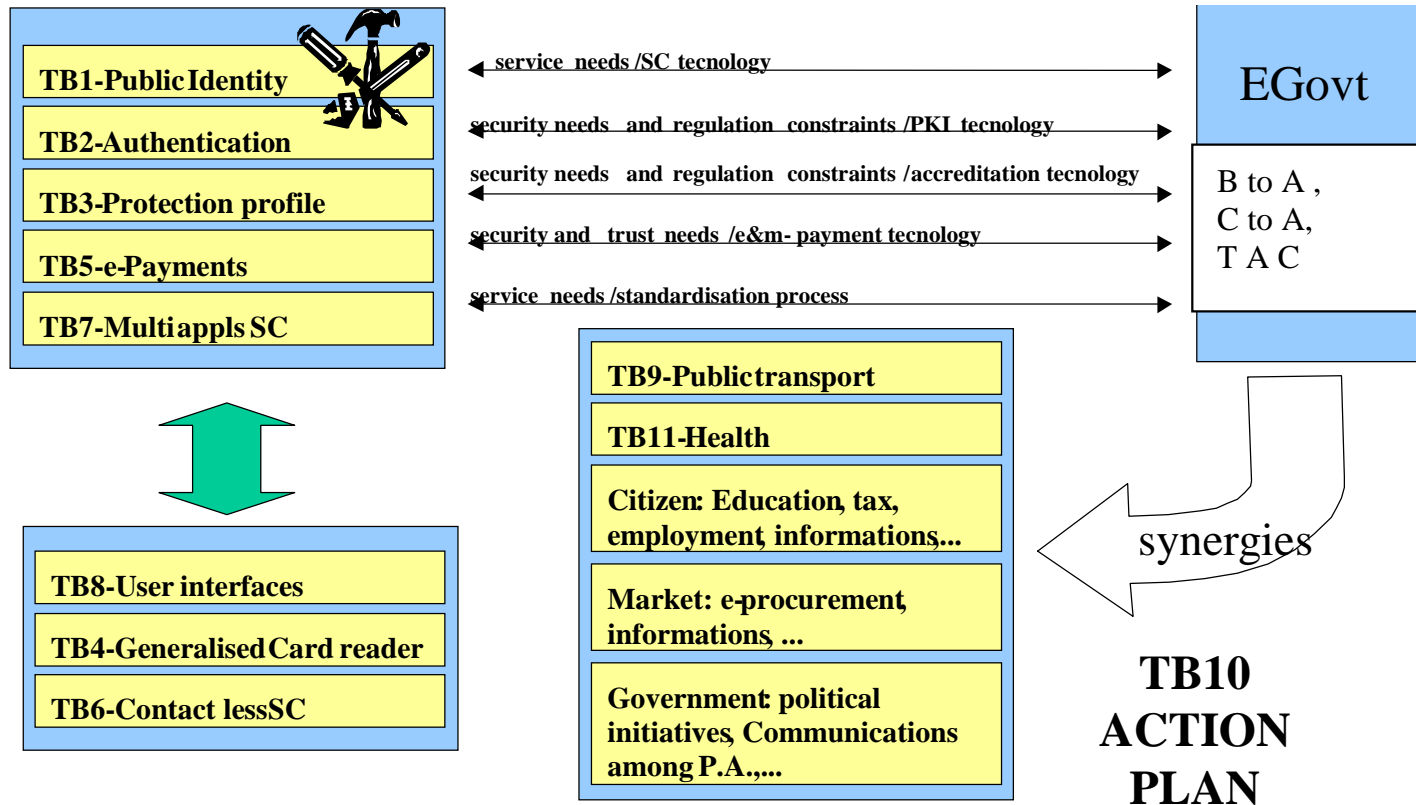sytems : i.e. Ventanilla Unica , demotek , CERES SPAIN

3. Transnational exchange of data and services:

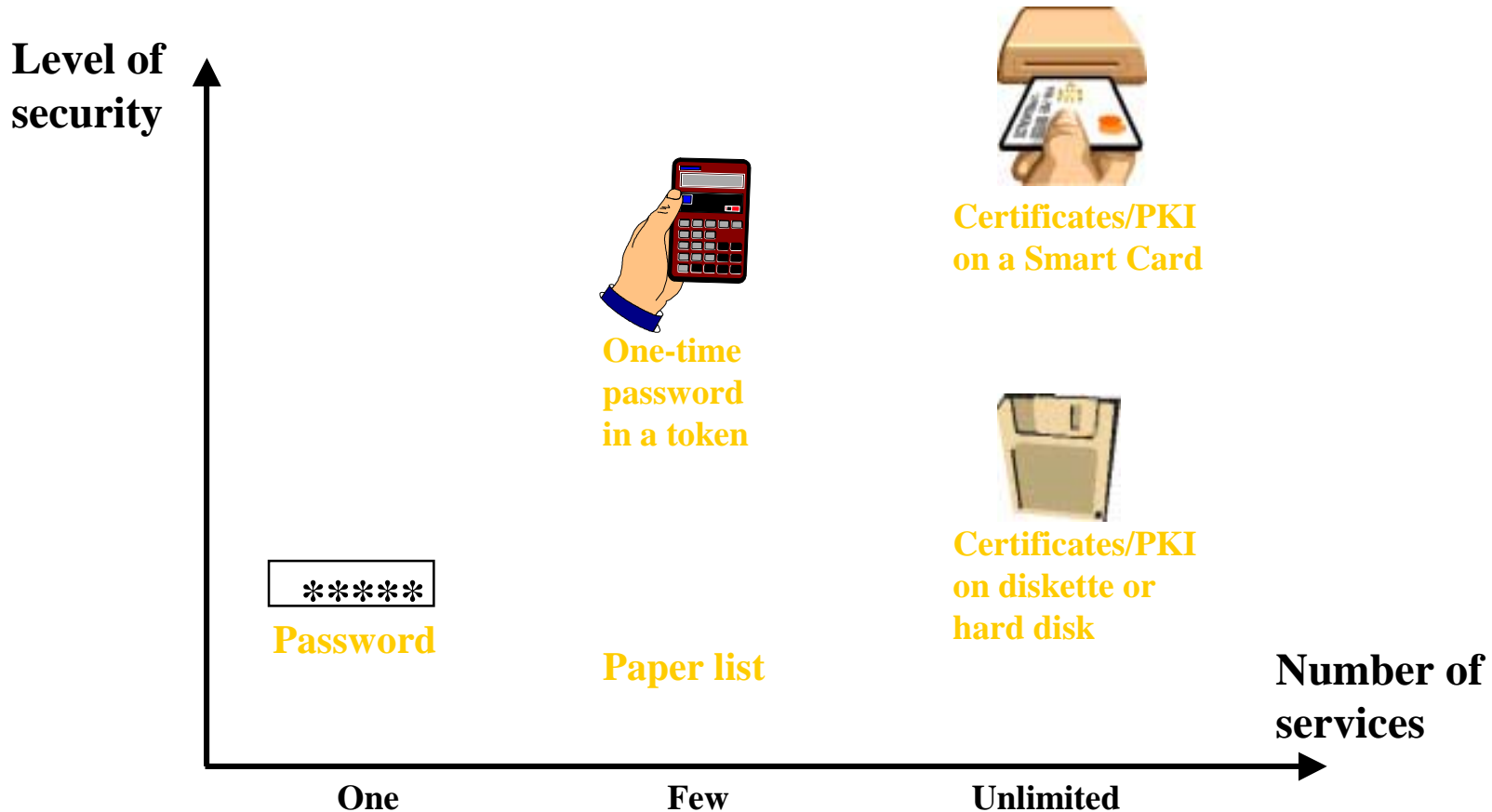a) Accelerating TAC for administrations exchange of data:

MEFI, AIPA, plus others GOV. Agencies and EU DG
b) Transnational telematics transport project / 3T
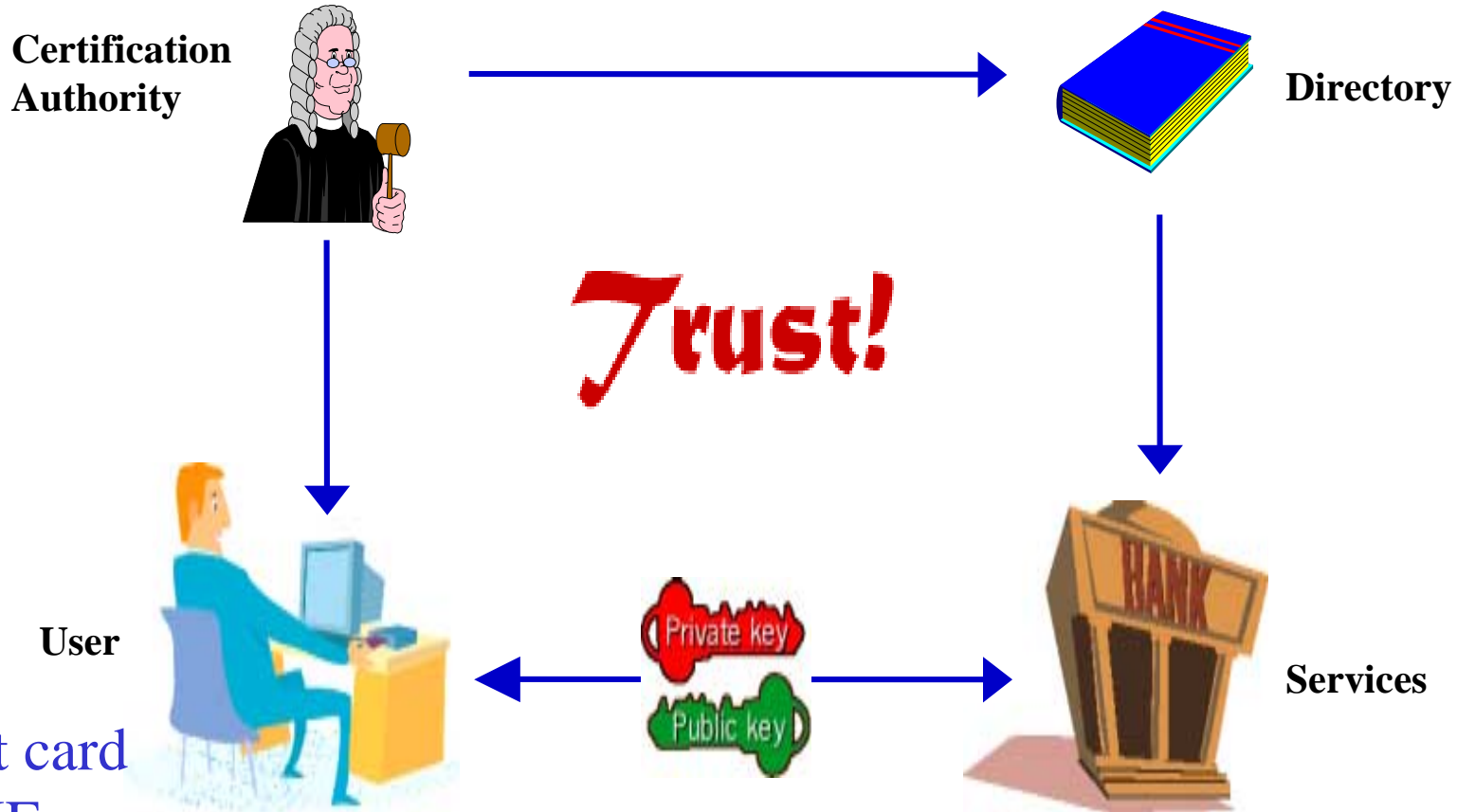for reducing fraud and administrative costs

TB 10 e-GOVERNMENT

TB1-Public Identity

TB2-Authentication

TB3-Protection profile

TB5-e-Payments

TB7-Multi appls SC

service needs /SC tecnology

security needs and regulation constraints /PKI tecnology

security needs and regulation constraints /accreditation tecnology

security and trust needs /e&m- payment tecnology

service needs /standardisation process

EGovt

B to A ,
C to A,
T A C

TB9-Public transport

TB11-Health

Citizen: Education, tax, employment, informations,...

Market: e-procurement, informations, ...

Government: political initiatives, Communications among P.A.,...

TB8-User interfaces

TB4-Generalised Card reader

TB6-Contact less SC

synergies

TB10 ACTION PLAN

The importance of smart cards

Level of security

Certificates/PKI on a Smart Card

One-time password in a token

Certificates/PKI on diskette or hard disk

*****

Password

Paper list

Number of services

One   **Few**   **Unlimited**

The converging solution for a trust environment : Public Key Infrastructure(PKI)

Certification Authority

Directory

Trust!

User

Services

Smart card NAME

The Global Security Standard for IP Networks

SMART IS NAME ： eEurope SmartCards

DEFINITION OF A COMMON CARD HOLDER AUTHENTICATION MODULE

- USER ID

- X509 V3 certificate

- ISP REFERENCE

- KS and others

- PAYMENT Functions and others/ID, ES,..
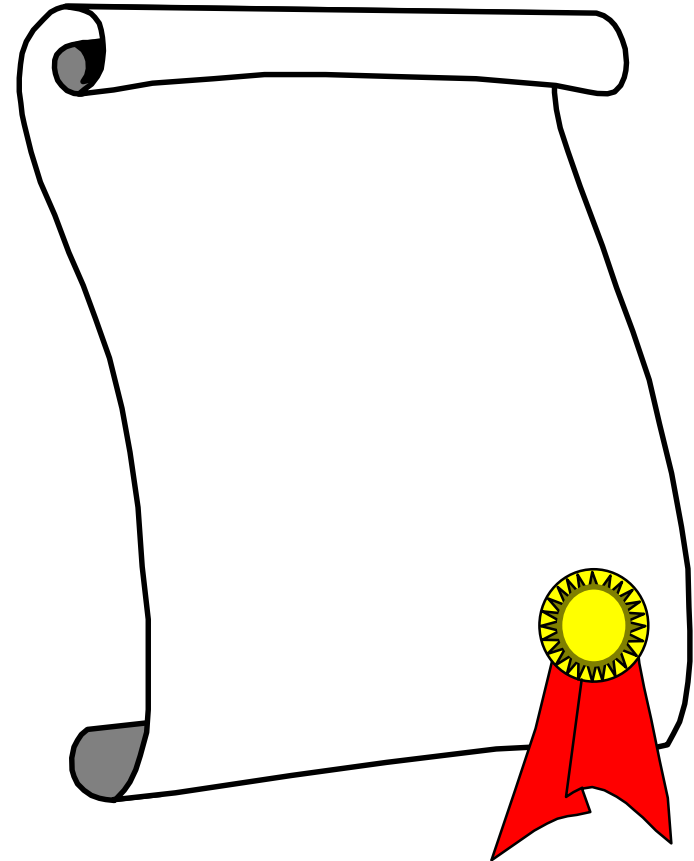
TB 10
Key Areas

- # Key Areas e-Government
  - Building trust
  - Enhancing usability
  - Improving access
  - Deploying new applications & services

TB10
Building Trust

- – Set of minimum security requirements

- – Harmonised security certification

- – Interoperable specifications for identification and authentication

- – Liberalisation of trade and use of cryptographic products and services

- – Fair cost conditions when using smart card

- – Protection and use of personal data

TB 10
Enhancing Usability

– Consistency of interfaces and operation

– Multichannel access points :PC , Set top boxes,

– Coherent use contact and contact-less cards

TB10
WP 1 - organisation

- **Set up a management board** :
- **David ANKRI convenor,Frederic TATOUT/MEFI vice convenor with others Administrations agencies to be included**
- **Aljosa PASIC,jean Michel /SEMA group SPAIN/ Secretary**
- **Coordinate and organise working groups:**
- **B to A: A.Pasic / sema , L.Millot/pentagram /uk**
- **C to A :JP .Quignault/ unaf , A.grossman/SESA-axiome/germany**
- **TAC:Dawn Gallety/EC,A.Ulshen/ Zurich univ.**
- **To involve main administrations bodies** : **coordination studies,survey studies,proposal for ES implementation and coordinated e-Government actions**

eEurope
SmartCards

WP 2
Individuate Area of interest in each WG

- **Scope of e-government actions**
- **Links to others TB and consistent interfaces**
- **Promote initiatives**
- **Definition studies:proposed policy , architecture,**
- **Dissemination**

TB10
WP 3 - Scheduled Actions

- **Harmonise national priorities**
- **Plan national and transnational public actions:**
  - **B TO A, e-PROCUREMENT**
  - **C TO A**
  - **CITIZEN SERVICES PROJECT**
  - **E-voting**
- **Scheduled TB relationships**

Citizen Smart Cards Systems and services:Objectives

- **To empower the individual to access resources in the physical world and over networks, anytime, anywhere with privacy and security:easy access to administrative forms and services**

- **To raise the prospect of smart card technology to a mainstream computing platform for trust and e-democracy:consultation of citizen**

- **To support Internet access to all users and finance it by a percentage on transactions and a fee on cards**

Local Plan of Information

- We are not building the City of the Future. We are anticipating the ineluctable evolution of the Information Society with:
- Public Accesses to Internet
- 100 % Schools Connected
- Information Technologies for all

An Interactive Web site

Welcome in the digital city
Issy on line
Official Site

City Hall
Business
International
Tourism
Information Technology

Created in May 1996 (www.issy.com)

– 17.560 Visits(August 2000)

– 115.000 read pages

– More than 1.200 citizens registered to the local diffusion list

– Numerous Prizes

– All the Town Services on line

LAURÉAT 97
Trophées
MultiMédiaville

Public Accesses to Internet

- 20 P.C. dedicated to the Médiathèque (about 375 connexions per day)
- Médiathèque Catalogue on line
- 5 P.C. in the Youth Space Center
- Cyber-Tearoom
- Administrative Center
- Sport Center

New e-services

- 100 % Schools Connected
- Multimedia Discovery Classes
- Visioconferences Holidays Camps
- The First Technowedding in the Digital History
- The First Cyber-Nursery

Interactive Town Council

• 5000 homes subscribing to the cable are connected to this interactive service. The audience can intervene during the session, by phone (Numéro Vert) or by mail.

• CONSEQUENCES
• Revaluation of the Activities of the Town Council,
• Setting back the Town Council into the heart of the local life.

• 20 % electronic mail via internet. 98 % are satisfied or very satisfied with the experience

e-citizens ?

- The First World Wide Forum on e-Democracy, Issy-les-Moulineaux – March 2000

- Internet Transforms Relationships between Citizens & their Elected Representatives.

- How can IT facilitate a more active and constructive citizenship?

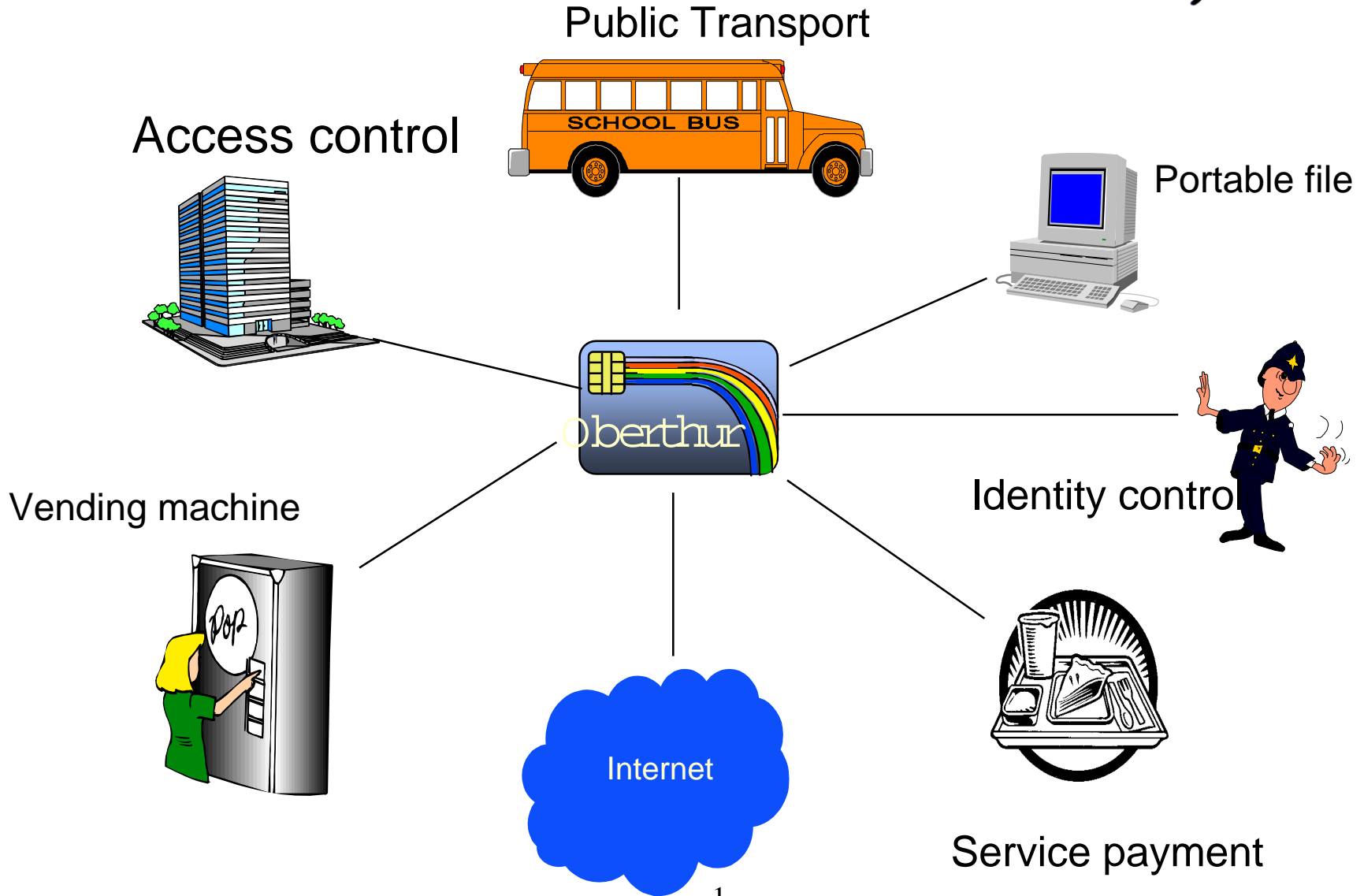- The e-voting / more citizens taking part in elections ?

Multi-Application Smart Cards

Public Transport

Access control

Portable file

Vending machine

Oberthur

Identity control

Internet

Service payment

1

Contactless smart card :
Combining high security printing and advanced semi-conductor expertize

eEurope
SmartCards

Secured silicon chip

ISO standard sized

Oberthur
Mr John Martin

High security processes printing available

Contactless
RF Communication

New materials for card body polyester

Personalisable (photo, fingerprints)
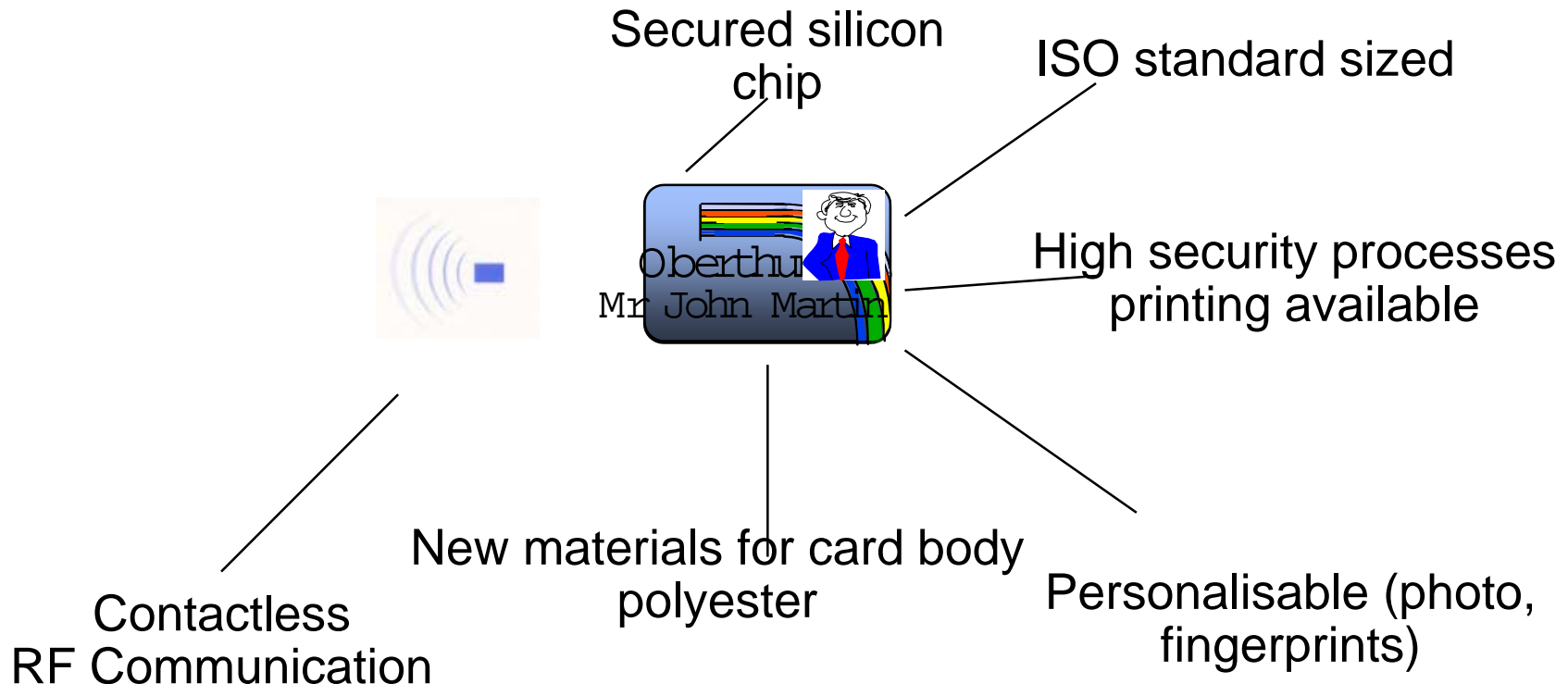
CITIZEN ID Contactless Cards

TB10 - e-government / C to A applications
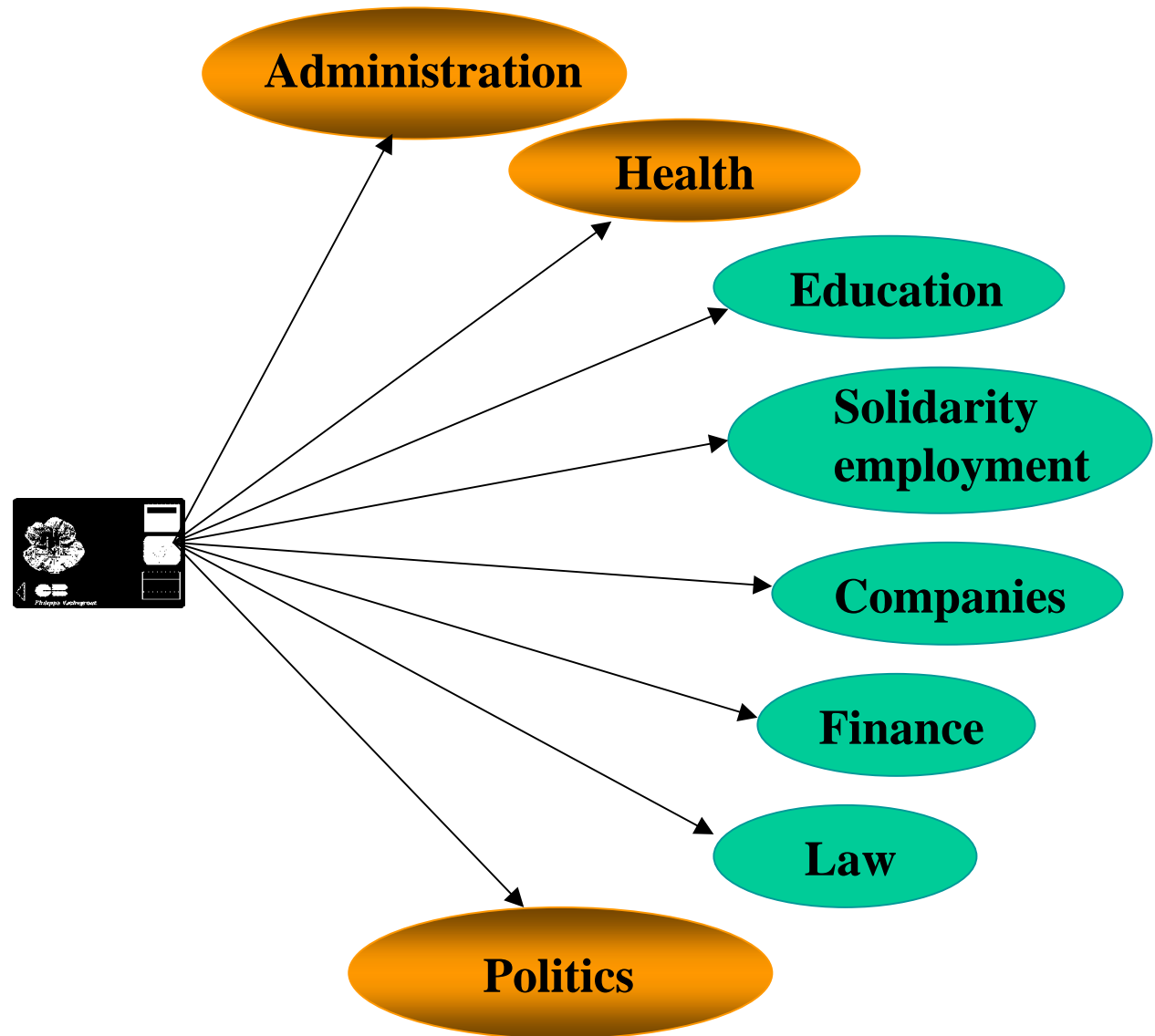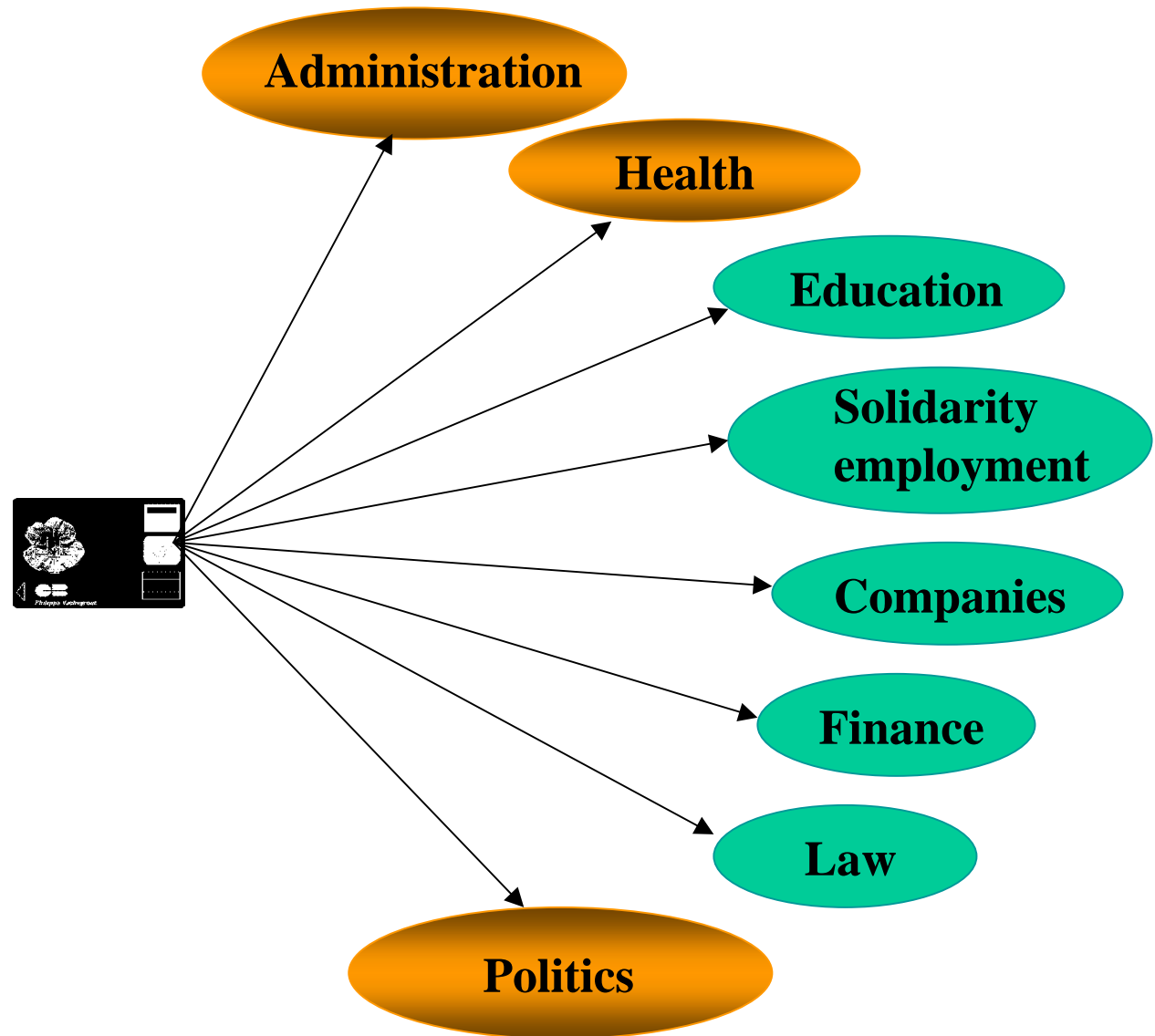
Supporting measure proposal: Creation of a thematic network of citizens, consumers and families in order to:

- Identify needs and new applications / services simplifying administrations / citizens relationships

- Identify conditions of appropriation

- Define programs involving administrations, cities organisations, Governmental bodies, citizens associations,…

- Prototype secure smartcard based access to social and administrative applications for European citizens.

C@pucine - a new concept for citizen life and e-democracy

- Administration
- Health
- Education
- Solidarity employment
- Companies
- Finance
- Law
- Politics

C@pucine - a new concept for citizen life and e-democracy

eEurope SmartCards

Administration

Health

Education

Solidarity employment

Companies

Finance

Law

Politics

C@pucine - how is it going to work?

eEurope SmartCards

C@pucine

Security for the Citizen

A boost for the economy

Certification body
Human and children rights

Administration

Services

Employment

Internet

%

Environnement

Politics

Consumer

Citizen   NGO

Solidarity Fund
Ethics
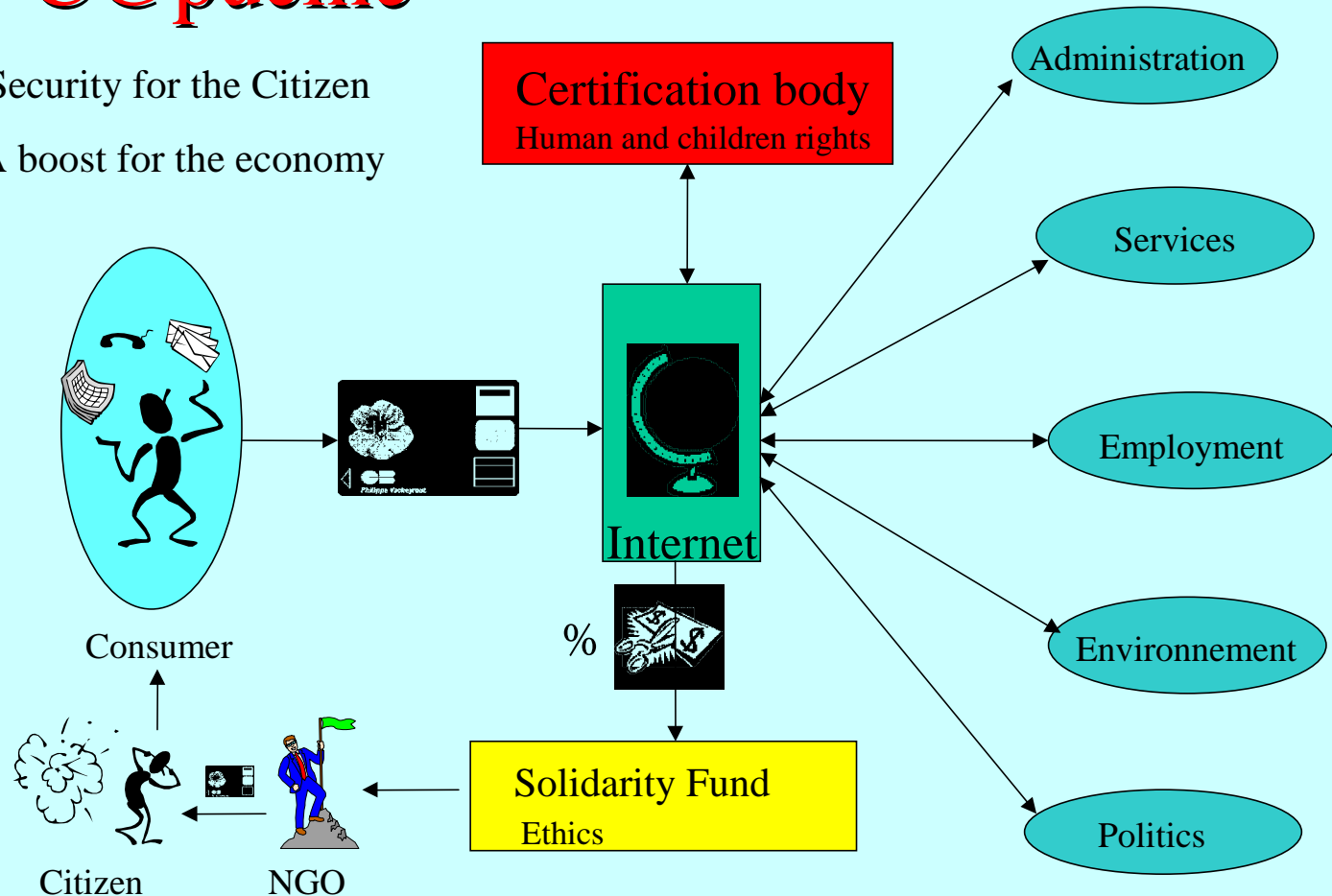
We need a Global Dialogue

global cities dialogue

Cities are essential to the process of building a fair Information Society because they are the geographical, political, socio-economic and cultural entities where millions of people live, work and directly exercise their rights as citizens and consumers.
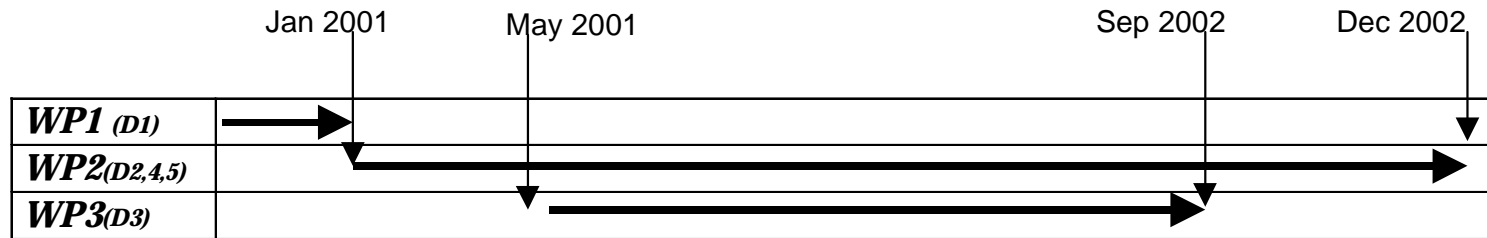
TB 10 Action Plan

- Demonstrate Access to essential administration services with smart-card based authentication almost everywhere in EU by end 2002

- Availability of secure e-infrastructures for access to government services and for public procurement by 2002

- Dissemination of findings results and pilots
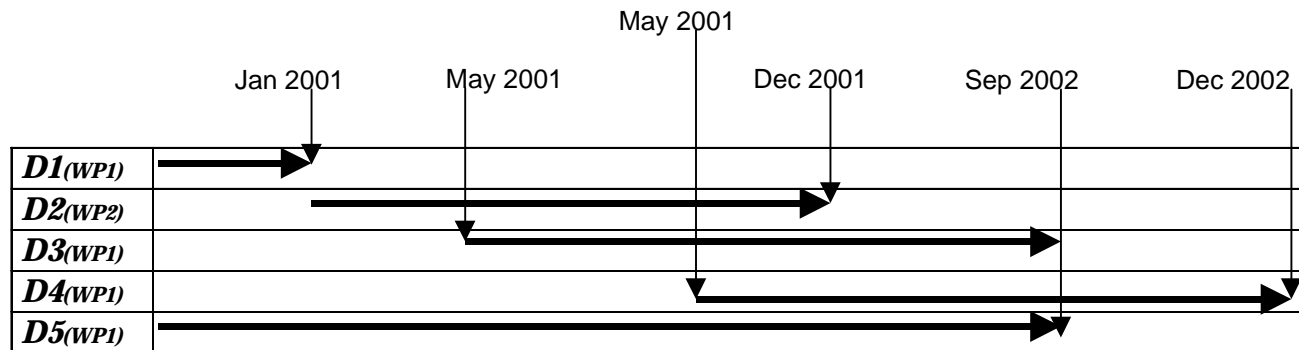
TB 10 e-Government Deliverables

Deliverable	Description
- D1 - **Organisation**	Create the necessary constituency and support through an email list, physical meetings, updates and interaction with the parties interested while reporting to the Chair of the *e*Europe Smart Card Charter.
- D2 - **Working areas**	Collect the national initiatives and, when possible, feasibility studies. At the same time, explore the government and political priorities about the projects in wich is involved the smart card. Trailblazer 10 should give priority to that projects based on the use of Public Identity. In fact, several member states have already acknowledged their interest to public identity through various national projects. Trailblazer 10, as other TBs, believes that such projects are an appropriate basis to work in the field of Public Identity that is likely to yield quick results with the minimum of effort.
- D3 - **Relationship**	Individuate the relationships and the links with the other trailblazers and synchronize the efforts of the different working groups.
- D4 - **Definition**	Based on the results of the inventory, Trailblazer 10 shall define a common policy and architecture for functional interoperability and standardisation process.
- D5 - **Dissemination**	Choose, for each achieved initiative, the right manner for the dissemination of the results and obtain the political consensus to subscribe bilater, or larger, agreement among the member states.

TB 10 e-Government Deliverables

WP Timeframe

	Jan 2001	May 2001		Sep 2002	Dec 2002
WP1 (D1)	→				
WP2(D2,4,5)		→			→
WP3(D3)			→	→	

Deliverables Timeframe

	Jan 2001	May 2001	May 2001	Dec 2001	Sep 2002	Dec 2002
D1(WP1)	→					
D2(WP2)		→		→		
D3(WP1)			→		→	
D4(WP1)				→		→
D5(WP1)	→				→	

eEurope SmartCards

Coordination of e-government actions

Allegory
The *Smart Card* Symphony