



THE FUTURE OF E-IDENTITY AND SECURE E-GOVERNMENT

DISASTER RECOVERY SEMINAR - GIBRALTAR

Alexandre Caldas

4th of February 2010, Gibraltar





Summary

- Towards a definition of e-identity
- e-Security and Critical Infrastructures
- Singletons and Multiples on e-Identity
- Long-term View on e-Identity
- Big Fallacy: The Digital world is unavoidable
- Challenges for e-Identity: ... after tomorrow

WHAT?

HOW?

WHY?

WHEN?

WHY-NOT?

WHAT-IF?





The Future of e-identity ...after tomorrow?

WHEN all services are provided electronically and quite “naturally” people and organisations, Citizens, Business, Government **INTERACT** electronically.





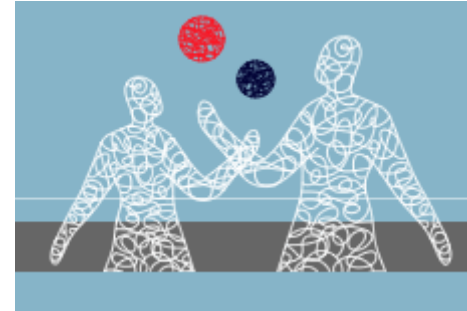
The Future of e-identity ...after tomorrow?

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What is “e-Identity”?



The way Citizens, Business, Organisations and Public Services identify to each other within digital infrastructures and other electronic communication networks.

E-IDENTITY IS DIFFERENT IN DIFFERENT “spaces”, and different “times”. There should not be a SINGLE way of IDENTITY, but MULTIPLES .

Assurance of widely available ACCESSIBILITY or capacity to multiple IDENTIFICATION means (this means a positive EFFORT towards ACCESSIBILITY).





E-Security and Critical Infrastructures





CANADA: International Best practices on e-Governance



>70% Citizens

In Canada, more than 70% Citizens replied to a national Survey 2007

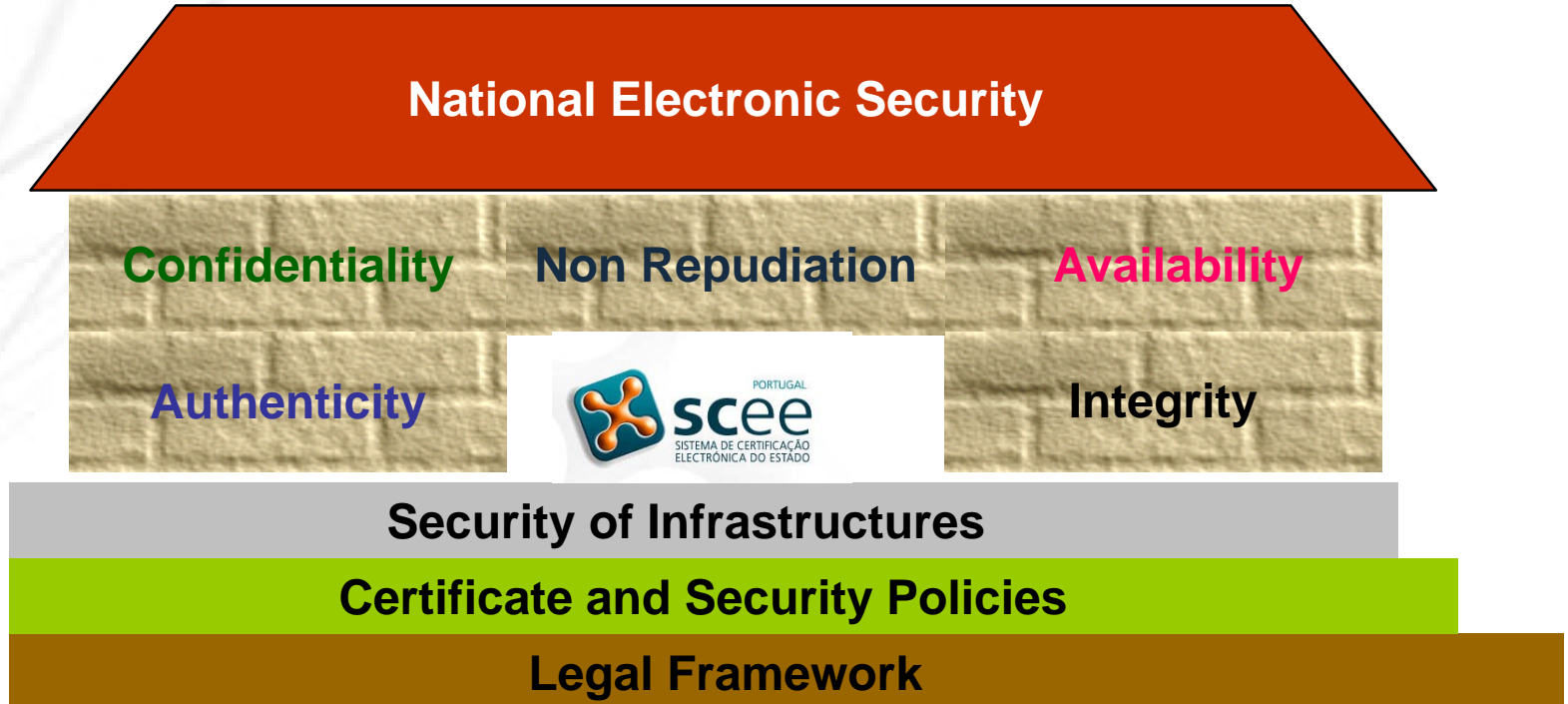
Only INTERACT with e-Government Services

IF SECURITY IS FULLY ASSURED





- **eGovernment Projects and SECURITY ASSURANCE**





PARTNERS – DISASTER RECOVERY PROJECT

Partner I

Presidência de Conselho de Ministros CEGER -
Centro de Gestão da Rede Informática do Governo.

Partner II:

Govern de les Illes Balears Conselleria dEconomia,
Hisenda i Innovació.

Partner III:

Government of Gibraltar Ministry for Enterprise, Development, Technology &
Transport Information Technology & Logistics Department.

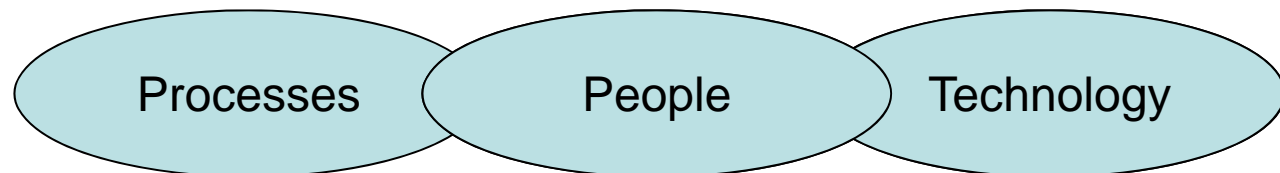




OUR GOAL

DISASTER RECOVERY

The project aims to implement advanced mechanisms for recovery operations in the event of contingencies such as serious safety accidents or disasters that may affect the technological infrastructure and information systems and therefore the physical and logical security of all information stored, processed and outstanding on the Web.





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OUR OBJECTIVES DISASTER RECOVERY

- Protecting critical information of the participating institutions ensuring high data availability, applications and services of government activity;
- Implement robust processes of Backup and fast recovery and effective technology infrastructure, data and applications, avoiding disruption of government's activities;
- Ensure redundancy in applications and data over local continuity and contingency relocated geographically;
- Minimize the extent of losses of downtime of systems;
- Provide recovery plans and continuity in the event of accident or disaster, preparing the organization for these situations;
- Ensure credibility with citizens and users;
- Improve productivity by streamlining processes, methodologies and sharing of know-how;
- Allow work on alternative sites for Internet connection via the system of contingency;
- Raise awareness and disseminate the knowledge gained to other institutions and companies in the space SUDOE.





LIST OF COSTS OF CEGER READY TO VALIDATE BY THE FIRST LEVEL CONTROL 04 FEB 2010

Supplier	Cost €	Cost + VAT €	Cost Type
PT PRIME	11.040,00	13.248,00	Consultancy for feasibility analysis to build the Datacenter
DATINFOR	58.810,00	70.572,00	Equipment
EMC^2	45.830,00	54.996,00	Contract of SAN equipment and its maintenance contract
NOVABASE	57.333,33	68.800,00	Supply Hardware and OS of the New Platforms
GFI	74.000,00	88.800,00	Technology consulting services to the Department of Projects and Internet
GFI	8.221,67	9.866,00	Technology consulting services to the Department of Projects and Internet
Júlio Alves, Mário Baptista & Associados	5.250,00	6.300,00	Auditing costs
Diverse suppliers	16.776,02	20.131,22	Lisbon Seminar Costs: Room rental, catering, publications and management
Totals	277.261,02	332.713,22	
PROJECT BUDGET		733.333,33	
% To Validate		45,4%	





Some Comments on the Present Situation of the Project

PROJECT INDICATORS		
	Unity	Objective
Realization		
Communication tools	Nr.	7
Telecommunications network projects to encourage the application of ICTs	Nr.	4
Contingency Plans	Nr.	4
Capitalisation Events	Nr	8
Results		
Information Protection Systems Created	Nr.	4
SUDOE Area with improved access to ICTs	Km2	97.395,5
Impact		
Actors (organizations, companies, SMEs, etc..) connected to the created Networks of Telecommunications	Nr.	3



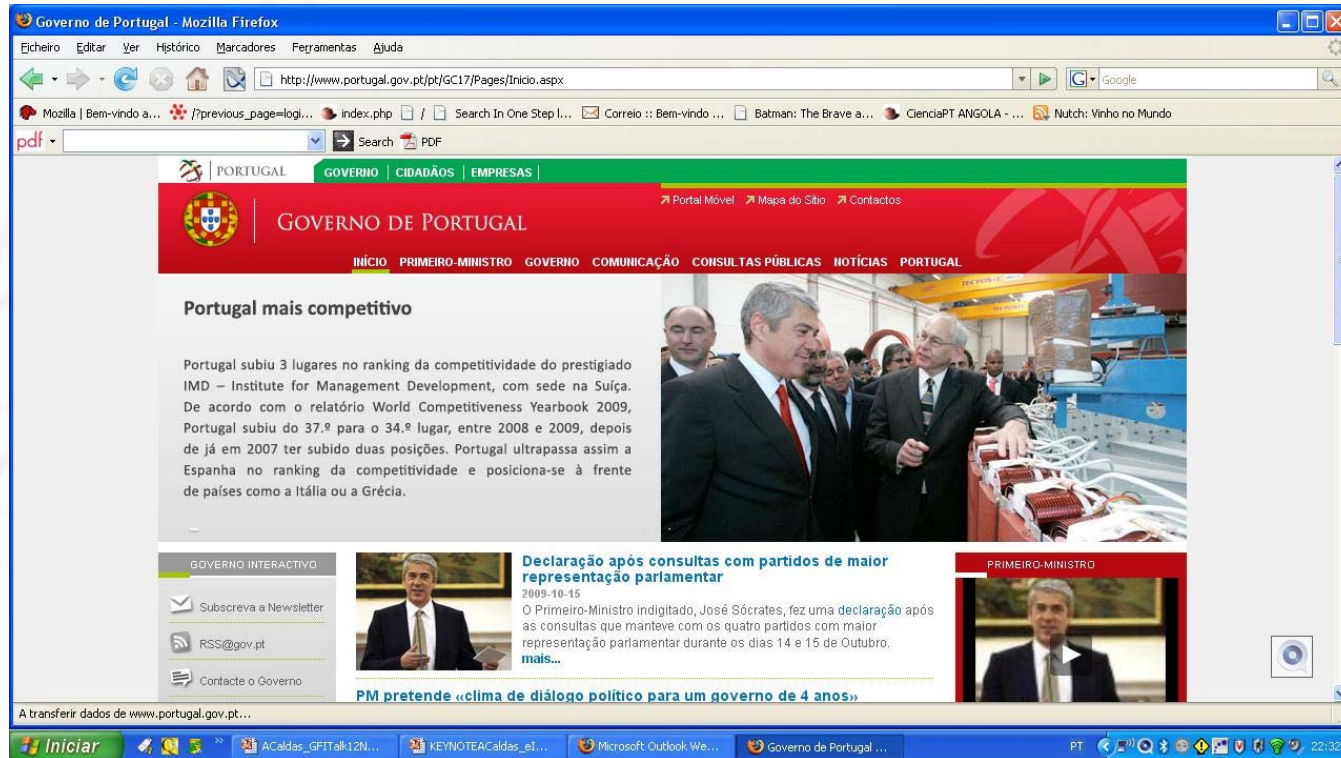


Singletons and Multiples ... on e-identity





Government Web Portal



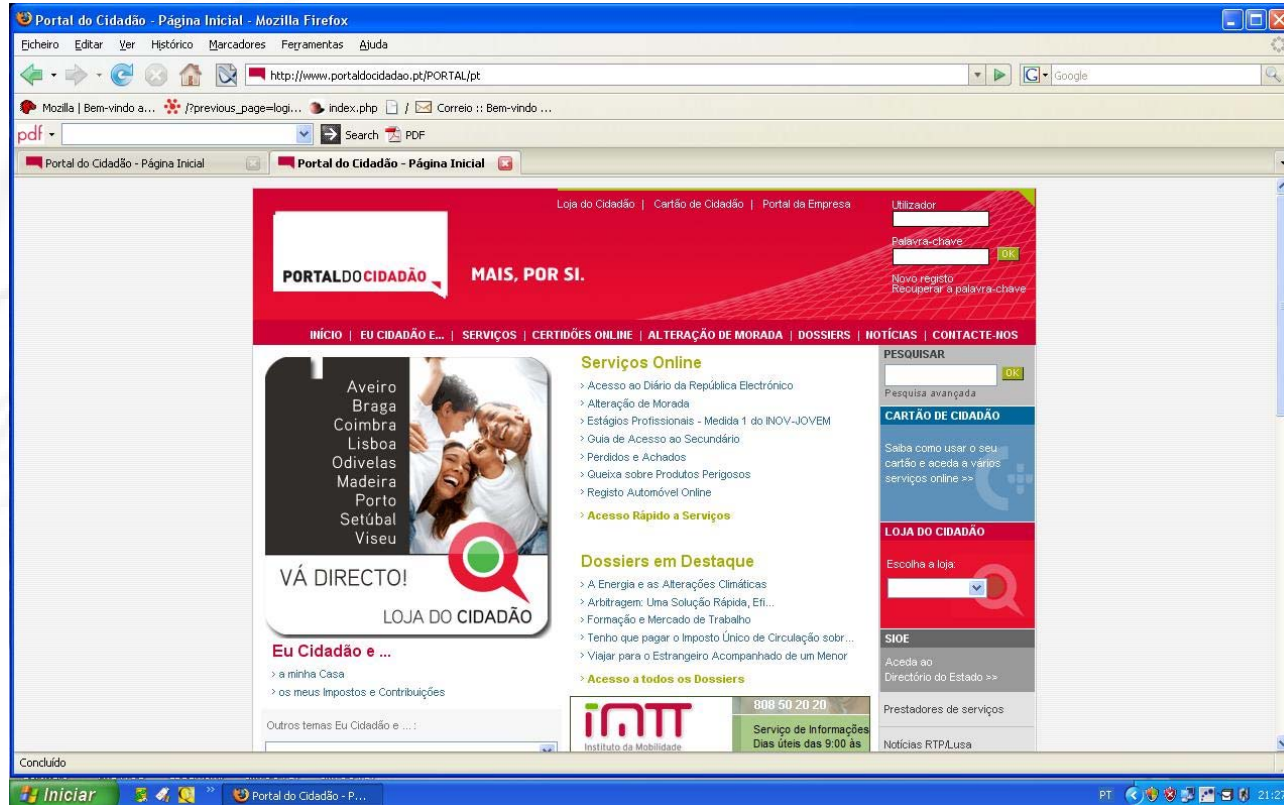
www.portugal.gov.pt

Portuguese Government Web Portal





Citizen's Web Portal



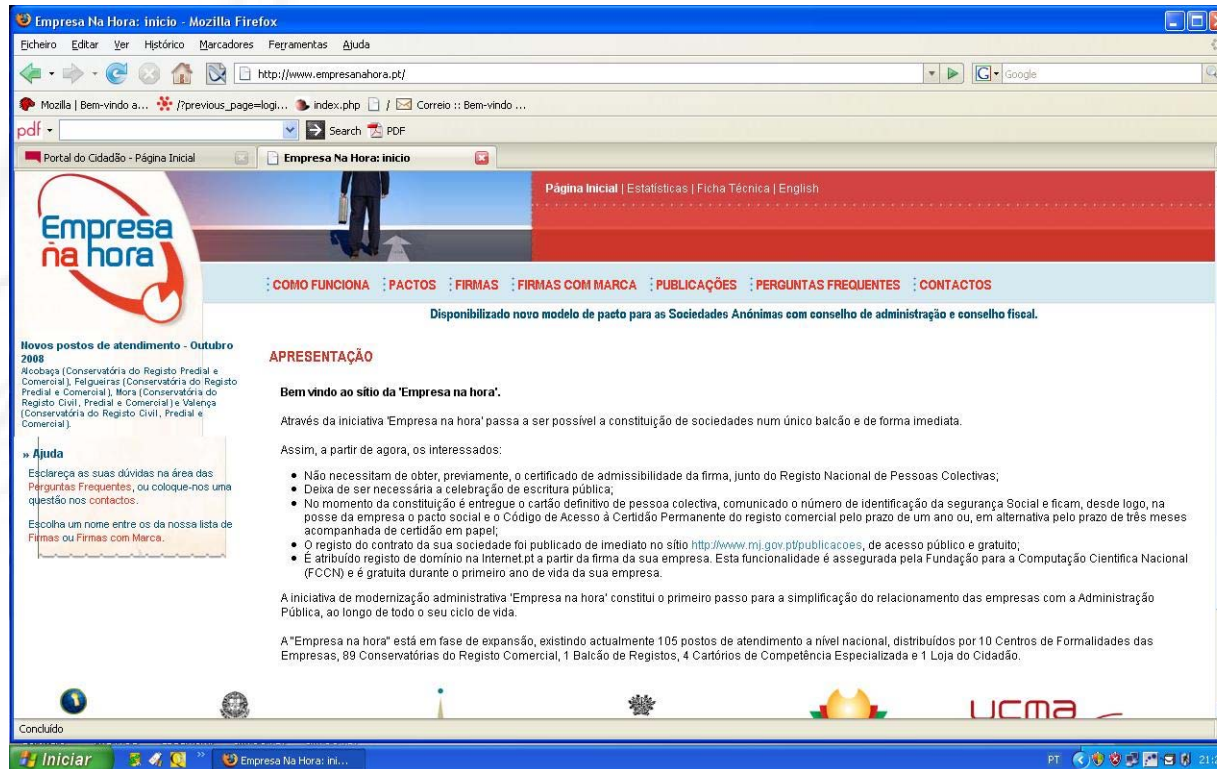
www.portaldocidadao.pt

Citizens Portal





Business Web Portal



www.empresanahora.pt

Business





Citizen's ID Card

- Identity
- Social Security
- Tax Service
- Health



Citizen's Card

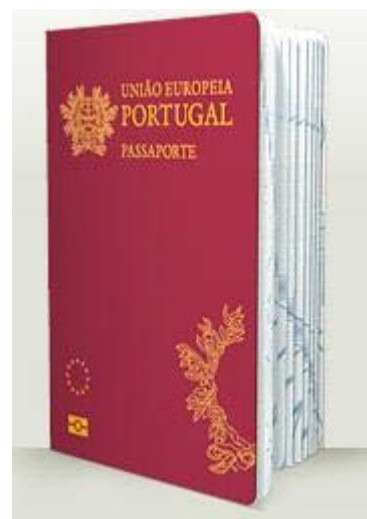
www.cartaodecidadao.pt





Portuguese e-Passport

- International Identity
- Security
- Interoperability

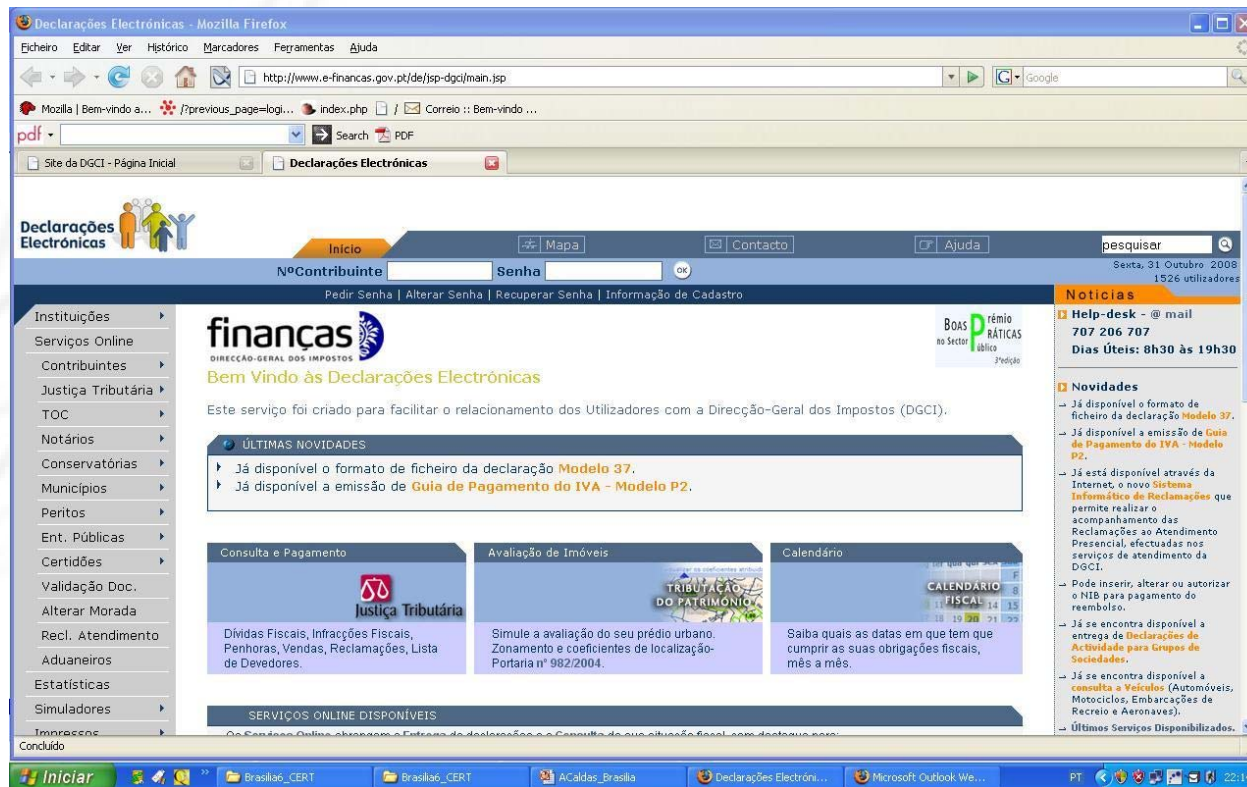


PePassport
www.pep.pt





Tax Bureau Services ...



www.e-financas.gov.pt

Tax services for Citizens and Business





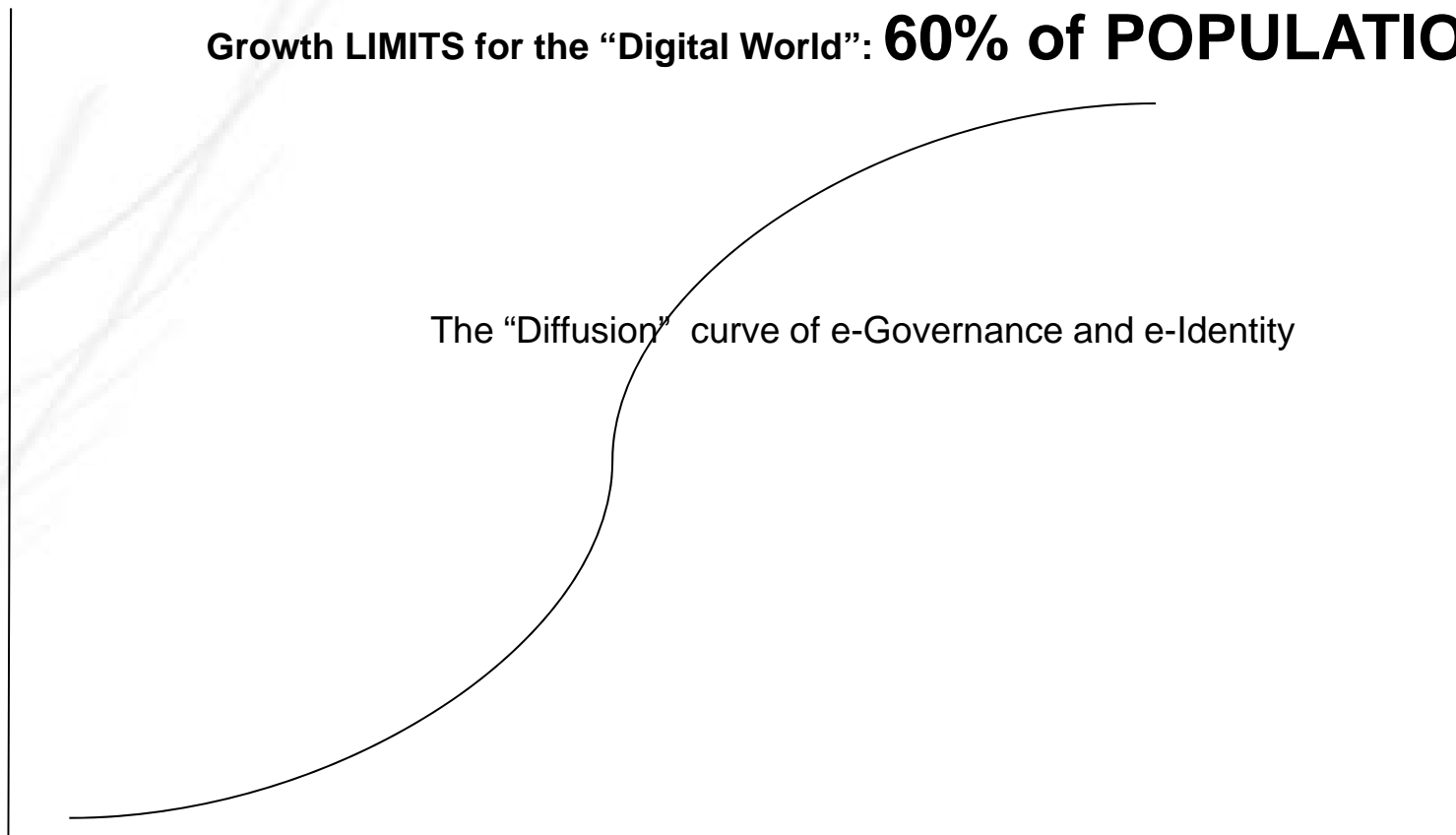
Big Fallacy: The digital world is unavoidable!





Recent research from Oxford indicate a PLATEAU of 60% for DIGITAL WORLD

Growth LIMITS for the “Digital World”: 60% of POPULATION





Long-term View on e-Identity





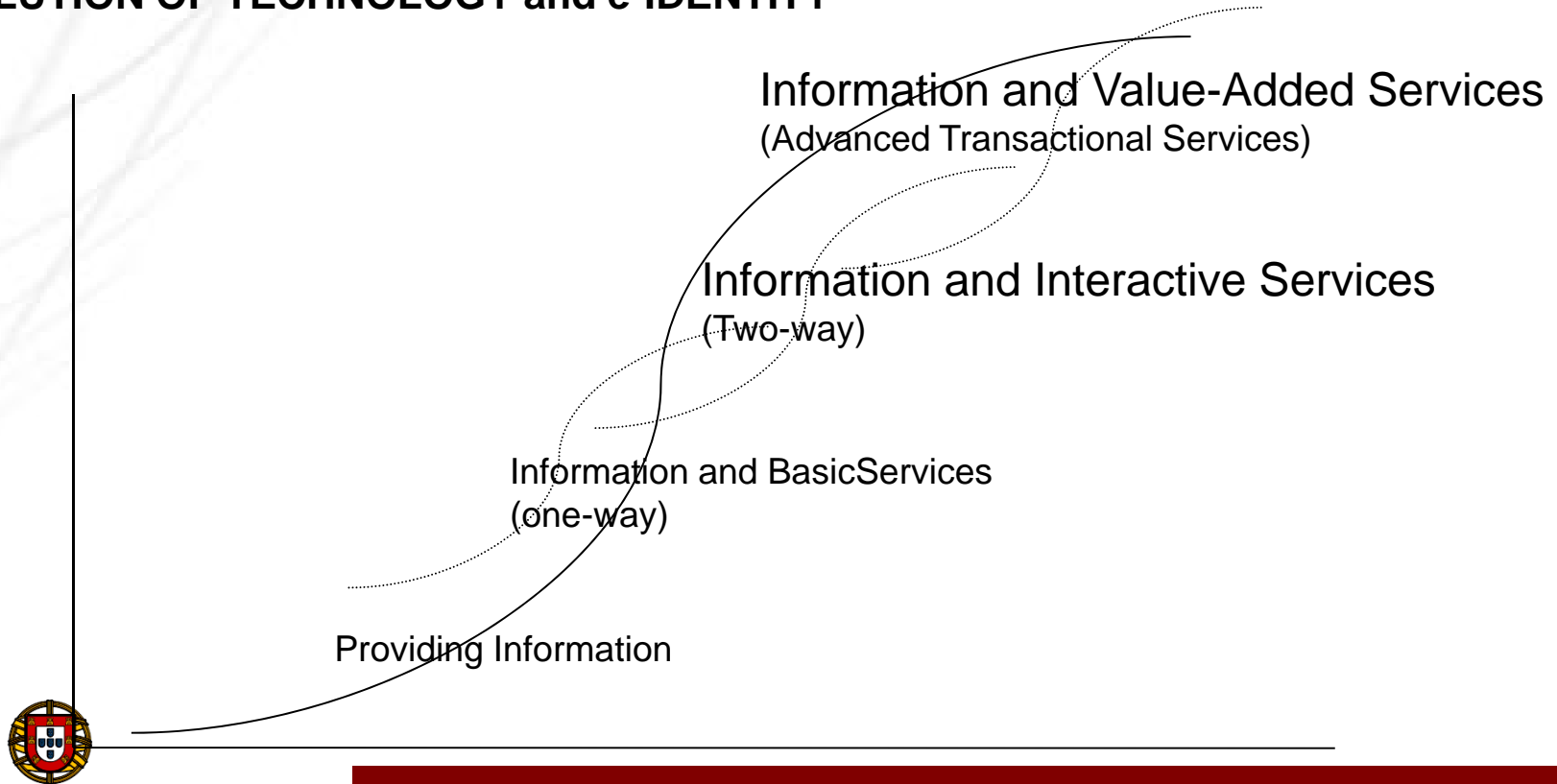
eGovernment international paradigms



Evolutionary model As a Long-term and evolving PROCESS

e-governance and e-identity
PROVIDING INFORMATION AND SERVICES TO CITIZENS, BUSINESS
AND THE STATE

CO-EVOLUTION OF TECHNOLOGY and e-IDENTITY

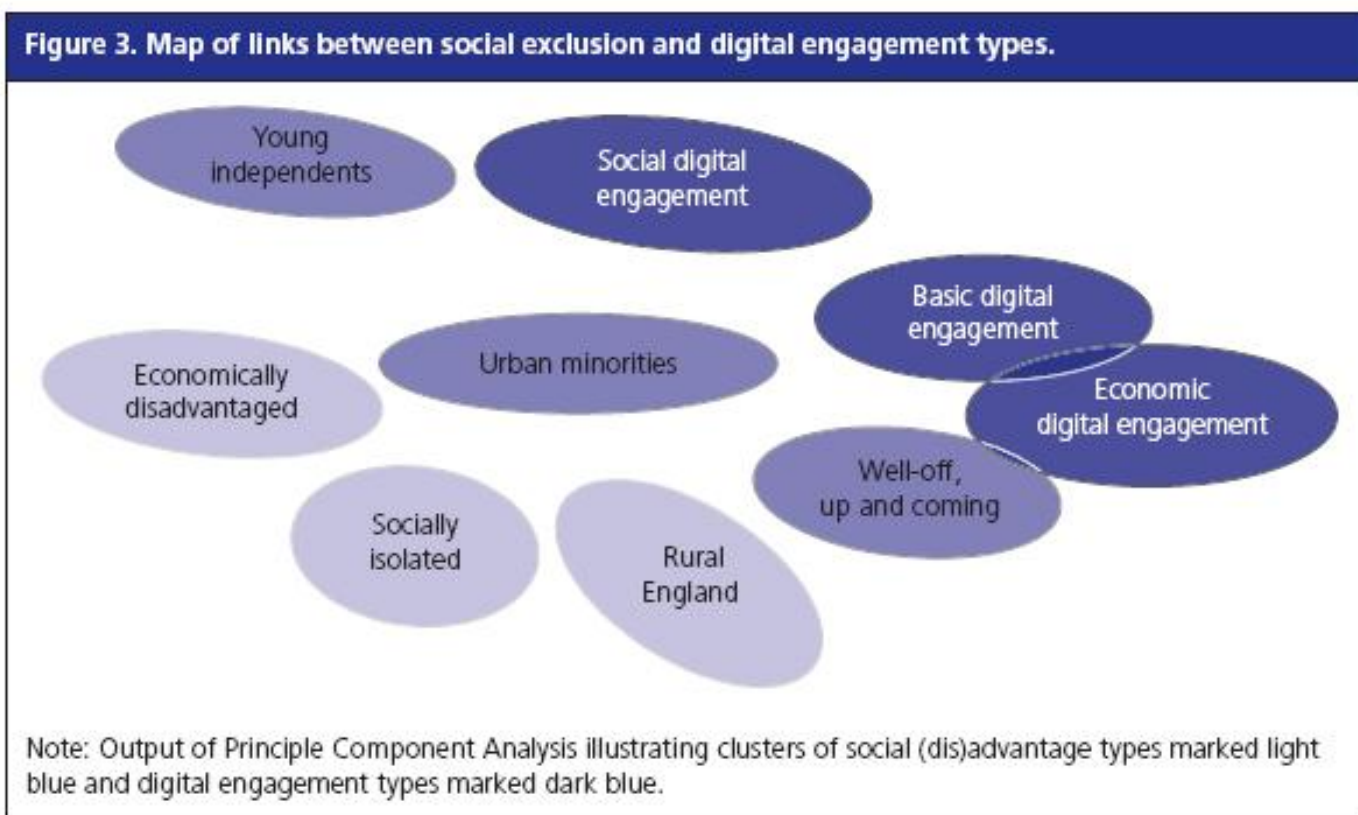


Challenges in Long-Term Preservation of Information and e-identity in Digital Networks

- **How different** is Government information in terms of requirements for e-identity?
- **How “Long”** is the “Long-term” for e-Identity?
- **Who is to be accountable** for violation of e-Identity?
- **The Technology frontiers** for Long-Term e-Identity?
- **Major Barriers** for Long-Term e-Identity?
Institutional frameworks, legal, ethical, ...
- **How to balance Information preservation with Identity and Security?**

KEY CHALLENGES on “co-digital IDENTITY” ... THE DAY AFTER TOMORROW

SOCIAL EXCLUSION and DIGITAL INCLUSION Challenges for Digital identity



In “Digital Inclusion: An Analysis of Social Disadvantage and the Information Society”, <https://www.communities.gov.uk/documents/communities/pdf/digitalinclusionanalysis>



Online government initiatives are not reaching the most excluded.

This is not just about access. Government-related activities on the Internet such as to increase participation and electronic access to services are undertaken mostly by more sophisticated ICT users. Designers of government services need to understand that the socially and economically disadvantaged people who could benefit most by accessing their services will be the least likely to (be able to) use electronic means.

This emphasises the need for multi-channel approaches that provide alternative ways of accessing services; mediated access to online services where there are no alternative non-electronic channels, and building people's confidence and ability so that they have the choice to use them independently in the future.

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THANK YOU! OBRIGADO! GRACIAS!

The FUTURE of e-Identity and SECURE GOVERNMENT

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