

# SOME OF E-GOV AGENDAS SUPPORTED BY SMART ICT TECHNOLOGIES

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# Research background:

- EU/7FP/SMART – SMART TECHNOLOGIES
- EU/7FP/RESPECT – FOR HUMAN RIGHTS AND SMART ICT
- EU/7FP/CONSENT – SOCIAL NETWORKS
- MAINLY BASED ON RESEARCH IN THE EU NMS
- //ERDC/FM/UNIBA/SK – E-EUROPE R&D CENTRE

# SELECTED E-GOV AGENDAS SUPPORTED BY SMART ICT TECHNOLOGIES

- e-Government
- e-Signature
- e-ID
- e-Invoicing and e-Procurement
- e-Health
- e-Surveillance
- e-Inclusion
- e-Education
- e-Content and e-Libraries
- e-Knowledge and e-skills
- e-Infrastructure
- e-Democracy
- e-Schengen

# E-GOVERNMENT

- G2G – LACK OF SHARING DATA, RATHER HAVING OWN DATA/FUNDING
- G2C – LACK OF SUITABLE SERVICES AND PROBLEMS WITH ACCESS TO EXISTING ONES ESPECIALLY THROUGH M-GOVERNMENT
- G2B – MISSING E-ONE-STOP-SHOPS & E-SERVICES FOR SME
- G2EU – PROBLEMS IN IMPLEMENTATION OF EU LEGISLATION LIKE E-SIG, E-PROCUREMENT, ETC.

# E-SIGNATURE

- PROBLEMS WITH NATIONAL IMPLEMENTATION OF PARTICULAR EU DIRECTIVE 1999/93/EC
- RESULT: 27 DIFFERENT VERSIONS IN 27 EU MS
- IN SOME COUNTRIES FOR FREE IN SOME OTHER FOR A NOMINAL FEES
- LACK OF APPLICATIONS LIKE E.G. TAX DECLARATIONS, ETC.

# E-ID

- IN THE EU TWO BASIC: EU PASSPORTS
- NATIONAL ID
- NEITHER OF THEM PERFECT
- EU PASSPORT HAS A UNIQUE FORM BUT IN THE EU NOT NEEDED AND OUTSIDE IS AS A NATIONAL ONE WITH DIFFERENT VIAS REGIMES?!
- NATIONAL ID JUST ID WITHOUT ANY OTHER INFORMATION LIKE ON HEALTH, MEMBERSHIPS, CONSUMER GROUPS, ETC.
- NEEDED VARIOUS OTHER PERSONALIZED CARDS FOR TRANSPORT, SERVICES, MEMBERSHIPS, ETC.
- E-ID SHOULD SERVE ALSO AS E-SIGNATURE

# E-INVOICING AND E- PROCUREMENT

- THE SAME PROBLEM LIKE WITH E-SIGNATURE
- DIFFERENT INTERPRETATION AND IMPLEMENTATION OF EU DIRECTIVE 2014/55/EU & 2014/24/EU IN DIFFERENT EU MS
- 27 DIFFERENT NATIONAL VERSIONS
- EU SINGLE MARKET BUT WITH NATIONAL PREFERENCES E.G. TENDERS DOCUMENTS ONLY IN NATIONAL LANGUAGES AND ONLY SHORT ANNOUNCEMENT IN EU SYSTEM
- LOT OF CLIENTELISM, LACK OF TRANSPARENCY, ETC.

# E - HEALTH

- NOT YET EXISTING EU E-HEALTH CARD IN E-FORM
- EXISTING EU HEALTH CARD ONLY IN A PLASTIC FORM  
NOT EASY TO USE IN THE EU OR ELSEWHERE
- MISSING E-MEDICAL RECORDS
- TO USE EXISTING CARD IN OTHER EU COUNTRIES  
TOO RISKY FOR PATIENT AS WELL AS DOCTOR
- E-PRESCRIPTION ONLY IN EXPERIMENTAL FORMS
- MORE ATTENTION NEEDED TO M-HEALTH AS MOST  
AND MAINLY OLDER PATIENTS RATHER USE MOBILE  
PHONES THAN INTERNET, E-MAILS, ETC.



# E-SURVEILLANCE

- ORIGINALLY NOT A PART OF THE E-EUROPE STRATEGY
- BUT THANKS TO WIDE APPLICATION & AVAILABILITY OF MODERN SMART ICT. LIKE MOBILE PHONES, GPS, INTERNET, CCTV, SOCIAL NETWORKS, ETC...VERY EASY FOR WIDE E-SURVEILLANCE OF EVERY CITIZEN
- MOST ADVANCED E-GOVERNMENT APPLICATION WITH AVAILABILITY OF HUGE AMOUNTS OF BIG DATA, DATA MINING, BUT...
- IN MANY CASES IN VIOLATION OF SOME FUNDAMENTAL HUMAN RIGHTS ON PROTECTION OF PERSONAL DATA, PRIVACY, FREEDOM OF EXPRESSION, FREEDOM OF COMMUNICATION, DATA RETENTION, ETC.
- MOST NEGATIVELY EFFECTED PERSONAL DATA E.G. FROM SOCIAL NETWORKS THAT BECOME A COMMODITY FOR SELLING TO PRIVATE SECTOR, FOR COMMERCIAL NEEDS, E-MARKETING, SPAMS, ETC.

# E - EDUCATION

- LACK OF EU E-EDUCATION PROGRAMS WITHIN E.G. ERASMUS
- LACK OF ICT FOR E-EDU AND E-LEARNING
- UNDERUTILIZATION OF ICT IN SCHOOLS AS MOSTLY JUST FOR REGULAR CLASSES NOT FOR LOCAL COMMUNITIES
- NOT AVAILABLE FOR INFORMAL EDUCATION BEYOND REGULAR CLASSES
- NOT AVAILABLE FOR LONG-LIFE EDUCATION IN THE COMMUNITY AFTER SCHOOL CLASSES
- LACK OF EDUCATORS FOR ICT DUE LOW SALARIES AND LOW PRESTIGE THE SAME LIKE FOR ENGLISH
- IT IS MORE ATTRACTIVE FOR TEACHERS TO WORK FOR PRIVATE SECTOR THE SAME LIKE IN CASE OF FOREIGN LANGUAGES

# E-CONTENT & E-LIBRARIES

- VERY IMPORTANT PARTS OF THE FUTURE EU AS KNOWLEDGE BASED & INFORMATION SOCIETY BUT...
- E-LIBRARIES AS FUTURE KNOWLEDGE BASES FOR EXPERT SYSTEMS, DSS, ETC.
- THE CONVERSION OF EXISTING INFORMATION SOURCES LIKE BOOKS, EXHIBITIONS, MUSEUMS, GALLERIES ETC. MOSTLY LEFT ON VOLUNTARY WORK WITHOUT ANY EXTRA FUNDING?!
- LOT OF IMPORTANT E-CONTENT NOT YET AVAILABLE IN E-LIBRARIES, ETC.
- EVEN CATALOGUES IN SOME BIG LIBRARIES STILL BASED ON PAPER CARDS TO BE USED FOR SEARCHING...

# E-KNOWLEDGE & E-SKILLS

- NOT YET FULLY UTILIZED AN ENORMOUS E-KNOWLEDGE AND E-SKILLS COLLECTED UNDER THE EU FRAMEWORK PROGRAMS IN ICT/IST AS WELL AS FROM OTHER EU PROGRAMS
- USERS FROM EU MS PREFER RATHER RECEIVING THEIR OWN FUNDING FROM EU THAN TO USE READY-TO-USE RESULTS OF EU FINISHED PROJECTS
- THE ONLY SOLUTION IS TO CONDITION NEW FUNDS FROM THE EU BY SUCCESSFUL UTILIZATION OF EU RESEARCH RESULTS FROM EU FUNDED PROJECTS
- IN 7FP OVER 50 BIL. EURO (2007-13) , FOR HORIZON 2020 (2014-20) OVER 70 BIL. FROM EU BUDGET FOR R&D

# E-INSFRASTRUCTURE

- LISBON STRATEGY 2000 BASED ON CHEAP AND FAST BROADBAND INTERNET AS ITS MAIN BACKBONE TILL 2010
- NOW IN 2014 THIS IS STILL MORE THE GOAL THAN REALITY IN THE MOST ESPECIALLY EU NMS – NEW GOAL: HORIZON 2020
- INSUFFICIENT UTILIZATION OF AN ENORMOUS POTENTIAL OF MOBILE PHONES FOR M-APPLICATIONS BEING AT DISPOSAL TO ALL EU CITIZENS
- MOST M-APPLICATIONS DEVELOPED AND EXISTING THROUGH PRIVATE SECTOR FOR FEES THAN THROUGH PAP – PUBLIC ACCESS POINTS TO BE OFFERED BY THE NATIONAL GOVERNMENTS AND/OR THE EU INSTITUTIONS DIRECTLY FOR FREE!
- **E-EUROPE DIRECT** IS FINE BUT NOT FULLY COVERING PRACTICAL NEEDS OF ORDINARY PEOPLE AS IT IS MORE DEVELOPED FOR NEEDS OF PROFESSIONALS OR RESEARCHERS

# E-DEMOCRACY

- ONE OF THE FUNDAMENTAL PRINCIPLES OF THE EU – THE 1<sup>ST</sup> COPEHAGEN CRITERION, BUT...
- NOT YET EXISTING THE EU E-VOTING SYSTEM AS IT IS LEFT ON NATIONAL INITIATIVES E.G. FRA, EST
- ECI – INTRODUCED BY THE LISBON TREATY AS THE DIRECT DEMOCRACY BUT EVALUATION OF INITIATIVES TO THE EC BUT NOT EP?! AS YET MOST INITIATIVES REJECTED?!

# E-SCHENGEN

- THE LATEST SMART ICT FOR E-SURVEILLANCE & E-MONITORING & E-FIGHTING AGAINST INTERNATIONAL CRIME INCLUDING HUMAN TRAFFICKING AND SMUGGLING
- IMPLEMENTATION OF UN CONVENTION AGAINST TRANSNATIONAL ORGANIZED CRIME IN PRACTICE, BUT...
- MORE THAN 1.3 MIL. ILLEGAL IMMIGRANTS IN 2015
- BUL, ROM, CRO NOT YET IN SCHENGEN AS “ NOT YET READY TO MEET THEIR OBLIGATIONS...”
- SO FAR NO DEROGATION IN THE SCHENGEN LEGISLATION OR IN FIGHT AGAINST INTERNATIONAL ORGANIZED CRIME THAT JUST IN 2015 BENEFITED BY 6 BIL. EURO FOR HUMAN TRAFFICKING AND SMUGGLING?!

# MAIN RECOMMENDATIONS:

- E-GOV DEVELOPMENT ESPECIALLY IN EU-NMS NEEDS MORE INTEGRATED EU APPROACH
- BETTER UTILIZATION OF EU FUNDING NOT FOR OVERLAPPING NATIONAL ICT PROJECTS
- STRONGER EU LEGISLATION NOT EU DIRECTIVES BUT EU REGULATIONS
- INTRODUCE SYSTEM FOR SHARING EXPERIENCES WITH THE BEST EU COUNTRIES LIKE E.G. WITH NORDIC COUNTRIES IN E-HEALTH, ETC.