eDEMOCRACY

ANDREAS MEIER & LUIS TERÁN
INFORMATION SYSTEMS RESEARCH GROUP
UNIVERSITY OF FRIBOURG
Knowledge Society

LEVEL III Participation
- eCollaboration
- eDemocracy
- eCommunity

LEVEL II Production
- eProcurement
- eService
- eContracting
- eSettlement

LEVEL I Information & Communication
- eAssistance
• eDemocracy
• Pyramid of forms of participation
• Variety of electronic voting and elections
• Opportunities of eVoting and eElections
• Process steps for eVoting and eElections
• Operation of eVoting and eElections
• Analysis of multidimensional data
• Public Memory
• Project: Vote Smart
eDemocracy enables citizens, through the use of information and communication technologies, to exercise their rights and fulfill their obligations in the information and knowledge society in a time and place independent way....
Pyramid of the forms of participation

Increase of personal involvement of citizens

Increase the complexity of public issues

Choice of political candidates for topical issues or programs

Decision over proposed alternatives in political issues

Collaboration in public projects, developing bases of decision-making

Decision of complex issues in citizen forums

Exercise of civic duties, use of eGovernment

eElection

eVoting

eParticipation

eDiscussion

eGovernment Portal

Forms of participation in eGovernment
Pyramid of the forms of participation

- Information
- Online public services
- Avoid the digital divide

Forms of participation in eGovernment

- eElection: Increase of personal involvement of citizens
- eVoting: Increase the complexity of public issues
- eParticipation
- eDiscussion
- eGovernment Portal

Choice of political candidates for topical issues or programs
Decision over proposed alternatives in political issues
Collaboration in public projects, developing bases of decision-making
Decision of complex issues in citizen forums
Exercise of civic duties, use of eGovernment
Pyramid of the forms of participation

**Forms of participation in eGovernment**

- **Development of Citizen Communication Centers (Chapter 9)**
- **Creation of Communities of Citizens**
- **Promote opinion-forming processes**

**eElection**
- Increase of personal involvement of citizens
  - Choice of political candidates for topical issues or programs

**eVoting**
- Increase the complexity of public issues
  - Decision over proposed alternatives in political issues

**eParticipation**
- Collaboration in public projects, developing bases of decision-making
  - Decision of complex issues in citizen forums

**eDiscussion**
- Exercise of civic duties, use of eGovernment

**eGovernment Portal**
Pyramid of the forms of participation

- Use of the know-how of citizens
- Promote Personal involvement of citizens

Forms of participation in eGovernment

- eElection
  - Increase of personal involvement of citizens
- eVoting
  - Increase the complexity of public issues
- eParticipation
  - Choice of political candidates for topical issues or programs
- eDiscussion
  - Decision over proposed alternatives in political issues
- eGovernment Portal
  - Collaboration in public projects, developing bases of decision-making
  - Decision of complex issues in citizen forums
  - Exercise of civic duties, use of eGovernment
Pyramid of the forms of participation

- Not only voting (about an issue)
- Provision of information
- Discussion platforms
- Publications of results
- Analysis of voting behavior
- People give votes on public issues (yes or no)

Forms of participation in eGovernment

- Choice of political candidates for topical issues or programs
- Decision over proposed alternatives in political issues
- Collaboration in public projects, developing bases of decision-making
- Decision of complex issues in citizen forums
- Exercise of civic duties, use of eGovernment

eElection
eVoting
eParticipation
eDiscussion
eGovernment Portal

Increase of personal involvement of citizens
Increase the complexity of public issues
Pyramid of the forms of participation

- Selection of political representatives
- Information of past elections and voting behavior in public duties
- Better picture of political commitment

Increasing the complexity of public issues

- Increase of personal involvement of citizens

Choice of political candidates for topical issues or programs

Decision over proposed alternatives in political issues

Collaboration in public projects, developing bases of decision-making

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Exercise of civic duties, use of eGovernment

Forms of participation in eGovernment
# Variety of Electronic Voting and Elections

## Differences in Electronic Voting and Elections

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• No guarantee of anonymity | Binding citizen survey |
| **Electronic Voting Systems** | Electronic voting devices in a hall | • Automatic recording  
• Immediate display of results | Vote in Parliament |
| **Electronic Election Machines** | Electronic voting devices and ballot boxes in the polling station | • Checking the voters’ entitlement to vote manually  
• Integrating results of individual machines manually | Elections in Belgium |
| **Network Election Machines** | Networked voting devices in public polling stations | • Results determined automatically to all connected machines | Local elections in England |
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Opportunities of eVoting and eElections

• Comprehensive documentation (before, during, and after the process)
• Facilitate the voting (facilitate voting for people who lives abroad)
• Activation of citizens (stimulate eParticipation)
• Rituals in voting and elections (changes behaviors, trust on cyberspace is necessary)
• Flood of web pools and devaluation of peoples’s rights (easy to collect signatures, lack of discussion)
• Privacy and data security questions
eVoting and eElections as part of a chain process

- Electronic ballots
- Optional ratings

- Special topics
- Spiderweb profiles
- Decision-making aids
- Discussion forums
- Link collection
- Subscription services

- Publication of results
- Publication of ballots
- Alternatives of visualization
- Possibilities of Analysis
- Participation in blogs

eVoting

eDiscussion

eElection

ePosting
Voting Advice Application (Voting Aid Application) (VAA) is an Internet application that helps voters to find a party that stands closest to the voters' preferences [wiki].

VOTING ADVICE APPLICATIONS
Voting advice applications

VoteEasy™ is brought to you by Project Vote Smart. If you find it useful please help us if you can.

Where will you be voting this year?

Project Vote Smart © 2010 • about
Voting advice applications
Voting advice applications

Done addressing the issues? Explore the candidates below:
VOTING ADVICE APPLICATIONS

The voting advice application EU Profiler was mainly intended for the 2009 EP elections. Even though some information might be outdated, you can still use it. Click for more info.

Choose country: Deutschland
Choose language:  Deutsch  English

Related links: RSF, European University Institute, Kieskompas.nl, Vrije Universiteit Amsterdam, smartvote.ch, NCCR Democracy, Trouw
Voting advice applications
Welfare, family and health

Social programmes should be maintained even at the cost of higher taxes.
Descubra su posición en el mapa político y su concordancia con los candidatos presidenciales ecuatorianos
ECUADOR VOTA

6 - Economía

El mercado puede resolver la mayoría de los problemas de forma más eficiente que el estado

Muy de acuerdo  De acuerdo  Ni de acuerdo ni desacuerdo  En desacuerdo  Muy en desacuerdo  Sin opinión
Principles to be consider on eVoting and eElections

• Only authorized people can participate
• Authorized people can vote only once
• Votes can not be intercepted, redirected or modified
• Ballots must be secret
• Data protection must be guaranteed
• Backups in the case of breakdown
Registration and Voting by Prosser and Muller
Spin profile inspired by the research Sotomo at University of Zurich
• **Public memory**: a body of beliefs and ideas about the past that help a society to understand both its past, present, and by implication its future [John Bodnar].
• How? → Digitalization of important works, documents, images, speeches, government programs and decisions, citizens initiatives, etc.
• Governments must contribute to increase transparency in the eGovernmental portal.
• The implementation of Public Memory in a public accessible eGov portal leads to Democratic Political Controlling
Project Vote Smart. The voter’s self-defense system

http://www.votesmart.org/video.php
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Das Gedächtnis der Nation (The Memory of the Nation)

- Interactive online Database
- **Partners:** Together with Bertelsmann, Daimler, G+ J, Google, star Robert Bosch Foundation, and ZDF
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