

OPEN WORLD FORUM



THINKCODE
EXPERIMENT

SAELE

Open Electronic Elections System

Fernando H. Canto, system developer
José Luis Machado, system analyst
<fernando; zeluis>@cpd.ufrgs.br

SAELE – History

- Development started in 2004 in the Data Processing Center of UFRGS;
- Inspired by the Brazilian Electronic ballot, first used in 1996:



- Aimed to attend the need for a fast, efficient, secure and neutral process for the University

SAELE – Properties

- **NEUTRALITY**
 - Simple ballot design, runnable in any setup;
 - Accessible for different kinds of users;
- **VERSATILITY**
 - Apt for attending different kinds of elections/polls;
 - Extensible for special requests and needs;
- **SECURITY**
 - User authentication and identification, logs for auditing (if necessary), untraceability of votes to voters, etc.;
- **INFALLIBILITY**
 - Safety and correctness of election process;
 - Monitoring of data integrity.

SAELE – Features

- Built on a Web platform;
- Free Software;
- Extensible for integration with different kinds of user databases and authentication mechanisms (LDAP, etc.);
- Step-by-step installation and configuration walkthrough;
- Ballot interface, election management module, election request module;
- Supports elections with fixed IP addresses (ballots), open for specific IP domains or open for any machine;
- One or many votes per individual voter.

SAELE – Statistics and facts

- First elections ran in 2005;
- Over 200 elections successfully completed so far, with over 500,000 individual voters and over 200,000 registered votes;
- Election for the University's Rector, president of the University Hospital (HCPA), direction of the Central Student Directory, etc.;
- Software presented in 2007 at the I IT Workshop of the IFES in Salvador;
- Packaging and conversion to Free Software started in 2009;
- Intellectual property officially registered in 2011;
- Submitted to the Public Software Portal of Brazil in 2011, to be released to other Brazilian institutions.

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Thank You!

Fernando Henrique Canto (fernando@cpd.ufrgs.br)
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