

The logo for Scrutin, featuring the word "scrutin" in a bold, purple, sans-serif font. A small, stylized purple envelope icon is positioned above the letter "i".

scrutin

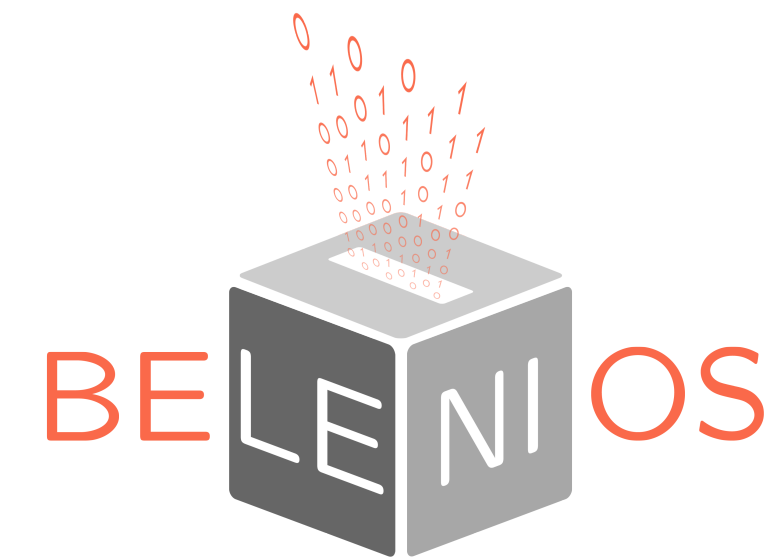
secure e-polling, in your pocket

scrutin.app

- **Cryptographic vote**
- **Simple UX**
- **Voting schemes and properties**
- **Roadmap**

Cryptographic vote

- usage of Belenios : Helios-C cryptosystem implemented at INRIA
- parts are formally verified
- individual verifiability: voters can verify their vote has been accounted for
- universal verifiability: anyone can verify the good execution of the election
- transparency: app and cryptosystem are both open-source





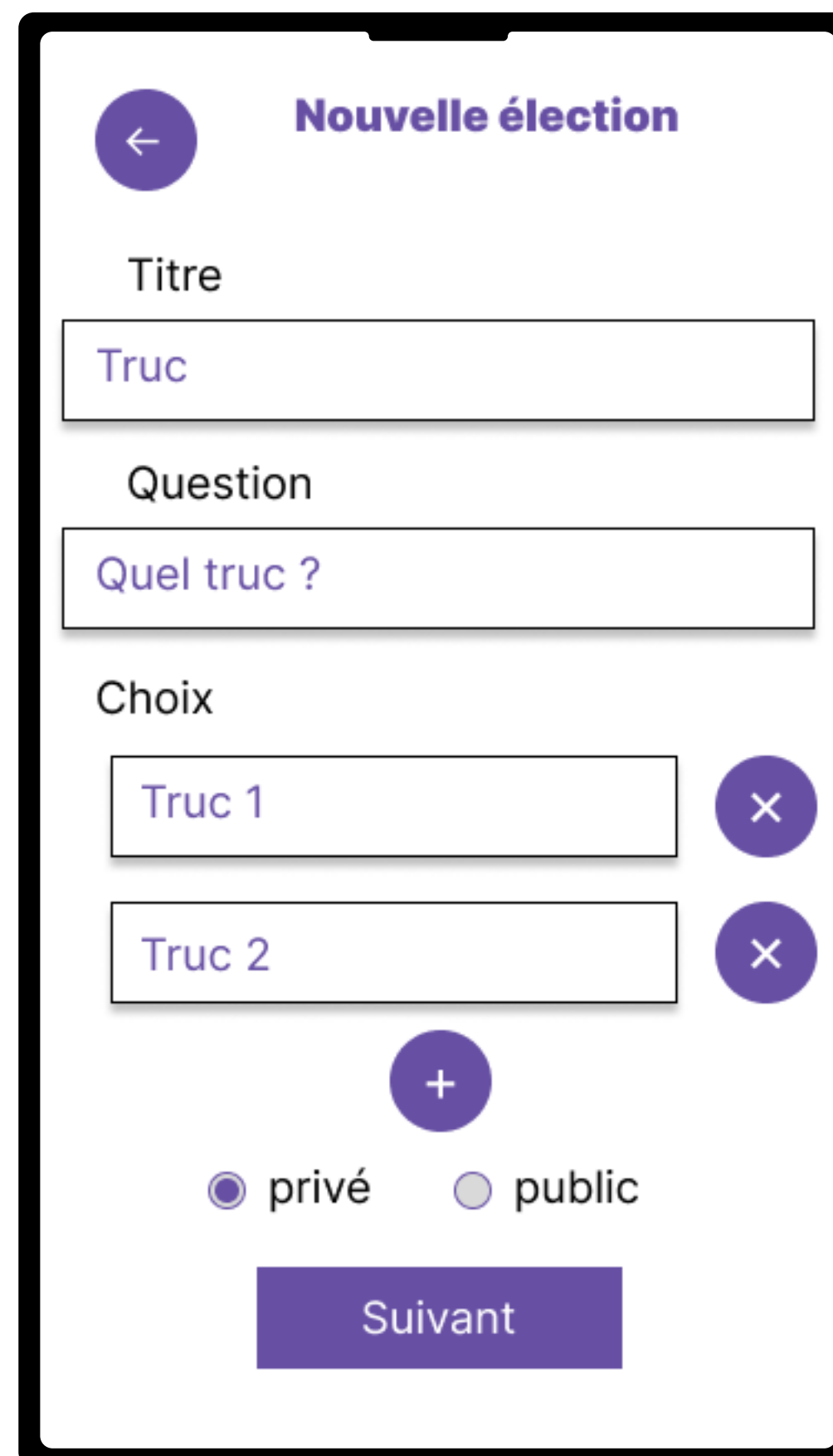
The home screen of the Scrutin app features the brand logo at the top. Below it is a prominent purple button for creating a new election. The lower half of the screen is a purple area with a white silhouette of a person, containing a question mark icon and a magnifying glass icon. At the bottom is a link to log in.

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Créer une élection

?

Se connecter



The 'Nouvelle élection' screen has a back arrow and title at the top. It contains three input fields: 'Titre' (filled with 'Truc'), 'Question' (filled with 'Quel truc ?'), and 'Choix' (containing 'Truc 1' and 'Truc 2', each with a delete icon). Below these is a plus icon and radio buttons for 'privé' (selected) and 'public'. A 'Suivant' button is at the bottom.

Nouvelle élection

←

Titre

Truc

Question

Quel truc ?

Choix

Truc 1

Truc 2

+

☒ privé ☐ public

Suivant



The 'Truc Ajouter des votants' screen has a back arrow and title. It displays five purple buttons for different methods of adding voters: 'Par e-mail', 'Par numéro de téléphone', 'Par ActivityPub', 'Par Matrix', and 'Par lien'.

Truc

←

Ajouter des votants

Par e-mail

Par numéro de téléphone

Par ActivityPub

Par Matrix

Par lien



Voting schemes and properties

- elections can be organised by multiple parties that all handle their voters list and may not trust each other
- can happen on decentralized transport and storage system
alternative voting systems:
 - Schulze method (candidates are ranked) (gives a Condorcet winner but vulnerable to the no show paradox)
 - majority judgement (candidates are given grades) (no Condorcet winner if more than 4 candidates but satisfies the participation criterion)

- implement the alternative voting systems
- beta "organizations" feature: users can control an organisation with custom rules (unlike DAOs)
- decentralized identities (decentralized credentials authority)
- decentralized transport and storage system

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