Frogans addresses: managing confusion

- Raises potential security issues for end users
- The most important issue relates to spoofing
- Currently focused on visual and semantic confusion

**End-user confusion**

- between characters in a given writing system
  - I  uppercase i
  - 1  digit one
  - l  lowercase L

- between characters in different writing systems
  - a  Latin
  - a  Cyrillic

- between characters in a language with two writing systems
  - 寧  calm, peaceful
  - 宁  repose, serenity
  - In simplified and traditional Chinese
Frogans addresses: 10 Linguistic categories

- Supports writing systems from all around the world (at least 179 languages)
- Each linguistic category has its own set of rules
- The linguistic category doesn't concern the content of the Frogans site
A two-part model for specifying Frogans addresses

<table>
<thead>
<tr>
<th>IFAP</th>
<th>FACR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>International</strong></td>
<td><strong>Frogans</strong></td>
</tr>
<tr>
<td><strong>Frogans</strong></td>
<td><strong>Address</strong></td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td><strong>Composition</strong></td>
</tr>
<tr>
<td><strong>Pattern</strong></td>
<td><strong>Rules</strong></td>
</tr>
</tbody>
</table>

Technical pattern
Language-independent
Long-term
Implemented globally

Security rules
Language-related
Updated as needed
Implemented by the FCR Operator (among others)

Purely technical approach insufficient →
**FACR/IFAP** are supported by **FTUP, UDRP-F**, and **end-user awareness**

- Called for by the OP3FT Bylaws
- Provide stability for a widely distributed and installed technology
- Provide flexibility and reactiveness demanded to solve security issues