

**STATUS** · Blueprint + reference implementation · work state v3.1 · bundle v3.8 · not in production

**FIGURES** · 100 % synthetic: 277 demo findings for method demonstration, no real awards, persons or statistics

**PARTNER** · one-person workshop · independent · privately funded · no institutional affiliation

**DATE** · 2026-09-23 · identifier FORSCH-PROV0445 (PROVISIONAL)

**AUTHOR** · Thomas Schüller · Syntagma Forschung · Vienna · ORCID 0009-0003-9799-6747 · forschung@tschueller.com

## Offener Kataster — Work description

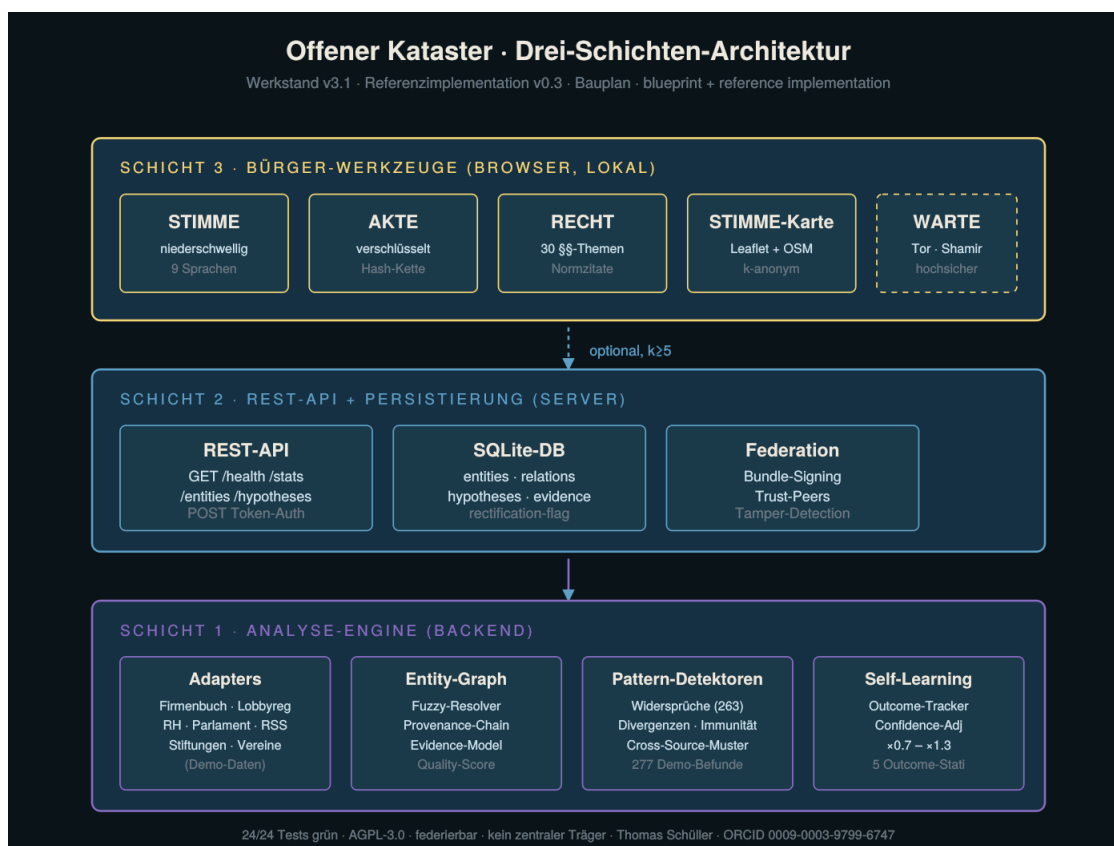


**Figure 1:** Three layers — citizen tools in the browser, REST API with persistence, analysis engine.

### What it is about

Offener Kataster (open register) is a blueprint with a runnable reference implementation for a federated transparency tool. It shows how public data can be processed into hypotheses with a complete source chain, and how affected people can document and represent themselves without handing data to a central operator.

The work grew out of work on administrative harassment: people facing authorities, institutions and controls without legal protection and without a voice. The Kataster is the technical answer — a voice tool for self-advocacy, not a tool for surveilling others.

### Closure type: bauplan-referenz

|                    |                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------|
| What it is         | a methodological proposal plus runnable demo code that demonstrates it                                                         |
| What it is not     | no production service, no investigative tool with real data, no operator platform                                              |
| For whom           | research networks, NGOs, newsrooms, technically skilled initiatives who want to run the concept under their own responsibility |
| Aim of publication | a citable, forkable reference state                                                                                            |

### The three strands

| Strand            | Content                                                                                                                                                                                       | Scope                          | Archive                            |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------|
| A · Backend       | analysis engine: adapters, entity graph, pattern detectors, learning loop, REST API, federation, hosting guide                                                                                | 21 modules · 24/24 tests green | ...strang-A-backend...zip          |
| B · Citizen tools | STIMME (9 languages), AKTE (Web Crypto), RECHT (30 legal topics with statute citations; links lead to the RIS home page, legal review pending), STIMME map, Evidentia, WARTE client, overview | 11 HTML files, no server       | ...strang-B-buergerwerkzeuge...zip |
| C · Manifestos    | Civic Stack, architecture, Kataster manifesto, WARTE manifesto                                                                                                                                | each DE + EN                   | ...strang-C-manifeste...zip        |

### Demo run (reference implementation)

| Finding type                       | Count |
|------------------------------------|-------|
| Contradictions (rule catalogue, 73 | 263   |

| Finding type                  | Count      |
|-------------------------------|------------|
| rules)                        |            |
| Divergences of supreme courts | 3          |
| Immunity patterns             | 6          |
| Mortality anomalies           | 1          |
| Cross-source patterns         | 4          |
| <b>Total</b>                  | <b>277</b> |

All findings are produced from synthetic demo data. They demonstrate the method, not a state of affairs.

## Architecture invariants

Whoever forks the Kataster keeps these rules or chooses a different name:

1. hypothesis language, never assertions
2. source chain for every statement
3.  $k \geq 5$  for vulnerable groups, technically enforced (ValueError)
4. persons only in a public role
5. rectify instead of delete (`is_marked_disputed`)
6. AGPL, federable, no central operator
7. no commercialisation
8. minors never individually

## Related works (cross-references)

The Kataster stands beside an independent work line on the same starting theme, administrative harassment. Both remain separate; they refer to each other but take over no modules from each other.

| Work                                                                       | Identifier      | Relation to the Kataster                                     |
|----------------------------------------------------------------------------|-----------------|--------------------------------------------------------------|
| BEISTANDSWERK — tool for understanding and documenting in nine legal areas | BEIST-0001      | sister tool; self-advocacy in the individual case, no server |
| Emergency card — printable A6 generator, ten languages                     | BEIST-0002      | sister tool for the first moment                             |
| Application paper “The legal-knowledge gap as an asymmetry of control”     | FORSCH-PROV0442 | theoretical framing of the same problem                      |

Shared principle of both lines: a voice tool, not a tool for surveilling others.

## Operation

Installation, start and operation of all strands are described in the handbook (...handbuch..., DE + EN).

## Open points (not part of this publication)

- connection of real data sources, PostgreSQL, production authentication — only under own responsibility
- legal review of the statute citations in RECHT; direct links to the individual norms in RIS

## Licence

Code AGPL-3.0-or-later · texts, manifestos and graphics CC BY 4.0 · no warranty.