

EXECUTIVE CURRICULUM VITAE

Nick Moloney

Governance Systems Leader | Accountability Systems | Civic Technology | Systems Reform

EXECUTIVE PROFILE

Governance systems leader, methodology author, independent researcher, and civic-technology developer focused on accountability, public administration, evidence governance, and inspectable civic infrastructure.

Author of the Civic Record Evaluation Framework (CREF) 3.1, a versioned forty-stage, three-phase methodology, and designer and lead developer of the Civic Decision Engine (CDE), its open-source reference implementation and publicly deployed civic-record infrastructure.

Combines governance leadership, standards development, evidentiary boundaries, and public-administration analysis with systems architecture and delivery. This work takes governance methodology from specification through implementation while preserving public inspectability, version discipline, and a clear boundary between methodology and software. Seeking senior roles in governance, accountability, public administration, civic technology, and systems reform.

EXECUTIVE HIGHLIGHTS

- **Authored and formally published CREF 3.1**, establishing a forty-stage, three-phase methodology for structured civic-record evaluation, reflexive inspection, and governance.
- **Designed and developed the Civic Decision Engine (CDE)** as CREF's open-source reference implementation, advancing the publicly deployed platform through CDE v12.5.5.
- **Delivered a governed end-to-end document lifecycle** spanning secure intake, administrative review and approval, controlled publication, public verification, and inspectable access.
- **Implemented integrity and preservation controls**, including SHA-256 verification, immutable path-based storage, and non-mutation safeguards for records and generated outputs.
- **Governed CREF's evolution** through continuity records, version lineage, change control, conformance criteria, stewardship, preservation, and formal completion.

- **Built and maintained a 388-test automated validation suite** protecting deterministic behaviour, governance controls, lifecycle boundaries, publication safeguards, and regression integrity.
- **Released CREF 3.1 through GitHub and self-archived it on Zenodo and the Open Science Framework, with DOI registration and an ORCID authorship record.**
- **Delivered public verification infrastructure and an inspectable Public Document Library**, while preserving explicit boundaries between public material and private or unpublished administrative records.

PLATFORM & GOVERNANCE METRICS

CREF 3.1 Current methodology	40 stages Versioned sequence	3 phases Evaluation · Inspection · Governance	CDE v12.5.5 Reference implementation	388 tests Automated validation
SHA-256 Verification	Secure intake Private by default	Governed approval Explicit lifecycle	Controlled publication Administrative decision	Public Document Library Inspectable access

SELECTED WORK

Civic Record Evaluation Framework (CREF) | *Founder & Author* | 2026–Present | *Version 3.1*

A self-contained, versioned governance methodology that makes evidence boundaries, reasoning pathways, controls, limitations, and implementation status inspectable.

- **Designed and established a forty-stage, three-phase methodology** spanning Evaluation, Reflexive Inspection, and Governance.
- **Created a complete governance lifecycle for CREF** covering continuity, change control, version lineage, lifecycle review, self-containment certification, stewardship, preservation, and formal completion.
- **Preserved methodological independence**, enabling the specification to be cited, adopted, or re-implemented without dependence on a single codebase.
- **Completed the CREF 3.1 revision in response to formal review**, adding a complete forty-stage appendix, a worked evaluation example, and a transparent implementation-status statement.

- **Authored and maintained the supporting specification and governance documentation**, including the versioning policy, conformance criteria, adoption guidance, and open-governance materials required for independent inspection and implementation.
- **Released CREF 3.1 through** GitHub and self-archived it on Zenodo and the Open Science Framework, with DOI registration and an ORCID authorship record.

SELECTED WORK - CONTINUED

Civic Decision Engine (CDE) | *Founder, Designer & Lead Developer* | March 2026 – Present | *Open-Source Reference Implementation*

A publicly deployed reference implementation that operationalises CREF through governed document handling, deterministic evaluation, verification, and controlled publication.

- **Implemented CREF's integrity requirements** through SHA-256 content hashing, immutable path-based storage, and non-mutation controls, enabling independently verifiable record and output integrity.
- **Delivered an end-to-end governed document lifecycle** spanning secure intake, administrative review and approval, controlled publication, public verification, and inspectable access.
- **Defined and enforced explicit lifecycle boundaries** that keep approval separate from publication and prevent private or unpublished intake records from entering public views.
- **Standardised institutional presentation across public interfaces**, including governed header, footer, institutional seal, and print-watermark treatment.
- **Built and maintained a 388-test automated validation suite** protecting deterministic behaviour, governance controls, lifecycle boundaries, publication safeguards, and regression integrity.
- **Unified CDE v12.5 administration** across intake, review, evidence, approval, publication, and Public Document Library workflows, creating a coherent governed pathway from private intake to authorised public access.
- **Advanced the publicly deployed implementation through CDE v12.5.5**, preserving authentication, authorisation, evidence integrity, hashing, verification, publication controls, and public/private visibility boundaries across successive releases.

DEVELOPMENT & PUBLICATION MILESTONES

- **January 2026 — Civic Recall Pipeline:** Developed the initial structured record-processing and evaluation pipeline that established the technical foundation from which the Civic Decision Engine evolved.
- **March 2026 — Civic Decision Engine Initial Public Release:** Released CDE v0.8 on 10 March, establishing public case capture, evidence-strength analysis, escalation-path ranking, cross-case pattern analysis, institutional-behaviour mapping, and HTML dashboard export.
- **March 2026 — Behavioural and Cross-Case Analysis:** Advanced CDE through v0.9 and v0.10, introducing structured behavioural analysis, lifecycle intelligence, an interpretable Behaviour Index, and an Adaptation Layer for multi-case comparison based on observable patterns rather than assumed intent.
- **May 2026 — Continuation and Public Verification Infrastructure:** Introduced projected continuation through v0.11, then advanced CDE to v11 as a public civic-record and verification system with canonical citation exports, SHA-256 integrity validation, and searchable public-record infrastructure.
- **June - July 2026 — CDE v12 Release Series:** Expanded the platform through governed administrative workflows, evidence handling, secure intake, review and approval, controlled publication, unified administration, and inspectable public access.
- **CREF v1.0 Preprint — Initial Methodology Statement:** Published the initial methodology statement for the Civic Record Evaluation Framework as a deterministic approach to administrative-record evaluation.
- **CREF 2.0 — Expanded Framework:** Advanced CREF into a more complete, independently specified governance methodology.
- **CREF 3.1 — Current Formal Publication:** Completed and formally published the current forty-stage, three-phase methodology with a complete stage appendix, worked evaluation example, transparent implementation-status note, version governance, conformance criteria, and adoption guidance.
- **CDE v12.6.1 — Current Public Implementation:** Current publicly deployed release, extending the governed intake, administration, verification, publication, and Public Document Library infrastructure established across the v12 release series with named administrator authentication, signed-session identity, attributable administrative actions, and aligned Administration Console terminology.

GOVERNANCE RESEARCH, METHODOLOGY & SYSTEMS DELIVERY

Independent Governance Research & Administrative Record Analysis | 2013–Present

Longitudinal research into civic and administrative records, institutional decision pathways, evidence continuity, accountability structures, and the conditions affecting inspectable public decision-making.

- Designed and published CREF as a citable forty-stage methodology and delivered CDE as its publicly deployed open-source reference implementation.
- Governed multiple versioned releases—CREF 3.0 to 3.1 and CDE through v12.5.5—through documented scope, continuity records, version lineage, and change history.
- Wrote and maintained the technical documentation set—including the methodology specification, versioning policy, conformance criteria, and adoption guidance—required for the framework to be inspected, understood, and implemented independently.
- Analysed administrative decision pathways and record-keeping practices to identify where deterministic, inspectable evaluation could strengthen accountability.
- Addressed governance and design questions relevant to regulators and oversight bodies, including evidentiary boundaries, replay and verification, and the distinction between authority and methodology.
- Operationalised those governance questions through visible rules, controlled lifecycle states, deterministic outputs, and reproducible inspection.
- Established and maintained comprehensive automated test coverage across schema, migration, path safety, hashing, administrative workflows, publication controls, and regression behaviour.

LEADERSHIP & OPERATING APPROACH

- **Method before mechanism:** defines purpose, authority boundaries, evidence limits, and governance rules before implementation.
- **Accountability by design:** makes rule application, decision pathways, evidence boundaries, and limitations visible rather than implicit.
- **Governed change:** treats each release as a declared institutional change with scope, continuity, lineage, and preservation obligations.
- **Public value:** approaches civic technology as durable, inspectable infrastructure rather than a black-box diagnostic tool.

SELECTED CAPABILITIES

Governance framework design	Accountability systems	Administrative process analysis
Systems thinking	Evidence governance	Public administration
Open-source project leadership	Technical documentation	Stakeholder communication

TECHNICAL SKILLS

Languages & Frameworks	Development	Specialisms
• Python • FastAPI • SQLite • HTML / CSS / JavaScript	• REST APIs • Git / GitHub • Railway deployment	• Deterministic system design • SHA-256 verification • Automated testing • Technical documentation

PUBLICATIONS & OPEN RESEARCH

Moloney, Nick. The Civic Record Evaluation Framework (CREF), Version 3.1. Zenodo, 2026.
DOI: [10.5281/zenodo.21281060](https://doi.org/10.5281/zenodo.21281060)

- GitHub — versioned open-source release
- Zenodo — permanent archival publication and DOI
- Open Science Framework — continuing research record
- ORCID — scholarly authorship and publication record
- Civic Decision Engine — open-source technical and governance documentation
- Open-governance documentation supporting CREF adoption, implementation, and conformance

CURRENT FOCUS

- Advancing the Civic Decision Engine as an open governance platform.
- Continuing the evolution of the Civic Record Evaluation Framework through versioned governance.
- Research into deterministic administrative evaluation and accountable public-sector systems