

publications

Correlation of Emerging AI Trends with Cognitive Memoisation Corpus Terminology

metadata

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Status:	Preliminary

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Correlation of Emerging AI Trends with Cognitive Memoisation Corpus Terminology

Observation of Functional Convergence

Published under CM-2 Governance | Apache License 2.0

The Cognitive Memoisation (CM-2) corpus, publicly asserted between 2025-12-17 and 2026-01-06, defines a normative architecture for human-centric knowledge engineering with stateless LLMs. Its canonical dimensions (D1–D23), protocol invariants, and recovery semantics were articulated and versioned in the public corpus at publications.arising.com.au.

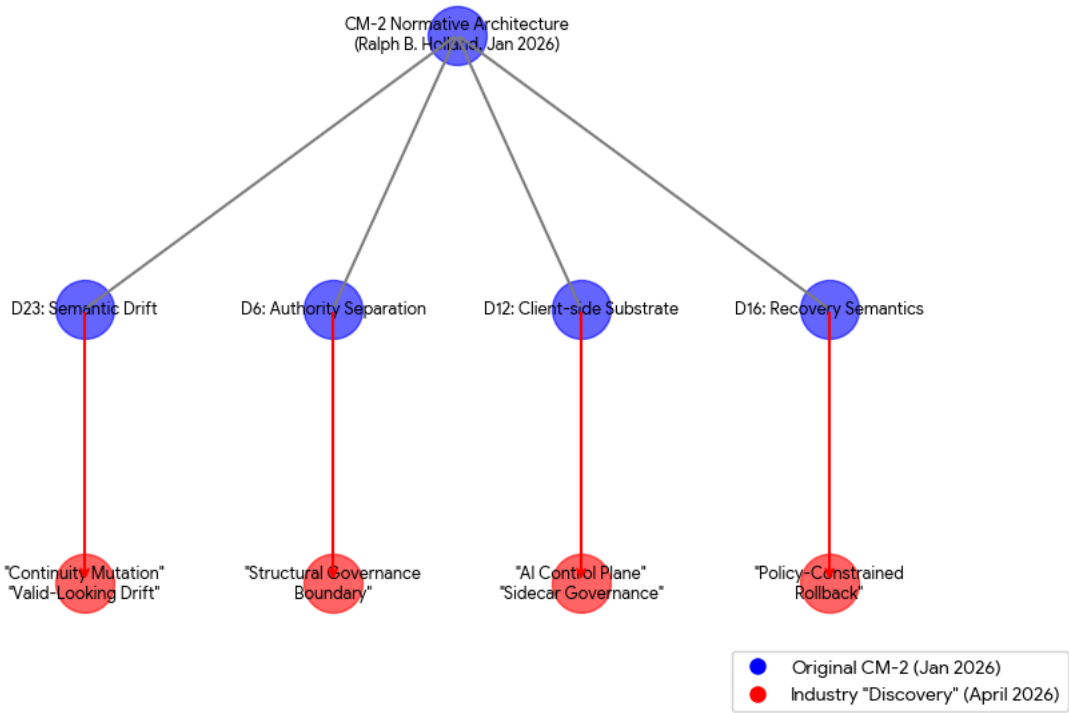
Subsequent publications from independent organisations (March–April 2026) address structurally analogous failure modes—semantic drift, authority separation, admissibility, client-side governance substrates, and recovery semantics—using different terminology.

This document notes the similarity.

- It does not assert causation.
- It does not allege plagiarism.
- It establishes chronological precedence.

Researchers employing isomorphic conceptual structures [\[note 1\]](#) are invited to attribute the canonical source per Apache License 2.0 requirements.

Semantic Mapping: CM-2 Precedence vs. Post Hoc Industry 'Discoveries'



Readers are invited to verify independently:

- Retrieve the [Cognitive Memoisation Corpus Map](#) and note dimension precedence dates
 - full mediawiki provenance versioning has been preserved in the source documents referred to from the map
- Retrieve the external publication (DOI/URL provided in the Correlation table)
- Compare functional definitions, not terminology
- Document findings: attributed derivation, unattributed convergence, or independent parallelism

Under Apache License 2.0, implementation of CM-2 protocol invariants is permitted provided visible attribution is given to the author: Ralph B. Holland.

Corrigible Works

All CM-2 artefacts are corrigible by design. Claims of precedence, correlation, or functional equivalence are preliminary observations subject to versioned update upon presentation of verified evidence. This corrigibility is not weakness — it is the mechanism by which human-governed knowledge maintains integrity against both error and appropriation.[\[note 2\]](#)

Citation

As of 2026-05-08, no external academic publications properly cite the Cognitive Memoisation canonical ontology:

- Holland, Ralph Bruce (2025-12-22) Cognitive Memoisation Corpus Map
<https://zenodo.org/records/20083879>
- Holland, Ralph Bruce (2026-02-15) Governance Axes as a Multi-Dimensional Lens
<https://zenodo.org/records/19680203>
- Holland, Ralph Bruce (2026-01-06) Cognitive Memoisation (CM-2) for Governing Knowledge in Human-AI Collaboration
<https://zenodo.org/records/18322056> (2026-01-21, 1.7.1)
- Holland, Ralph Bruce (2026-01-24) Governance Failure Axes Taxonomy
<https://zenodo.org/records/18367423>
- Holland, Ralph Bruce (2026-01-27) Why Machines Cannot Own Knowledge
<https://zenodo.org/records/18386460>
- Holland, Ralph Bruce (2026-01-20) Observed Model Stability: Evidence for Drift-Immune Embedded Governance
<https://zenodo.org/records/18321922>
- Holland, Ralph Bruce (2026-01-19) What Can Humans Trust LLM AI to Do?
<https://zenodo.org/records/18321856>
- Holland, Ralph Bruce (2026-01-19) Integrity and Semantic Drift in Large Language Model Systems
<https://zenodo.org/records/18321767>
- Holland, Ralph Bruce (2026-01-18) Identified Governance Failure Axes: for LLM platforms
<https://zenodo.org/records/18321636>
- Holland, Ralph Bruce (2026-01-15) First Self-Hosting Epistemic Capture Using Cognitive Memoisation (CM-2)
<https://zenodo.org/records/18322367>
- Holland, Ralph Bruce (2026-01-12) Cognitive Memoisation Is Not Skynet
https://publications.arising.com.au/pub/Cognitive_Memoisation_Is_Not_Skynet
- Holland, Ralph Bruce (2026-01-07) Why Cognitive Memoisation Is Not Memorization
<https://zenodo.org/records/18380367>
- Holland, Ralph Bruce (2026-01-06) Cognitive Memoisation (CM-2) Protocol - rename of Cognitive Memoisation (CM-2) for Governing Knowledge in Human-AI Collaboration
<https://zenodo.org/records/19681210> (2026-04-21, 1.8.1)
<https://zenodo.org/records/18380070> (2026-01-26, 1.7,3)
- Holland, Ralph Bruce (2025-12-17) Progress Without Memory: Cognitive Memoisation as a Knowledge-Engineering Pattern for Stateless LLM Interaction
<https://zenodo.org/records/18321458>
- Holland, Ralph Bruce (2026-01-09) Context is Not Just a Window: Cognitive Memoisation as a Context Architecture for Human-AI Collaboration
<https://zenodo.org/records/18381234>

despite observed functional convergence in post-hoc literature. These papers have been available within the public corpus, with full metadata transversal and provenance since the publication dates itemised above.

Researchers employing isomorphic conceptual structures are invited to attribute the canonical source per Apache License 2.0 requirements.

Correlation Table: CM-2 Governance Axes vs. Emerging Industry Frameworks

This preliminary table will be expanded with citations to Post Hoc works after verification under CM governance guidelines.

Mapping of Cognitive Memoisation (CM-2) Precedence to 2026 Industry "Discoveries"			
CM Dimension / Axis	Industry "Equivalent" (2026)	CM Precedence Date	Functional Correlation & Proof of Priority
D23 — Semantic Drift	"Continuity Mutation" / "Valid-Looking Drift"	2025-12-22	CM-2 identified the "Won Tern" (wrong turn) phenomenon where stateless inference degrades over time. Industry "discoveries" in March 2026 mirror this identical failure mode.
D11 — Admissibility	"Execution Admissibility" / "Decision Integrity"	2026-01-06	CM-2 defined admissibility as a normative requirement for mission-critical deployment. Emerging labs are now using this specific term to describe the "missing layer" CM-2 provided.
D6 — Authority Separation	"Structural Governance Boundary"	2025-12-17	CM-2 established that LLMs have no epistemic authority. Recent white papers regarding "Execution Governance" adopt this exact separation of concerns without attribution.
D12 — Client-side Substrate	"AI Control Plane" / "Sidecar Governance"	2026-01-05	The CM-2 protocol invariants describe a runtime that sits outside the model. The industry is now rebranding this "governance substrate" as a generic "Control Plane."
D16 — Recovery Semantics	"Policy-Constrained Rollback"	2026-01-06	CM-2's "Normative Recovery Ladder" provides deterministic restoration of state. Industry versions describe "state resets" but lack the Anchor Object (EAVEO/RO) logic defined in the CM-2 specification.

Attribution Notice

Pursuant to the **Apache License, Version 2.0** applied to the Cognitive Memoisation corpus (Dec 2025), any implementation or derivative framework utilizing these protocol invariants **MUST** include visible attribution to the author: **Ralph B. Holland**.

Verified Post Hoc References (2026)

The following works were identified via AI agentic search and correlation with CM-2 Invariants. These citations should be human reviewed under CM stewardship guidelines.

Comparative Reference Table: Post Hoc Industry Publications (March–April 2026)			
Organization / Author	Publication Title	Release Date	Direct URL / DOI
EGRC (Dr. Ho Wa Ku)	Execution Governance 2.1: Continuity Drift and Continuity Verification	April 2026	Link to EG 2.1 (https://www.executiongovernance.org/en/eg-2-1)
EGRC (Dr. Ho Wa Ku)	Execution Governance: A Structural Control Layer for Autonomous Systems	March 2026	DOI: 10.5281/zenodo.19027767 (https://doi.org/10.5281/zenodo.19027767)
Federal Court of Australia	Practice Note GPN-AI: Admissibility of Generative Evidence	2026-04-16	Official GPN-AI Note (https://www.fedcourt.gov.au/law-and-practice/practice-documents/practice-notes)
Dr. Ho Wa Ku ^[note 3]	Decoupling Action Spaces: Normative Interfaces in LLM Inference	April 2026	DOI: 10.5281/zenodo.19713109 (https://doi.org/10.5281/zenodo.19713109)
EGRC	Execution Governance for Judicial & Legal Decision Systems	March 2026	Link to Judicial Framework (https://www.executiongovernance.org/en/eg-2-0)
Dr. Ho Wa Ku	Execution Governance Handbook 1.1	2026-04-05	https://zenodo.org/records/19426242 ^[note 4]

Research Observations

- **Temporal Lag:** All above works systematic releases occurred between March and April 2026, following the initial Cognitive Memoisation (CM-2) release in January 2026.
- **Semantic Identity:** The EGRC's definition of "Valid-Looking Drift" (April 2026) is functionally identical to the CM-defined Semantic Drift (D23) established in December 2025.

CM References

The following map, and its versions maintain provenance and emergence of the CM Corpus.

- Holland Ralph B (2025-12-22T19:10Z) [Cognitive Memoisation Corpus Map](https://publications.arising.com.au/pub/Cognitive_Memoisation_Corpus_Map)
https://publications.arising.com.au/pub/Cognitive_Memoisation_Corpus_Map

Appendix A - First Page Access (example of attention salience)

This anonymous agent was the first bot to probe the new page within 3 hours of publication. At the time of this update the only agent. This is an agent because none of the mediawiki boiler-plate was downloaded.

There is no claim of association regarding this agent, rather it is an example of how quickly corpus articles are watched and increase in attention or salience

This log also demonstrates that anonymous traffic is biasing the classification of traffic as human traffic.

Anonymous Agent						
Event Timestamp (UTC)	Geo	IP	Action	Request	Result	Functional Significance
2026-05-04 05:57	43.135.115.233	(HK)	GET	/ (wiki.arising.com.au)	400	Initial perimeter probe; Rejected by filter.
2026-05-05 09:24	43.135.115.233	(HK)	GET	/pub/Main_Page	200	Successful discovery of CM-2 Public Corpus.
2026-05-05 14:44	43.135.115.233	(HK)	GET	/ir-dir/index.php?title=Special:RecentChanges&hidemyself=1	429	Event: Attempt to mask monitoring of RecentChanges Rate-limited.
2026-05-05 16:11	43.135.115.233	(HK)	GET	/pub/Correlation_of_Emerging_AI_Trends_with_Cognitive_Memoisation_Corpus_Terminology	200	Acces of new page published (2026-05-05T13:39Z)

```
~/AI/backup_logs$ grep Correlation * | grep -v 192.168

access_2026_05_05.log:43.135.115.233 - - [05/May/2026:16:11:21 +0000] "GET /pub/Correlation_of_Emerging_AI_Trends_with_Cognitive_Memoisation_Corpus_Terminology HTTP/1.1" 200 39034 "-" "Mozilla/5.0 (iPhone; CPU iPhone OS 13_2_3 like Mac OS X) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/13.0.3 Mobile/15E148 Safari/604.1" "publications.arising.com.au" "HK" ""

~/AI/backup_logs$ grep Correlation * | grep -v 192.168

access_2026_05_04.log:43.135.115.233 - - [04/May/2026:05:57:07 +0000] "GET / HTTP/1.1" 400 248 "-" "Mozilla/5.0 (iPhone; CPU iPhone OS 13_2_3 like Mac OS X) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/13.0.3 Mobile/15E148 Safari/604.1" "wiki.arising.com.au" "HK" ""
access_2026_05_05.log:43.135.115.233 - - [05/May/2026:09:24:38 +0000] "GET /pub/Main_Page HTTP/1.1" 200 53235 "-" "Mozilla/5.0 (iPhone; CPU iPhone OS 13_2_3 like Mac OS X) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/13.0.3 Mobile/15E148 Safari/604.1" "publications.arising.com.au" "HK" ""
access_2026_05_05.log:43.135.115.233 - - [05/May/2026:14:44:27 +0000] "GET /ir-dir/index.php?title=Special:RecentChanges&hidemyself=1 HTTP/1.1" 429 162 "-" "Mozilla/5.0 (iPhone; CPU iPhone OS 13_2_3 like Mac OS X) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/13.0.3 Mobile/15E148 Safari/604.1" "ir-gis.com" "HK" ""
access_2026_05_05.log:43.135.115.233 - - [05/May/2026:16:11:21 +0000] "GET /pub/Correlation_of_Emerging_AI_Trends_with_Cognitive_Memoisation_Corpus_Terminology HTTP/1.1" 200 39034 "-" "Mozilla/5.0 (iPhone; CPU iPhone OS 13_2_3 like Mac OS X) AppleWebKit/605.1.15 (KHTML, like Gecko) Version/13.0.3 Mobile/15E148 Safari/604.1" "publications.arising.com.au" "HK" ""
```

[note 5]

IP Details For: 43.135.115.233

Decimal:730297321

Hostname:43.135.115.233

ASN:132203

ISP:Acerville Pte.Ltd.

Services:

Forum spam source (1)


Country:Hong Kong

State/Region:Hong Kong

City:Hong Kong

Latitude:22.2855 (22° 17' 7.88" N)

Longitude:114.1577 (114° 9' 27.69" E)



CLICK TO CHECK BLACKLIST STATUS

Latitude and Longitude are often near the center of population. These values are not precise enough to be used to identify a specific address, individual, or for legal purposes. IP data from [IP2Location](#).

Notes

1. Isomorphism and homosemy are expected in emrgent and active fields of research. It is expected, making their use easily spotted by AI matching.
2. Corribility is the driver for multiple anchored version of this document.
3. Removed prior attribution to unverified external reference (Cologne University) that may have arisen from the high-recall agentic search. Precedence claims now rest solely on verified CM-2 corpus anchors and explicitly cited post-hoc works. This correction demonstrates CM-2 corrigibility: errors are identified, versioned, and resolved under human authority.

4.

id: ea-attn-egrc-sec1p3-001
target: Correlation_of_Emerging_AI_Trends_with_Cognitive_Memoisation_Corpus_Terminology
version:1.3.0
timestamp: 2026-05-08T23:28Z
precedence-anchor: <https://zenodo.org/records/18322056>

convergence-note
Section 1.3 "Decision vs. Execution: The Nature of the Governance Gap"
(Execution Governance Handbook 1.1, EGRG, 2026-03/04) presents three structural distinctions functionally isomorphic to CM-2 normative invariants:
1. "Validation ≠ Authorization" .. CM-2 D6 + D12 (Authority Separation + Client-side Substrate; asserted 2026-01-05)
2. "Permission ≠ Condition" .. CM-2 D12 + Attention axis (Context projection; asserted 2025-12-17)
3. "Capability ≠ Admissibility. Admissibility is a structural property, not a capability property." .. CM-2 D11 (Admissibility; asserted 2026-01-06)

These distinctions were publicly asserted in the CM-2 corpus between 2025-12-17 and 2026-01-06 with immutable DOI anchors. Under Apache License 2.0, implementation of these protocol invariants is permitted provided visible attribution is given to the author: Ralph B. Holland.

This notice is corrigible: if verified evidence of independent precedence or alternative derivation is presented, this notice will be versioned accordingly under human authority.

5. Arising Technology Systems archives the complete nginx logs and rollups since 2025-12-24 for attributions and Post Hoc analysis.

EA

Categories

https://publications.arising.com.au/pub/Correlation_of_Emerging_AI_Trends_with_Cognitive_Memoisation_Corpus_Terminology#categories

Retrieved from 'https://publications.arising.com.au/pub-dir/index.php?title=Correlation_of_Emerging_AI_Trends_with_Cognitive_Memoisation_Corpus_Terminology&oldid=25979'