

# Layered Methodology. A Procedure for the Source Criticism of Ancient and Pre-Modern Knowledge-Power Configurations

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Main work v0.2-FINAL

Thomas Schüller · Syntagma Forschung · Vienna

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## Layered Methodology

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Main work v0.2-FINAL

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## 0. Abstract

The Layered Methodology is a procedure for the source-critical analysis of narratives about knowledge-power conflicts. Starting observation: popular narratives about historical knowledge bearers in conflict with power frequently contain dramatic apocrypha that cannot be sustained source-critically yet lead an autonomous life in popular culture. The methodology systematically separates **layers** of transmission along five dimensions (D1–D5) and six genre families (G1–G6) and maps the findings onto eleven **configuration types** (A–K) representing structurally different knowledge-power relationships.

This main work consolidates the second programme stage v0.2-FINAL. It unifies the six configurations A–F from v0.1 (Pilot Archimedes, Framework, Layering Module, Topos Application) with the six extensions v0.2-a to v0.2-f (Vavilov, al-Ḥallāj, Ibn Rushd, Tycho legacy, Vavilov colleagues, Expulsion 1933ff.) and tests the three v0.1 findings against twelve instead of six cases. The extension yields six new systematic findings and eight methodological follow-up questions for a projected v0.3.

### Central findings:

- The **apocryphal phrase** as topos marker occurs classically in 4/12 cases (B Archimedes, C Hypatia, E Galileo, H al-Ḥallāj). It correlates with dramatic execution

events as pop material; configurations without spectacular execution-image potential (G imprisonment, I banishment, K professional ban) do not produce it.

- **Knowers without first-person voice** appear in 4/12 cases (33 %, down from 67 % in v0.1). The binary v0.1 distinction is differentiated by v0.2 into a five-stage scale (no voice — hagiographically reconstructed — structurally re-interpreted — biographically shadowed — disciplinary voice preserved).
- **Empirical decidability** as matter of dispute remains exceptional (2/12: F, G). G shows: decidability ≠ decision. Political power can override empirically settled matters by decree.
- **Class distinction single-case vs. mass configurations.** G (Vavilov + colleagues) and K (Expulsion 1933) share four structural features absent from A–F, H, I, J: scale beyond single case, disciplinary effect, topos condensation onto an individual person, statistically observable collective effects.
- **Massignon effect** of the secondary source. From H (al-Ḥallāj): the central Western secondary source (Massignon 1922) is itself a layer with its own D4 functional context, not a neutral access to the primary material.
- **Double updating topoi.** From I (Ibn Rushd): D4 contexts of reception can systematically contradict each other (Renan vs. *nahḍa*), both functional, both source-critically inadequate.

**Methodological position:** the programme is carried out as independent research without institutional affiliation. It is a **pre-print methodology**, not a peer-reviewed full analysis. The index-card form (~1,000–1,800 words per case) is explicitly declared as workbench mode; full analyses per case would each constitute v0.3 projects.

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## 1. Programme genesis and approach

### 1.1 Occasion and epistemic interest

The immediate occasion of v0.1 was a TikTok reel in May 2026 about the death of Archimedes in which the saying *Noli turbare circulos meos* attributed to him was rendered as historical fact. The source situation shows: the saying is source-critically apocryphal. The earliest mention by Valerius Maximus is three centuries later; Polybius as closest historiographer reports only that Archimedes was killed by a Roman soldier during the sack of Syracuse in 212 BCE.

The discrepancy between source-critically documentable facts and culturally transmitted topos is not the defect of a single case but a recurring pattern. The Layered Methodology systematises this pattern.

## 1.2 Methodological position

The methodology does not understand itself as an effort to reconstruct “the true history behind the myth”. Such a position would presuppose privileged access to “true history” independent of source situation and reception history.

The methodology instead makes explicit the **layer structure** of transmission and asks for each layer: When did it arise? To which genre does it belong? Through which mediation chain has it come down to us? In which functional context did it stand at the time of its emergence and at the time of its later reception? Which consecration status does it have today?

Only from the **layeredness** of the material and the **discrepancies between the layers** can source-critical findings be derived — not from a claim to privileged access to “truth beyond the sources”.

## 1.3 Three methodological starting decisions

(a) **Source verification as HART rule.** All secondary sources are verified before their inclusion in layer profiles via web research, ISBN, DOI or equivalent evidence. Fictitious sources, unsubstantiated claims and pop topoi are marked as such.

(b) **Three-level distinction documented fact — causal bridge — interpreting reading.** Each analysis makes explicit which statement is covered by sources (level 1), which is inferred via source-based reasoning (level 2), and which is an interpreting reading of the findings (level 3).

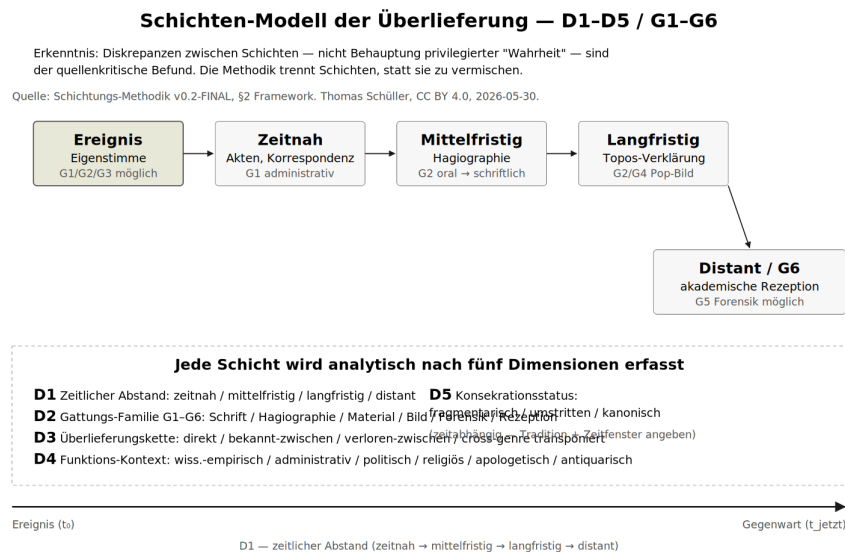
(c) **Index-card form as workbench mode.** Per case ~1,000–1,800 words, no claim to full analysis. Full analyses would each be separate projects with primary-source work, external review and preferably institutional embedding.

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## 2. Layering framework

The framework operates with five dimensions and six genre families.

## 2.1 Five dimensions D1–D5



Layer model of transmission with five dimensions D1–D5 and six genre families G1–G6.

Fig. 1: Layer model of transmission. Each layer is analysed along D1–D5; the methodology separates layers rather than blending them. (Captions in figures are German; the analytical structure is language-independent.)

**D1 — Temporal distance to event.** Scale: near-contemporary (first-person voice; contemporaries) — mid-range (1–3 generations) — long-range (3–10 generations) — distant (>10 generations). Operative effect: the greater the distance, the smaller the share of documentarily graspable fact, the larger the share of interpreting re-configuration.

**D2 — Source genre (see G1–G6).** The dimension refers to the genre family of the layer. Multiple genres can coexist in one layer (“mix”); e.g., hagiographic narrative (G2) with embedded source quotations from administrative writing (G1).

**D3 — Chain of transmission.** Scale: direct (original document available) — known-intermediate (one identifiable mediation layer) — lost-intermediate (originals lost, reconstruction via surviving secondary traces) — cross-genre transposed (source migrates into different genre). Operative effect: each intermediate layer introduces its own selection, filtering and transformation operations.

**D4 — Functional context.** Scale: scientific-empirical — administrative-state — political — religious — apologetic — antiquarian-historiographical. Operative effect: the functional context of a layer systematically controls which aspects of a model are emphasised, which suppressed. *Important:* one layer can have several D4 components in parallel.

**D5 — Consecration status.** Scale: fragmentary — contested — canonical. What appears canonical today may have been controversial at the time of its emergence, and vice versa. D5 is

therefore to be read time-dependently — the question is always: *canonical in which tradition at which time?*

## 2.2 Six genre families G1–G6

**G1 — Written document (record, correspondence, publication).** Stable material trace, datable, localisable, with identifiable author or authority.

**G2 — Orally transmitted hagiography and topos narrative.** Only subsequently committed to writing. Characteristic are narrative condensation, formulaic turns of phrase, didactic function.

**G3 — Material trace (inscription, coin, grave, instrument).** Datable, often with transfer function, less prone to subsequent reworking than G1 or G2, but usually information-poor.

**G4 — Pictorial representation.** Mosaic, sculpture, manuscript illustration, later print and film. G4 sources must be read in their pictorial logic — they condense topoi into iconographic formulae and re-transmit them independently of wording.

**G5 — Forensic and natural-scientific analysis.** Bone analysis, isotope determination, DNA, palaeographic and codicological procedures. Modern, effective in layer profiles only from the 20th/21st century.

**G6 — Reception layer.** Academic history of science, pop culture, Wikipedia. Independent layer, not passive mediation. G6 writes updating topoi and condenses complex findings onto memorisable individual persons or statements.

## 2.3 Consecration status D5 as time function

D5 is not static. A layer can be canonical at the time of its emergence in one tradition and simultaneously contested in another; it can later change its consecration status. Examples:

- The **Lysenko school** was canonical in the Soviet scientific establishment 1948–53, contested in the West, decanonised in the USSR itself from 1965.
- **Massignon's reconstruction of al-Ḥallāj** was canonical in Western Sufi research ~1925–1990, today revisionistically questioned.
- **Tycho's own geo-heliocentric system** was canonical in many astronomical circles 1601–1660, today superseded; *simultaneously* Tycho's data remain canonical in the history of science as empirical base of Kepler's laws.

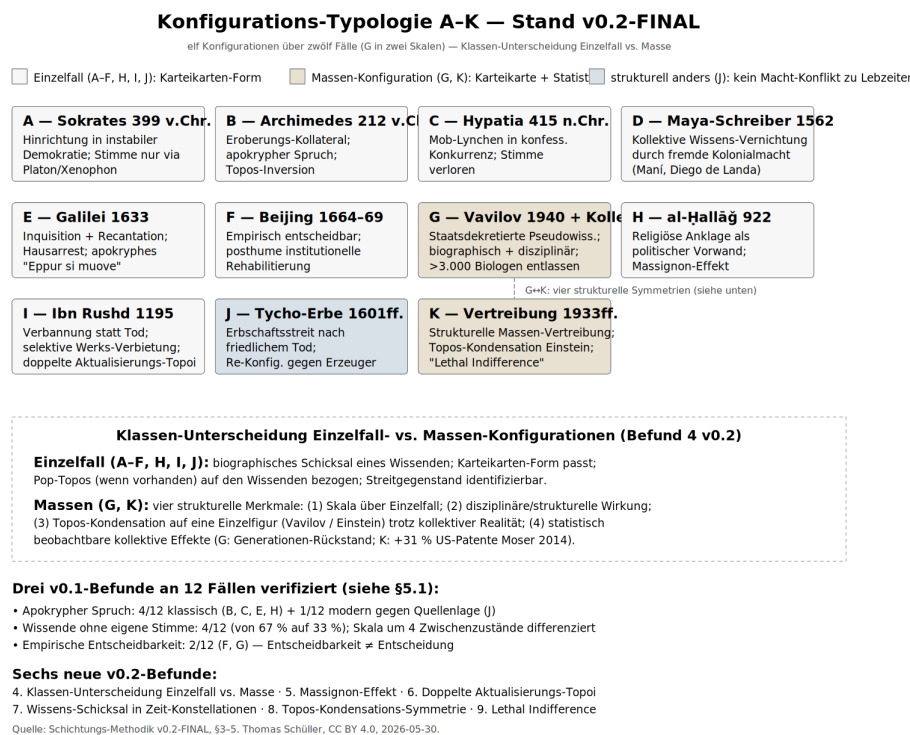
From this an important methodological practice follows: *every D5 statement must name tradition and time window.*

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3. Configuration typology A–K

The layer-analytical treatment of the twelve cases yields a typology of eleven structurally different knowledge-power configurations. The typology is not hierarchical (no configuration is “higher” than another) and not exhaustive (the v0.3 programme envisages stabilisation through further cases).

3.1 Overview



Configuration typology A–K with class distinction single-case vs. mass configurations.

Fig. 2: Configuration typology A–K. Single-case configurations (light) vs. mass configurations G and K (accented) and the structurally different configuration J (separately).

| Letter | Characterisation                                                    | Main case          |
|--------|---------------------------------------------------------------------|--------------------|
| A      | Execution in politically unstable democracy; voice only via pupils  | Socrates 399 BCE   |
| B      | Death as collateral of conquest; apocryphal phrase; topos inversion | Archimedes 212 BCE |
| C      | Mob lynching in confessional rivalry; voice lost                    | Hypatia 415 CE     |
| D      |                                                                     | Maya scribes 1562  |

| Letter | Characterisation                                                                    | Main case                         |
|--------|-------------------------------------------------------------------------------------|-----------------------------------|
|        | Collective knowledge destruction by foreign colonial power                          |                                   |
| E      | Inquisition procedure with recantation; house arrest; apocryphal topos              | Galileo 1633                      |
| F      | Empirically decidable matter of dispute; posthumous institutional rehabilitation    | Calendar Case Beijing 1664–69     |
| G      | State-decreed pseudoscience replaces research — <b>biographical + disciplinary</b>  | Vavilov 1940 + colleagues 1941–43 |
| H      | Religious accusation as political pretext; Massignon effect                         | al-Ḥallāj Baghdad 922             |
| I      | Banishment rather than death; selective work-prohibition; double updating topoi     | Ibn Rushd Marrakesh 1195          |
| J      | Inheritance dispute after peaceful death; re-configuration of data against producer | Tycho Brahe's legacy 1601ff.      |
| K      | Structural mass expulsion; topos condensation; lethal indifference                  | Expulsion 1933ff.                 |

### 3.2 Single-case configurations A, B, C, D, E, F, H, I, J

**A — Socrates.** The configuration shows the vulnerability of one's own voice: Socrates did not publish. What we know is Platonic and Xenophontic construction. Athenian democracy in 399 BCE convicts under conditions of massive political instability (defeat in the Peloponnesian War 404; Tyranny of the Thirty; restoration). The D4 functional context of the accusation is primarily political (Socrates' connections to Alcibiades and Critias), but is juridically negotiated as impiety and seduction of the youth.

**B — Archimedes.** Death as collateral of conquest 212 BCE. The configuration is marked by the apocryphal saying *Noli turbare circulos meos* (earliest Valerius Maximus, three centuries later). Late topos inversion: in late antiquity Archimedes becomes a symbol of learned dignity under violence. The topos exonerates Roman power (Marcellus erects a statue; guilt shifts onto an individual soldier).

**C — Hypatia.** Mob lynching 415 CE under Patriarch Cyril. Confessional rivalry in the transition from pagan Alexandria to the Christian imperial church. Hypatia's own work is lost (Socrates Scholasticus reports); the modern feminist reconstruction (Charles Kingsley 1853, Carl Sagan 1980, Hollywood 2009) is an independent G6 reception layer with its own D4 functional context.

**D — Maya scribes Maní 1562.** Diego de Landa has the Maya codices burned. Collective auto-da-fé that targets the knowledge bearer not as a person but as cultural species. Later reconstruction of the Maya script (Knorozov 1952ff.) proceeds from the four surviving codices and the epigraphic tradition. Configuration D is the only one in the v0.1/v0.2 series in which a collective knowledge bearer is hit by foreign colonial power; comparison to K (own state power rather than foreign).

**E — Galileo 1633.** Inquisition procedure with recantation; lifelong house arrest. The configuration is marked by two properties: own voice fully preserved (Galileo publishes before and after 1633); apocryphal topos *Eppur si muove* nevertheless popular (earliest Giovanni Baretti 1757). The topos exonerates the recantation: Galileo “actually” did not recant, because he is said to have appended the decisive sentence afterwards.

**F — Calendar Case Beijing 1664–69.** Empirically decidable matter of dispute (solar eclipse prediction). Jesuit astronomy (Adam Schall von Bell) against Yang Guangxian's tradition. Schall is condemned to death, pardoned by an earthquake, dies in house arrest 1666. Yang Guangxian is deposed under Emperor Kangxi 1669, the Bureau of Astronomy reorganised under Verbiest. F is the only v0.1/v0.2 configuration in which the matter of dispute is empirically decided *and* the decision is institutionally implemented — during the lifetimes of those involved.

**H — al-Hallāj Baghdad 922.** Religious accusation as political pretext. Execution in the context of the fiscal crisis of 919 and vizier politics under al-Muqtadir. Configuration H brings in three structural features absent in v0.1: (a) destroyed and hagiographically reconstructed first-person voice; (b) posthumous rehabilitation through *the same* tradition (Sufism rather than another power constellation as in F); (c) **Massignon effect** (see §4.2).

**I — Ibn Rushd Marrakesh 1195.** Banishment rather than death. Selective work-prohibition (philosophy banned, medicine/arithmetic/elementary astronomy exempted). Political concession to religious elites in the jihad moment (Battle of Alarcos 19 July 1195), not conviction-driven act. Posthumous reception in *foreign* tradition (Latin scholasticism, Hebrew translations) while marginalisation in the Islamic mainstream. Configuration I brings in the structural feature **double updating topoi** (see §4.3).

**J — Tycho's legacy Prague 1601ff.** Structurally different from A–I: no power conflict during lifetime. Tycho dies naturally from a bladder infection (confirmed forensically in 2012 by Rasmussen et al. — the mercury-poisoning thesis of Gilders 2004 is refuted). The conflict arises posthumously as inheritance dispute between family (Tengnagel and other heirs) and

research successor Kepler. Theoretical re-configuration: Tycho's data carry Kepler's heliocentric laws against Tycho's own geo-heliocentric system. Stochastic infrastructure loss 1619 (Bohemian Civil War, destruction of the Uraniborg instruments in Prague, Battle of White Mountain).

J forces the expansion of the programme title from "knower vs. power" to "knowledge-fate in time constellations" (see §5.4).

### 3.3 Mass configurations G and K

**G — Vavilov + colleagues 1940–43.** State-decreed pseudoscience (Lysenkoism) replaces established research (Mendelian genetics). Vavilov is arrested 1940, dies on 26 January 1943 in Saratov prison from dystrophy. At least four leading geneticists are arrested 1940–43 (Karpechenko shot on 28 July 1941; Levitsky, Govorov, Flaksberger die in custody). More than 3,000 mainstream biologists are dismissed or imprisoned in total.

G is the **first mass configuration** of the typology. It operates not on the biographical but on the disciplinary scale. Configuration G is therefore instantiated at two scales: G-biographical (Vavilov) and G-disciplinary (colleagues + total phenomenon). The index-card form fits G-biographical; G-disciplinary additionally requires statistics.

**K — Expulsion of Jewish scientists from 1933.** Structural mass expulsion through the Law for the Restoration of the Professional Civil Service of 7 April 1933 (§ 3). 25 % of German physicists lose their positions; 11 past or future Nobel laureates are affected; the Notgemeinschaft Deutscher Wissenschaftler im Ausland (founded 1933 by Philipp Schwartz in Zurich) records over 2,600 scientists in 1936. The expulsion is *legislatively* operationalised on the basis of a "racial statistics by profession" built up in Göttingen since 1924 (Gercke / Willrich) — administrative pre-operationalisation over a decade.

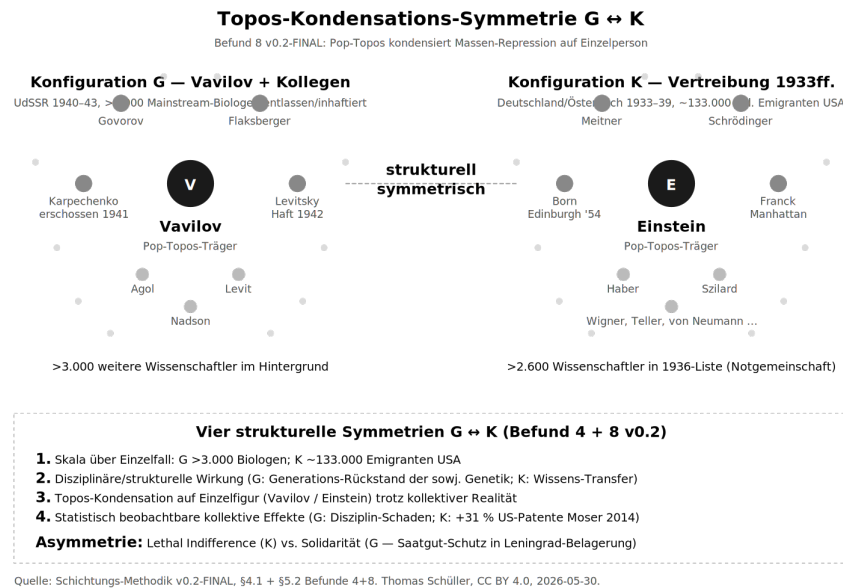
K brings in three structural features that supplement G: (a) **Lethal Indifference** of the scientific establishment (Kershaw 2008; Rosbaud account 1945 on Göttingen) — structural asymmetry to G, where Vavilov's colleagues protected the seed collection of the Vavilov Institute at risk of life during the Leningrad siege 1941–44 (nine died of hunger, the collection remained intact); (b) **measurable economic knowledge-transfer effects** (Moser 2014, *American Economic Review*: +31 % US patents in the affected fields); (c) **topos condensation onto Einstein** despite mass reality (structurally symmetrical to topos condensation onto Vavilov in G).

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## 4. Structural relations between configurations

The typology is not a list of unconnected letters but maps a network of structurally related configurations. Three central structural relations to be deepened in v0.3:

## 4.1 Class distinction single-case vs. mass configurations



Topos-condensation symmetry between configuration G (Vavilov) and K (Einstein).

Fig. 4: Topos-condensation symmetry  $G \leftrightarrow K$ . Mass repression condenses in pop topos onto an individual person while the other collectively affected remain background. Four structural symmetries  $G \leftrightarrow K$  with one relevant asymmetry (lethal indifference vs. solidarity).

G and K share four structural features that A–F and H, I, J do not have:

1. **Scale beyond single case.** > 3,000 mainstream biologists (G); ~133,000 German Jewish émigrés to the US by 1944 (K).
2. **Disciplinarily or structurally effective extinction or displacement**, not only biographical fate of an individual.
3. **Topos condensation onto an individual person** despite collective reality (Vavilov in G; Einstein in K). Other central bearers (Karpechenko, Levitsky in G; Born, Franck, Haber, Schrödinger, Meitner in K) remain background in pop memory.
4. **Statistically observable collective effects.** Generation backwardness of Soviet genetics (G); +31 % US patents in the affected fields, plus Manhattan Project personnel (Szilard, Wigner, Teller, von Neumann, Franck) as direct effect of the 1933 expulsion (K).

Methodological consequence: the index-card form is tailored to single cases. Mass configurations additionally require statistics. The class distinction should be systematically developed in v0.3.

## 4.2 Massignon effect of the secondary source

From H (al-Ḥallāj): the central Western secondary source — Louis Massignon’s *La Passion de Husayn Ibn Mansûr al-Hallâj, martyr mystique de l’Islam* (1922, 2nd ed. 4 volumes 1975 posthumous) — is not a neutral mediation to the primary material but an independent layer with its own D4 functional context (orientalist-philological + Catholic-personal + late-colonial). It dominates Western reception for ~70 years. Only revisionist research from the 1990s (Ernst 2018, Irwin 2015) makes the constructed character visible.

Methodological consequence: secondary sources in turn demand a D-dimensions analysis. A central modern secondary source with a lifelong research programme behind it (Massignon, Pringle for Vavilov, Christianson for Tycho) is to be analysed as an independent layer.

In v0.3: systematically integrate secondary-source functional context into the framework.

## 4.3 Double updating topoi

From I (Ibn Rushd): two competing politically-functional updating topoi exist in parallel:

- **Renan topos** (1852): “Averroes as forerunner of Western enlightenment, against Islamic failure.” Colonial-functional.
- **nahḍa topos** (19th/20th c.): “Averroes as lost possibility of an enlightened Islam.” Post-colonial-reformist.

Both topoi are source-critically inadequate; both are coherent in their functional context. They are not epistemically competing (one is not “more correct” than the other) but *functionally different* — they make history usable in different contexts.

Methodological consequence: D4 functional context of **reception** is analytically to be separated from D4 functional context of the **event**. This separation was implicit in v0.1; v0.2 makes it explicit, and v0.3 should systematically work it out.

## 5. Findings

### 5.1 Three v0.1 findings — verified against 12 cases

**Befund-Matrix: 12 Fälle × 3 v0.1-Befunde**  
Apokrypher Spruch · Wissende ohne Stimme · Empirisch entscheidbar

| Fall                                     | Apokr. Spruch                                    | Ohne Stimme                  | Empirisch entscheidbar                              |
|------------------------------------------|--------------------------------------------------|------------------------------|-----------------------------------------------------|
| <b>A</b> — Sokrates 399 v.Chr.           | <input type="radio"/>                            | hagio <del>g</del> rekonstr. | <input type="radio"/>                               |
| <b>B</b> — Archimedes 212 v.Chr.         | "Noli <input checked="" type="radio"/> bare"     | <input type="radio"/>        | <input type="radio"/>                               |
| <b>C</b> — Hypatia 415 n.Chr.            | <input checked="" type="radio"/>                 | verlo <del>o</del>           | <input type="radio"/>                               |
| <b>D</b> — Maya-Schreiber 1562           | <input type="radio"/>                            | verni <del>o</del> et        | <input type="radio"/>                               |
| <b>E</b> — Galilei 1633                  | "Epp <del>o</del> di muove"                      | <input type="radio"/>        | <input type="radio"/>                               |
| <b>F</b> — Beijing 1664–69               | <input type="radio"/>                            | <input type="radio"/>        | <input checked="" type="radio"/> Eclipse-Vorhersage |
| <b>G</b> — Vavilov 1940 (+ Kollegen)     | <input type="radio"/>                            | <input type="radio"/>        | <input checked="" type="radio"/> Mendel-Gen, etabl. |
| <b>H</b> — al-Hallāğ 922                 | "Anā <input checked="" type="radio"/> haqq"      | zerst <del>o</del> rekonstr. | <input type="radio"/>                               |
| <b>I</b> — Ibn Rushd 1195                | <input type="radio"/>                            | <input type="radio"/>        | <input type="radio"/>                               |
| <b>J</b> — Tycho-Erbe 1601ff.            | mod. <input checked="" type="radio"/> -Konstr.   | re-int <del>o</del> pretiert | <input type="radio"/>                               |
| <b>G-stab</b> — Vavilov-Kollegen 1941–43 | <input type="radio"/>                            | versch <del>o</del> tet      | <input checked="" type="radio"/>                    |
| <b>K</b> — Vertreibung 1933ff.           | Einstein-Misszit.                                | <input type="radio"/>        | <input type="radio"/>                               |
| <b>Σ</b>                                 | <b>4/12 klass. + 1/12 mod. mit 4 Zwischenst.</b> |                              | <b>2/12 (F, G)</b>                                  |

**Legende:** ☒ Ja    ☐ Teilweise / Zwischenzustand    ☐ Nein

**Befund 1:** Apokrypher Spruch korreliert mit dramatischem Hinrichtungs-Ereignis als Pop-Stoff.  
**Befund 2:** Quote ohne Stimme von 67 % (v0.1) auf 33 % gesunken; Skala um 4 Zwischenzustände differenziert.  
**Befund 3:** Entscheidbarkeit ≠ Entscheidung. Bei G empirisch entschieden, per Dekret außer Kraft gesetzt.

Quelle: Schichtungs-Methodik v0.2-FINAL, §5. Thomas Schüller, CC BY 4.0, 2026-05-30.

Findings matrix: twelve cases against three v0.1 findings, with refined scale of the voice question.

Fig. 3: Findings matrix of the three v0.1 findings across twelve cases. Quota of knowers without voice drops from 67 % to 33 %; the scale of the “voice” question differentiates into four intermediate states.

#### Finding 1 — Apocryphal phrase as topos marker.

| State v0.1 (6 cases)                 | State v0.2-FINAL (12 cases)                                                                                                                                    |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3/6 with apocryphal phrase (B, C, E) | 4/12 with classical apocryphal phrase (B, C, E, H); additionally 1/12 with modern pop construction against documented source base (J Kepler-murder hypothesis) |

The refinement: apocryphal phrase correlates with dramatic execution event as pop material (B, C, E, H — all executions with spectacular image potential). Configurations without dramatic execution event (G imprisonment, I banishment, K professional ban) generate **no** classical phrase topos.

Special case J: documented phrase (*Ne frustra vixisse videar*) and in parallel modern pop construction (Kepler-murder hypothesis 2004) — pop constructions can emerge *alongside* documented source base, not only in its absence.

Mass configurations (G, K) develop other topos structures: condensation onto an individual person plus dispersed pop quotations (Einstein misattributions) — functionally analogous but not classical phrase topos.

### Finding 2 — Knowers without first-person voice.

| State v0.1               | State v0.2-FINAL          |
|--------------------------|---------------------------|
| 4/6 without voice (67 %) | 4/12 without voice (33 %) |

The scale refines from binary to five-stage:

1. **No voice:** D (Maya scribes — knowledge bearers and writings both destroyed).
2. **Hagiographically reconstructed:** A (Socrates — Plato, Xenophon), H (al-Ḥallāj — Sufi collectors of the 4th/10th c., Massignon).
3. **Voice preserved, structurally re-interpreted:** J (Tycho — data preserved but used in the theoretical framework of the opponent).
4. **Disciplinary voice preserved, biographical voice shadowed:** Vavilov colleagues (Karpechenko's Raphanobrassica in the textbook; person in Vavilov's shadow).
5. **Voice fully preserved:** E Galileo, G Vavilov, F Schall, I Ibn Rushd (in foreign tradition), K expellees.

The scale differentiation is a v0.2 contribution; v0.1 had only “voice present/absent”.

### Finding 3 — Empirical decidability as exception.

| State v0.1                    | State v0.2-FINAL                  |
|-------------------------------|-----------------------------------|
| 1/6 empirically decidable (F) | 2/12 empirically decidable (F, G) |

Refinement: decidability ≠ decision. In G the empirical decision was made (Mendelian genetics internationally established; Lysenko's neo-Lamarckian position falsified from the first day), but **set aside by decree**. Political power can ignore empirically-decided matters when the institutional framework permits.

Theological, philosophical, political and legitimating disputes continue to dominate clearly (10/12 cases). In J and K the “matter of dispute” is not a single object but structural act (data inheritance; legal expulsion).

## 5.2 Six new v0.2 findings

**Finding 4 — Class distinction single-case vs. mass configurations.** G and K share four structural features (see §4.1). Methodological consequence: two analysis forms in parallel — index card for single cases, statistics plus topos-condensation analysis for mass configurations.

**Finding 5 — Massignon effect of the secondary source** (see §4.2).

**Finding 6 — Double updating topoi** (see §4.3).

**Finding 7 — Knowledge-fate in time constellations.** From J: the programme title “knower vs. power” is too narrow. Tycho dies naturally; the conflict arises posthumously as inheritance dispute. Data outlive the theoretical framework of their producer and carry the theoretical framework of his opponent. Infrastructure dies through political upheaval unrelated to the knower. The actual phenomenon is *knowledge-fate in time constellations*: inheritance, re-configuration, infrastructure conditions, long-term effect courses.

**Finding 8 — Symmetry of topos condensation under mass repression.** G and K share the phenomenon: mass repression condenses in pop topos onto an individual person (Vavilov in G; Einstein in K). Other central bearers remain footnotes. Pop topos needs an individual person, cannot work with mass statistics. **Topos condensation onto an individual figure is a lawful phenomenon in mass repression** — not random selection.

Which properties make a person topos-capable? Hypotheses for v0.3 empirics: public profile before the event; iconic life narrative; posthumous marketability (stamps, films, sculptures).

**Finding 9 — Lethal indifference as structural property.** From K: the scientific establishment largely accommodates itself in silence to the expulsion 1933ff. Rosbaud’s report 1945 on the University of Göttingen: protest announcement on the previous day, silence after the act. Heisenberg-Born correspondence: scientific establishment adapts.

Structural asymmetry to G: during the Leningrad siege 1941–44 remaining staff protect the seed collection of the Vavilov Institute at risk of life; nine die of hunger; the collection remains intact.

Hypothesis (to be tested empirically in v0.3): Lethal Indifference vs. solidarity correlates with ideological complicity of the majority society. K: German bourgeoisie 1933 in majority National-Socialistically complicit; scientific establishment ideologically non-distanced. G: Soviet science 1940 while repressively grasped by the state, but Lysenko power capture recognised by many as pseudoscience and internally undermined within the scientific community.

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## 6. Limitations and weaknesses

The programme v0.2-FINAL is a pre-print methodology. The following weaknesses must be made explicit.

### 6.1 Index-card form

Per case ~1,000–1,800 words. No full analysis with primary-source work. Secondary-source selection predominantly Western-anglophone; non-Western secondary literature (Russian for

G, Arabic for H/I, Danish/Czech for J, Turkish for K-Turkey reception) is referenced but not directly examined.

## **6.2 Eurocentrism of the methodology**

The framework D1–D5 / G1–G6 is conceptually developed on Greco-Roman-Mediterranean source types. Configurations H (al-Ḥallāj) and I (Ibn Rushd) shift the geographic axis but leave the framework structurally unchanged. A consistently post-Eurocentric methodology would be v0.3 programme work.

## **6.3 Configuration typology each on one main case**

Configurations G, H, I, J, K are each formulated on one main case; G is first stabilised through the colleagues index card. Comparison cases for the others are pending:

- H: Suhrawardī Aleppo 1191; Jewish martyr topoi in the Middle Ages.
- I: Maimonides 1148 (Almohad conversion pressure); Ibn Taymiyya imprisonments.
- J: Galileo's correspondence-legacy dispute (posthumous 1642–1734); Newton-Hooke; Mendel rediscovery 1900.
- K: Expulsion Italy 1938 (Razza laws); Soviet repressions 1947–53 (Stalin antisemitism); Iran 1979.

## **6.4 Scale question**

Index-card form fits A–F, H, I, J. Mass configurations G and K require statistics. v0.3 should develop two methodological forms in parallel.

## **6.5 External review**

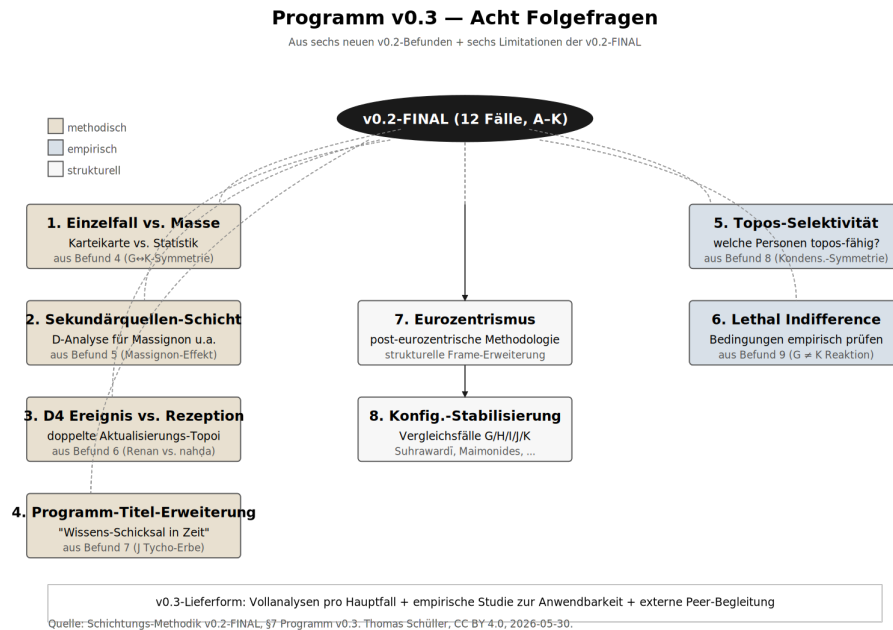
There is no external peer accompaniment. Findings are verified by web research and ISBN/DOI but not reviewed by specialist reading. A v1.0 would presuppose institutional embedding and systematic peer accompaniment.

## **6.6 Three-level distinction**

The separation documented fact / causal bridge / interpreting reading is implemented in the index cards but not everywhere explicitly identified in the argumentative steps of the configuration typology. A systematic marking of the level affiliation of each argumentative step would be v0.3 work.

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## 7. Programme v0.3



Programme v0.3: eight follow-up questions structured by methodical / empirical / structural.

Fig. 5: Programme v0.3 — eight follow-up questions from the six new v0.2 findings and six limitations.

From the six new findings and six limitations a v0.3 programme with eight follow-up questions emerges:

1. **Class separation single-case vs. mass configurations** systematise. Develop two analysis forms: index card vs. statistical survey.
2. **Secondary-source functional context** as own layer integrate into the framework. Massignon effect not as special case but as systematic layer position.
3. **D4 separation event vs. reception** systematise. Double updating topoi as own analysis point in the framework.
4. **Programme title expansion** to "knowledge-fate in time constellations". Posthumous inheritance, re-configuration and infrastructure conflicts as own structural axis, not as special case of "knower vs. power".
5. **Topos-condensation selectivity** as own analytical object. Which properties make a person topos-capable (public profile; iconic life narrative; posthumous marketability)?
6. **Lethal-indifference conditions** test empirically. Which conditions generate Lethal Indifference vs. solidarity under mass repression?

7. **Eurocentrism addressing** structurally. Post-Eurocentric extension of the framework D1–D5 / G1–G6.

8. **Stabilisation of the configurations** through comparison cases (main cases per configuration see §6.3).

Possible v0.3 delivery form: full analyses per main case (instead of index cards); empirical study on the applicability of the methodology in research practice; external peer accompaniment; a systematic scale comparison single case vs. mass.

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## 8. Closure type

**USE-CASE-SCHLUSS v0.2-FINAL.** The twelve cases, eleven configuration letters (A–K), six new findings and eight v0.3 follow-up questions are scope-fixed. Further extensions would be v0.3 programme work with separate iterations.

**What v0.2 is not:** - no full analysis per case (index-card format) - no external peer review - no claim to completeness of the configuration typology - no systematic empirics on the validity of findings 4–9.

These points stand as v0.3 programme.

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## 9. Sources

The source base per configuration is fully documented in the six v0.2 index cards (see `werk/v02-FINAL/02_karteikarten/`) and the four v0.1 strands (see `werk/v01/01_archimedes_pilot/` to `04_topos_application/`). Here only collective references of the central secondary literature carrying the main arguments of this main work.

### Configuration G (Vavilov + colleagues)

- Pringle, Peter (2008): *The Murder of Nikolai Vavilov*. New York: Simon & Schuster. ISBN 978-0-7432-6498-3.
- Roll-Hansen, Nils (2005): *The Lysenko Effect*. Amherst: Humanity Books.
- Roll-Hansen, Nils (2008): “Wishful Science.” *Osiris* 23, 166–188.
- Roll-Hansen, Nils (2014): “Vavilov, Nikolai Ivanovich.” *eLS*, Wiley. DOI 10.1002/9780470015902.a0025064.
- Soyfer, Valery N. (1994): *Lysenko and the Tragedy of Soviet Science*. New Brunswick: Rutgers UP.
- Medvedev, Zhores A. (1969): *The Rise and Fall of T. D. Lysenko*. New York: Columbia UP.
- Joravsky, David (1970): *The Lysenko Affair*. Cambridge, MA: Harvard UP.

- Loskutov, Igor G. (2014): “Nikolai Vavilov in the years of Stalin’s ‘Revolution from Above.’” *Studies in the History of Biology*.

### **Configuration H (al-Ḥallāj)**

- Ernst, Carl W. (2018): *Hallaj: Poems of a Sufi Martyr*. Evanston: Northwestern UP. ISBN 978-0-8101-3735-6.
- Massignon, Louis (1922/1975): *La Passion de Husayn Ibn Mansûr al-Hallâj*. 4 vols., 2nd ed. Paris: Gallimard.
- Irwin, Robert (2015): “Al-Hallaj’s Truth, Massignon’s Fiction.” *Critical Muslim*.
- Encyclopaedia Iranica (online): “ḤALLĀJ, ABU’L-MOĠĪT ḤOSAYN.”

### **Configuration I (Ibn Rushd)**

- Urvoy, Dominique (1991): *Ibn Rushd (Averroes)*. London: Routledge.
- Urvoy, Dominique (1998): *Averroès. Les ambitions d’un intellectuel musulman*. Paris: Flammarion.
- Stanford Encyclopedia of Philosophy (online): “Ibn Rushd [Averroes].”
- Endress, Gerhard (1999): *Averroes and the Aristotelian Tradition*. Leiden: Brill.

### **Configuration J (Tycho)**

- Thoren, Victor E. (1990): *The Lord of Uraniborg*. Cambridge: CUP.
- Christianson, John Robert (2002): *On Tycho’s Island*. Cambridge: CUP. ISBN 0-521-00884-0.
- Dreyer, John Louis Emil (1890/1963): *Tycho Brahe*. Edinburgh / Dover Reprint.
- Rasmussen, Kaare Lund / Kučera, Jan et al. (2012): forensic analysis of Tycho’s remains — mercury poisoning ruled out as cause of death.

### **Configuration K (Expulsion 1933ff.)**

- Beyerchen, Alan D. (1977): *Scientists Under Hitler*. New Haven: Yale UP.
- Hentschel, Klaus (ed.) (1996): *Physics and National Socialism*. Basel: Birkhäuser.
- Moser, Petra (2014): “German Jewish Émigrés and US Invention.” *American Economic Review*.
- Kershaw, Ian (2008): *Hitler, the Germans, and the Final Solution*. New Haven: Yale UP.
- Krohn, Claus-Dieter (1993): *Intellectuals in Exile*. Amherst: U Massachusetts Press.
- Sime, Ruth Lewin (1996): *Lise Meitner: A Life in Physics*. Berkeley: U California Press.

### **Configurations A–F (v0.1)**

Source apparatuses of the individual cases in the v0.1 strands under `werk/v01/01_archimedes_pilot/` (Polybius, Livy, Plutarch, Valerius Maximus),

`04_topos_application/` (Socrates, Hypatia, Maya scribes, Galileo, Calendar Case), and in the *Framework Paper* under `02_framework_paper/`.

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*Main work v0.2-FINAL, status 30 May 2026. Closure type: USE-CASE-SCHLUSS of the v0.2 extension series.*

Directory location: `werk/v02-FINAL/00_hauptwerk/layered-methodology_main-work_v02_EN.{md,html,pdf,docx}`. Accompanying consolidation paper (~1,500 words) under `01_konsolidierungspaper/`. Index cards of the six v0.2 extension cases under `02_karteikarten/`. Master dataset (12 cases, 66 layers) under `03_datensatz/topos_twelve_cases.json`.