From Dioxin Source to Long-Term Biological Consequences

A New Information Framework for Reconstructing Wartime Contamination

Laboratory of Information Systems

Friday 16 October / 11:25–11:40 / Prague local time / 15 minutes

Individual cases and the developing process

Each case retains its territory history and evidence

Comparison examines relationships and conditions

Existing process research provides a starting point

The project needs a common way to organise that comparison

Morphology as the organisation of change

Morphology examines how changes are organised

Case models provide material for comparison

Similar patterns require examination of their conditions

The resulting account remains open to new evidence

A reconstruction with several possible pathways

Source storage transport and release have distinct histories

Environmental connections can branch across places and periods

Exposure and biological outcomes require additional evidence

Every proposed connection has a stated checking task

Comparable models of particular cases

Each model states its territory period and methods

Comparison preserves source composition and contextual differences

Proposed common relationships have explicit scope conditions

The case record preserves reasons for inclusion and exclusion

Evidence status at every connection

A source statement remains distinct from an observation

Reconstruction inference and hypothesis retain separate status

Repeated claims require checks for source dependence

Unresolved connections lead to specified research tasks

The history of a changing territory

Records and observations refer to particular times

Environmental change and intervention enter the reconstruction

Changes in a model differ from changes in the object

The dioxin jazz metaphor leads to concrete questions

Vietnamese archives as an initial work package

Select a limited corpus and a question it can address

Check documents names dates and spatial interpretations

Link candidate areas to explicit verification questions

Document access and analytical limits remain visible

Biological consequences as a separate research task

Environmental presence does not establish individual exposure

Exposure and biological observations need their own assessments

Alternative sources and explanations remain part of the design

Later-generation observations require a specified causal question

The expert–AI system in reconstruction

AI assists comparison translation and alternative formulations

Experts check consequential passages and interpretations

The record preserves revisions and responsible decisions

Useful performance means better justified research actions

A common record for interdisciplinary work

The Laboratory of Information Systems maintains provenance

The Laboratory of Military Ecotones develops process questions

Project roles identify people and specialist checks

A new finding can change another discipline’s next task

Saturday work on one bounded case

Choose one case and one consequential research question

Build a preliminary model with sources and evidence status

Identify alternatives and one discriminating next check

Assign responsibility and establish the required access

The output of the first work package

A checked preliminary case model

An explicit account of supported and unresolved relationships

A next task with responsible people and required resources

A versioned record that another investigator can continue

Sources 1–3

[1] The proposed information framework
DOI 10.66659/62p3b908

[2] Conversation with Kenneth R. Olson
DOI 10.66659/8wa9z016

[3] Morphology of military contamination
DOI 10.66659/resz8h58

Sources 4–6

[4] Scientific Recognition and Explanation
DOI 10.66659/db5ekw49

[5] Evidence status and uncertainty
DOI 10.66659/z0wwf379

[6] Vietnamese archives / Center III
DOI 10.66659/xnkh0w22

Sources 7–9

[7] Vietnamese archives / Center II
DOI 10.66659/zdcj2c76

[8] Field verification
DOI 10.66659/2qwv2037

[9] The integrated working standard
DOI 10.66659/1cabcy23

A first step towards process understanding

Unique cases supply evidence for comparison

Morphology guides questions about the organisation of change

The information framework preserves the grounds of each link

Saturday can define the first reviewable investigation