



GeoCover — Schema Changes

Source: SCHEMA_CHANGES.yaml — do not edit directly. Major/minor version bumps (x.y.0) introduce schema changes. Patch versions (x.y.z) are code/tooling only — see CHANGELOG.md.

Model v4.4.1

Schema date: 2026-04-26 **Git tag:** v4.4.1

i Patch release — tooling fixes only (missing coded domains)

No structured schema changes recorded for this version.

Model v4.4.0

Schema date: 2026-04-14 **Git tag:** v4.4.0

i Schema update for new data in Ticino (Grono and Hinterrhein)

Surfaces_PLG

Type: hierarchy_changed

Alle hydrologischen subtypes for (Gletscher, Seen und Flüsse) wurden entfernt / Toutes les subtypes pour les surfaces hydrologiques (glaciers, lacs et rivières) ont été supprimées

💡 Motivation: As the surfaces themselves have been deleted in v4.3.0 these subtypes are not needed anymore.

Linear_Objects

Type: hierarchy_changed

Neue subtypes „Faltenscharnier“ und „Achsenlinie einer Synklinale bzw. Synform“ / Nouveaux sous-types « Charnières de plis » et « Axe d'une synclinale ou d'une synforme »

💡 Motivation: These features are very helpful for understanding the structural framework of the area. See GeoCover 2D Fachgruppe discussion (24.11.2025)

Bedrock_PLG — Geol_Mapping_Unit, Tecto, Litho, Litstrat_Formation_Bank, Correlation

Type: hierarchy_changed

Hinzugefügte, gelöschte Objekte und/oder modifizierte Hierarchie / Objets de listes de valeurs supprimés et/ou hiérarchie modifiée

💡 **Motivation:** New categories for importing mapsheet Grono and Hinterrhein

Unco_Deposits_PLG — Litstrat_Unco,Litho_Unco

Type: hierarchy_changed

Hinzugefügte, gelöschte Objekte und/oder modifizierte Hierarchie / Objets de listes de valeurs supprimés et/ou hiérarchie modifiée

Model v4.3.3

Schema date: 2026-04-26 **Git tag:** v4.3.3

❗ Patch release — tooling fixes only (Excel Mapping Tool, minor version management issues). Schema export date is the SDE state used for R16.

No structured schema changes recorded for this version.

Model v4.3.2

Schema date: 2026-04-04 **Git tag:** v4.3.2

❗ Patch release — tooling fixes only (CD Bund headers, schema diff and various release notes document). Schema export date is the SDE state used for R16.

No structured schema changes recorded for this version.

Model v4.3.1

Schema date: 2026-02-16 **Git tag:** v4.3.1

Used by releases: R16

❗ Patch release — tooling fixes only (fixing double German columns). Schema export date is the SDE state used for R16.

No structured schema changes recorded for this version.

Model v4.3.0

Schema date: 2026-03-25 **Git tag:** v4.3.0

❗ Schema update (GMU code) for new mapsheet of Ticino.

Surfaces_PLG

Type: class_content_removed

Alle hydrologischen Flächen (Gletscher, Seen und Flüsse) wurden entfernt / Toutes les surfaces hydrologiques (glaciers, lacs et rivières) ont été supprimées

💡 **Motivation:** Topographic data is updated more frequently than geological data, causing systematic inconsistencies at boundaries. Hydrological surfaces will now be sourced directly from swisstopo topographic products.

Bedrock_PLG

Type: data_fill

Alle von Gletschern überdeckten Gebiete wurden mit einem undifferenzierten Bedrock-Objekt aufgefüllt / Toutes les zones recouvertes par des glaciers ont été remplies avec un objet de type Bedrock indifférencié

Unconsolidated_Deposits_PLG

Type: data_fill

Alle Gebiete von Flüssen oder Seen bedeckt, wurden mit undifferenziertes Quartär ausgefüllt / Toutes les zones recouvertes par des rivières ou des lacs ont été remplies avec un objet de type Quaternaire indifférencié

Bedrock_PLG — Geol_Mapping_Unit, Tecto, Litho

Type: hierarchy_changed

Hinzugefügte, gelöschte Objekte und/oder modifizierte Hierarchie / Objets de listes de valeurs supprimés et/ou hiérarchie modifiée

Unconsolidated_Deposits_PLG — Geol_Mapping_Unit, Litho

Type: hierarchy_changed

Hinzugefügte, gelöschte Objekte und/oder modifizierte Hierarchie / Objets de listes de valeurs supprimés et/ou hiérarchie modifiée

Model v4.2.0 (4.1 -> 4.2)

Schema date: 2025-11-26 **Git tag:** v4.2.0

Used by releases: R15

UNCO_DEPOSIT / BEDROCK — MORE_INFO

Type: content_cleared

Cleanup — metadata content cleared / contenu (métadonnées) effacé

Model v4.1.1

Schema date: 2025-11-26 **Git tag:** v4.1.1

i Small translation errors on 4.1

No structured schema changes recorded for this version.

Model v4.1.0 (4.0 -> 4.1)

Schema date: 2025-08-26 **Git tag:** v4.1.0

Used by releases: R14

BEDROCK

Type: domain_source_changed

From	coded_domain inline
To	Geological Mapping Unit (GMU/KE)

Einführung von Kartiereinheit (GMU) / Introduction des Geological Mapping Unit (KE)

💡 **Motivation:** KE provides a single point of truth managed by the geology team, reducing duplication between schema and legend files.

GC_SURFACES — KIND

Type: value_added

DE	FR
Kame	Kame

GC_LINEAR_OBJECTS — KIND

Type: value_added

DE	FR
periglazialer Wulst im Allg. neotektonischer Bruch	bourrelet périglaciaire en général faille néotectonique

Model v4.0.0

Schema date: 2024-11-25 **Git tag:** v4.0.0

Used by releases: R13

🔔 **Notice:** Previous versions were maintained manually. For a complete overview of changes, please compare this document directly with the previous model version.

📌 First version generated by the lg-geology-data-model codebase (R13).

Model v3.0

Schema date: 2017-11-13 **Used by releases:** R12

🔔 **Notice:** Previous versions were maintained manually. For a complete overview of changes, please compare this document directly with the previous model version.

📌 Major revision. Published 2017-11-13.

Model v2.1

Schema date: 2012-10-31

 **Notice:** Previous versions were maintained manually. For a complete overview of changes, please compare this document directly with the previous model version.

 Minor revision. Translation into FR, IT and EN. Published 2012-10-31.

Change Type Reference

Type	Meaning
value_added	New coded domain value
value_removed	Coded domain value deleted
attribute_added	New column added to a class
attribute_removed	Column removed from a class
class_added	New table introduced
class_removed	Table deleted
domain_source_changed	Attribute relinked to different domain source (e.g. inline → KE)
hierarchy_changed	Values reorganized without explicit add/remove list
content_cleared	Data cleared, schema structure unchanged
class_content_removed	Features removed from a class
data_fill	Gap-filling operation on existing schema
attribute_relinked	Attribute reconnected to a different coded domain