A transformation specification to align reference data with INSPIRE Annex I data themes has been created by the surveying authorities of the Länder of the Federal Republic of Germany (AdV).

Under the INSPIRE Directive, the German cadastral and mapping administrations have to provide INSPIRE compliant data sets which are usually transformed from the original source data. Whereas the source and target models are well defined, there was a strong need for a clear description of mapping rules to transform the source data in a harmonised way.

AdV has created a complete, formal and executable data transformation specification to transform authoritative data to INSPIRE Annex I data sets. The transformation rules are defined by the HUMBOLDT Alignment Editor (HALE) Alignments, which can be directly executed or easily transformed to other schema transformation tools. HALE Alignments are used as a formal description of the transformation rules. These are much more precise than the Excel sheets which were previously used. The transformation rules are interactively documented and published at www.adv-online.de. For each source object the target object is defined, accompanied by a human readable and executable transportation rule (HALE Alignment).