

PURPOSE

Aim: Provenance traceability chains are intended to provide users with high level information on the derivation of the data product, without the need to read all of the supporting documentation.

Audience: Users requiring some technical detail on product derivation (e.g. for general understanding).

For more details, see chain examples on QA4ECV website.

TERMS

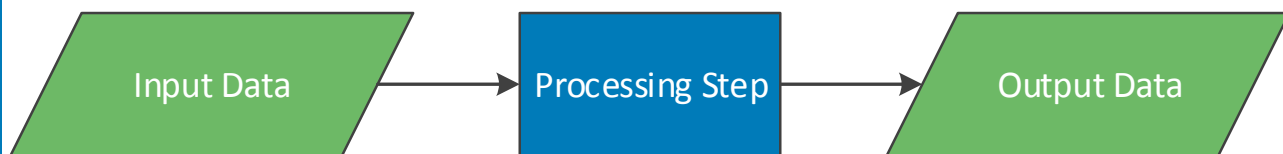
High-level chain: Main traceability chain describing the overall production of the data product. Links to sub-chains.

Sub-chain: A chain which sits under the high-level chain to describe sub-levels of the ECV product generation.

Data: Input or output datasets used in product generation. Parallelogram.

Process: A process which is part of the product generation. Rectangle.

CHAIN



GENERAL RULES

1. ECV chains should start with data or an instrument.
2. Processes should be preceded and followed by data.
3. Chain should be linked to ATBD where possible (see ATBD guidance).
4. Additional information, or a sub-chain should be specified for the majority of data or process boxes.
5. Sub-chains should follow the same recommendations as the high-level chain.

ADDITIONAL INFORMATION

Processing Step Details

- Purpose of applying the step.
- Principles underpinning step.
- Assumptions, simplifications and approximations.

Input / Output Data Details

- Dataset name and version number.
- Justification for use.
- Variable(s) used.
- Gaps, trends, discontinuities data which impact the product.

PRODUCTION

A tool for making chains and publishing them to a website is available through the QA4ECV quality system, available at www.qa4ecv.eu.

The quality system allows the documentation of ECV product information and dissemination to users.