



QA4ECV Quality System: Quality Checklist



Aim

Checking the level of detail provided about an ECV data product helps to improve the available information. The checklist provided here states what information should be provided and details levels against which the information provided can be assessed.

	QA4ECV-Basic	QA4ECV-Intermediate	QA4ECV-Advanced
Details	Documentation available with source code and details on product completeness + consistency	Parameter details provided; ATBD / PUG provides significant detail; forum provided for users	Parameter details split spatially / temporally; ATBD / PUG in line with guidance; forum is monitored
Traceability	High level diagrams with basic information on algorithm provided	Detailed diagrams with relevant sub-chains; detailed information for steps	Detailed information on most steps as well as uncertainty information provided
Flags	Simple flags available in the product with basic information available on derivation and usage	Several flags provided allowing easy distinction of data quality; details provided for each flag	Comprehensive set of flags / ancillary data provided to allow detailed understanding of quality
Validation	Assessed against LPV hierarchy; validation report available and some campaign details	Justification for LPV hierarchy provided; good level of detail provided for validation and intercomparison.	Validation guidance closely followed and comprehensive information on campaigns provided
Uncertainty	Details of uncertainty calculations provided including how they are made available in product and how they should be used	Contributors to uncertainty analysis and calculation details provided with enough information to allow immediate use	Uncertainty significance estimates for all contributors
Assess	Maturity matrix filled in to some extent; GCOS – basic details provided.	All maturity matrix filled in; comments provided for GCOS.	All boxes filled with consensus between producer and auditor.