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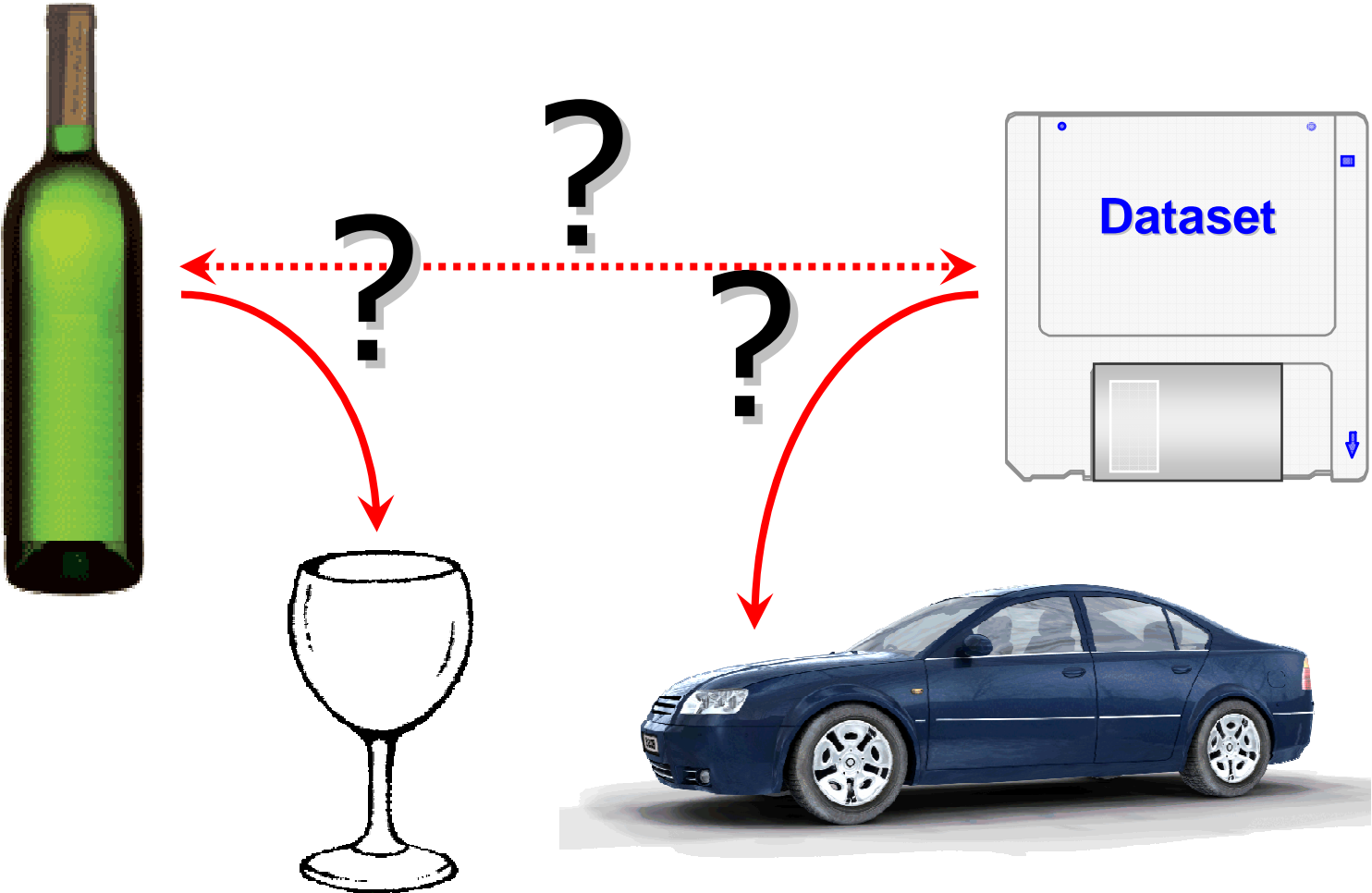
Thilo Wenzel / ETAS GmbH

# CDF V2.0 – Qualifying Data

More as just a  
New Standardized Data Exchange Format

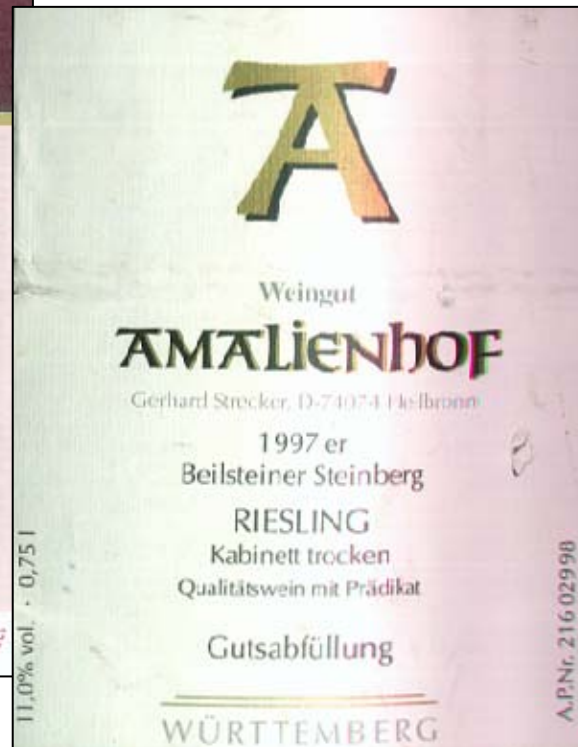
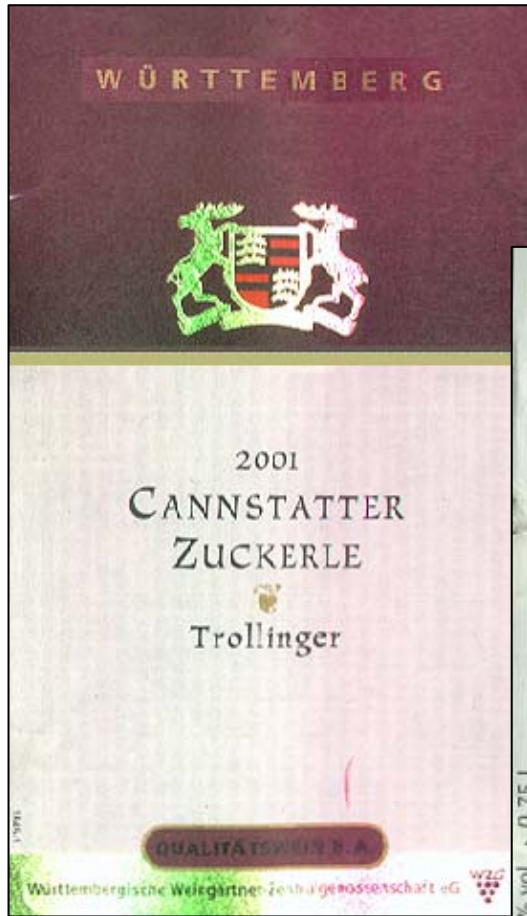
# CDF V2.0 – Qualifying Data

What means 'Quality' ?

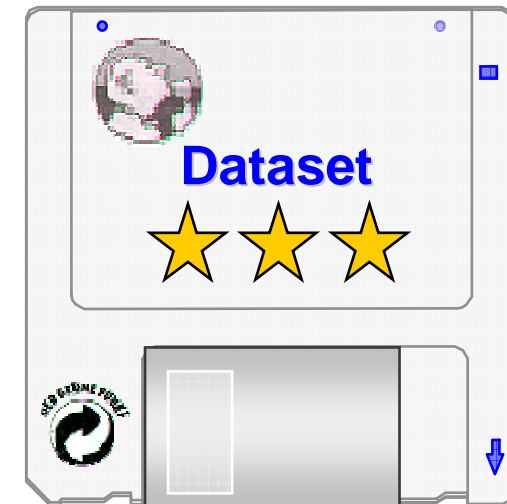


# CDF V2.0 – Qualifying Data

## Quality Information

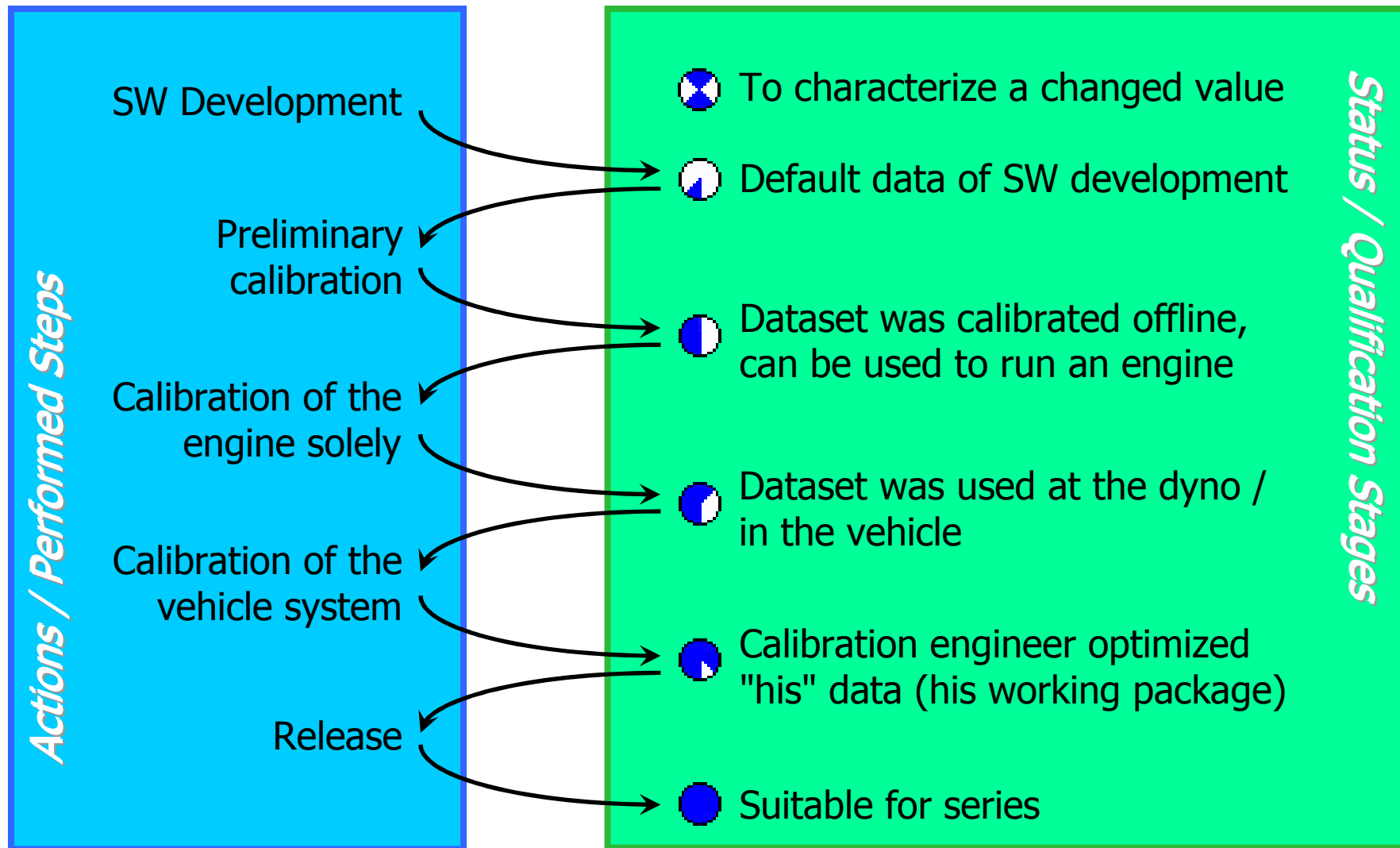


- What is the meaning of quality for a dataset ?
- How to add quality information ?



# CDF V2.0 – Qualifying Data

## Characteristic Steps

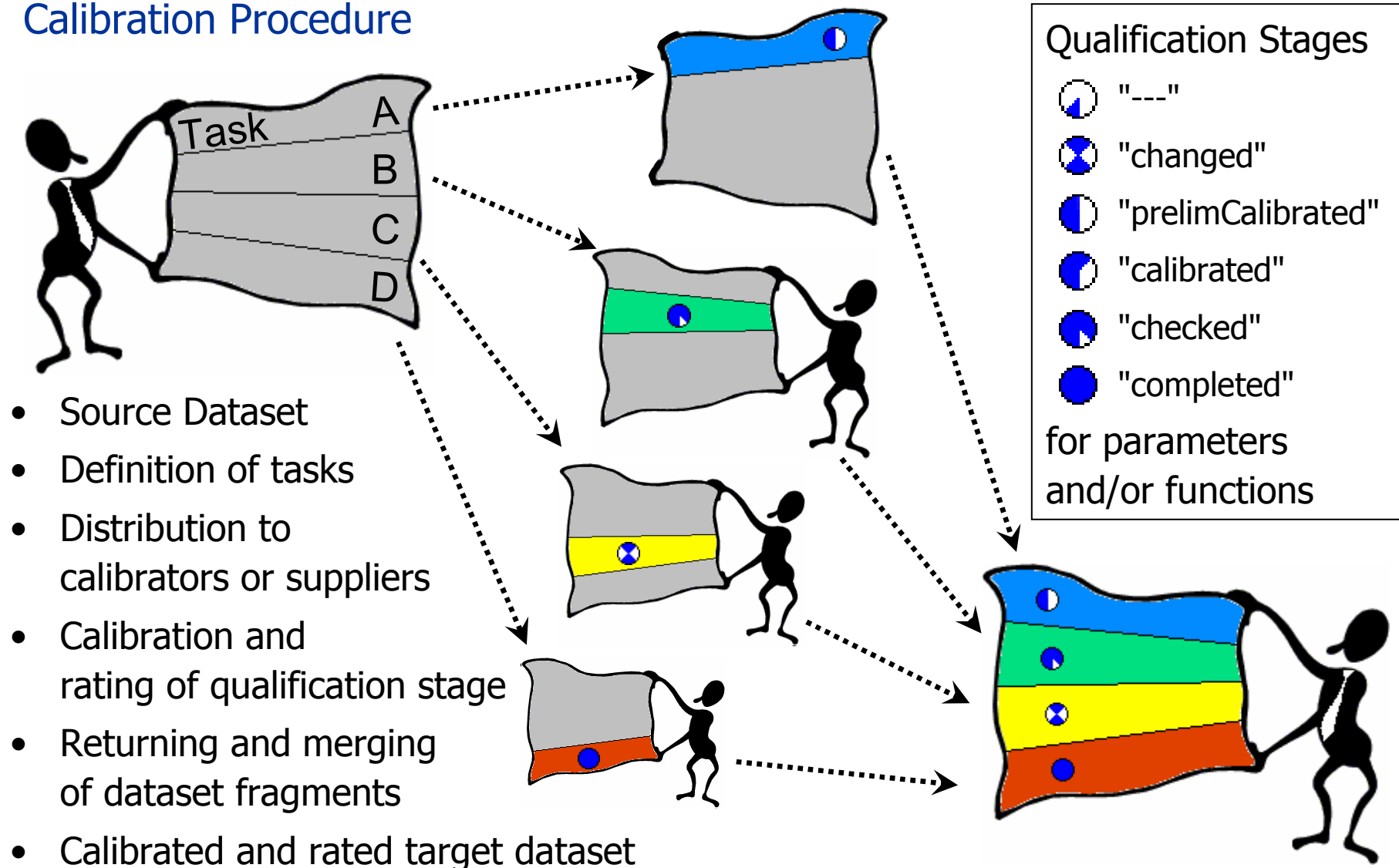


# CDF V2.0 – Qualifying Data

## Origin and Current State

- MSR (Manufacturer Supplier Relationship)
  - Cooperation of German OEMs and Suppliers (BMW, DaimlerChrysler, VW, Porsche, Bosch, Hella, Siemens VDO)
  - Original definition of 'Quality' description in the PaCo format
- ASAM AE-CDF
  - Workgroup to adopt the PaCo format into the ASAM AE-CDF format (Bosch, dSpace, ETAS , MAN, Siemens, Vector Informatik, XI-Works)
  - Detailed discussion of open questions of the format and use cases
  - Compatibility to former PaCo 'Quality' description
  - Quality Meta Data transfer with standardized values
  - Cover all data types to allow world wide use
  - XML based format to allow easy implementation in tools

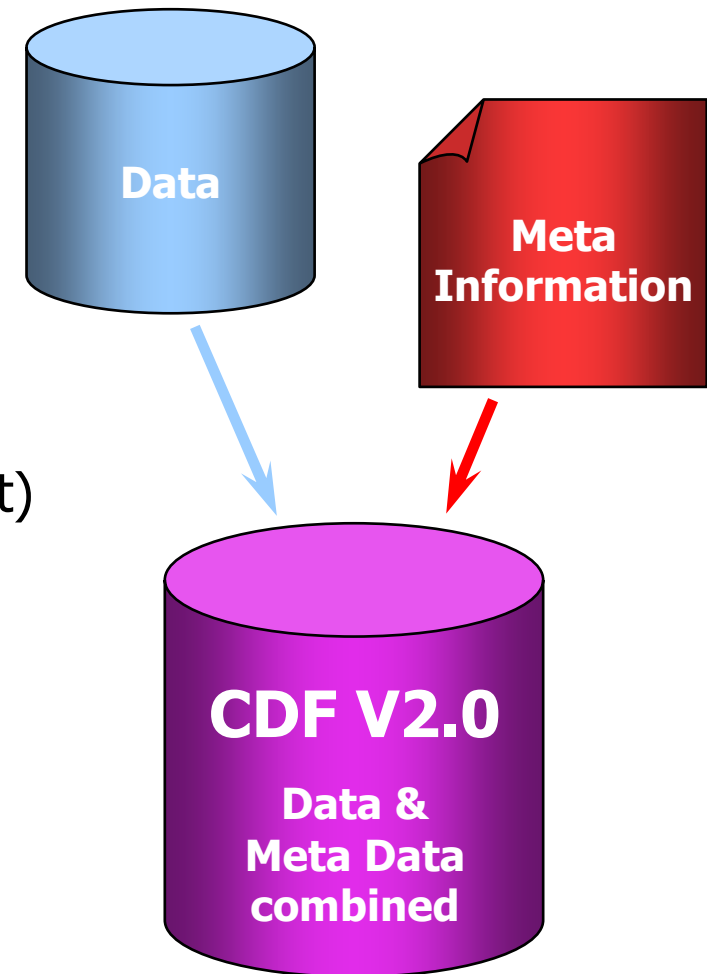
# CDF V2.0 – Qualifying Data Calibration Procedure



# CDF V2.0 – Qualifying Data

## Advantages and Benefits

- One file containing calibration data and qualification stage information
  - ↳ CDF V2.0 will improve data exchange and thereby increase process safety
- Standardized exchange format (XML format) and standardized qualification stages describing meaningful transitions
  - ↳ CDF V2.0 supports cooperation and simultaneous engineering
- Statistical analysis
  - ↳ CDF V2.0 allows estimation of the project state



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# CDF V2.0 – Qualifying Data

Thank you for your attention!