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► **To cite this version:**

Vincent Besson, David Fiala, Philippe Rigaux, Virginie Thion. Gioqoso, an Online Quality Evaluation Tool for MEI Scores. Music encoding conference 2018 (MEC 2018), May 2018, Washington DC, United States. , 2018. hal-01708859

HAL Id: hal-01708859

<https://hal.science/hal-01708859>

Submitted on 11 Jun 2018

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GioQoSo

AN ON-LINE QUALITY EVALUATION TOOL FOR MEI SCORES

Vincent Besson • David Fiala • Philippe Rigaux • Virginie Thion

> DATA QUALITY ISSUES

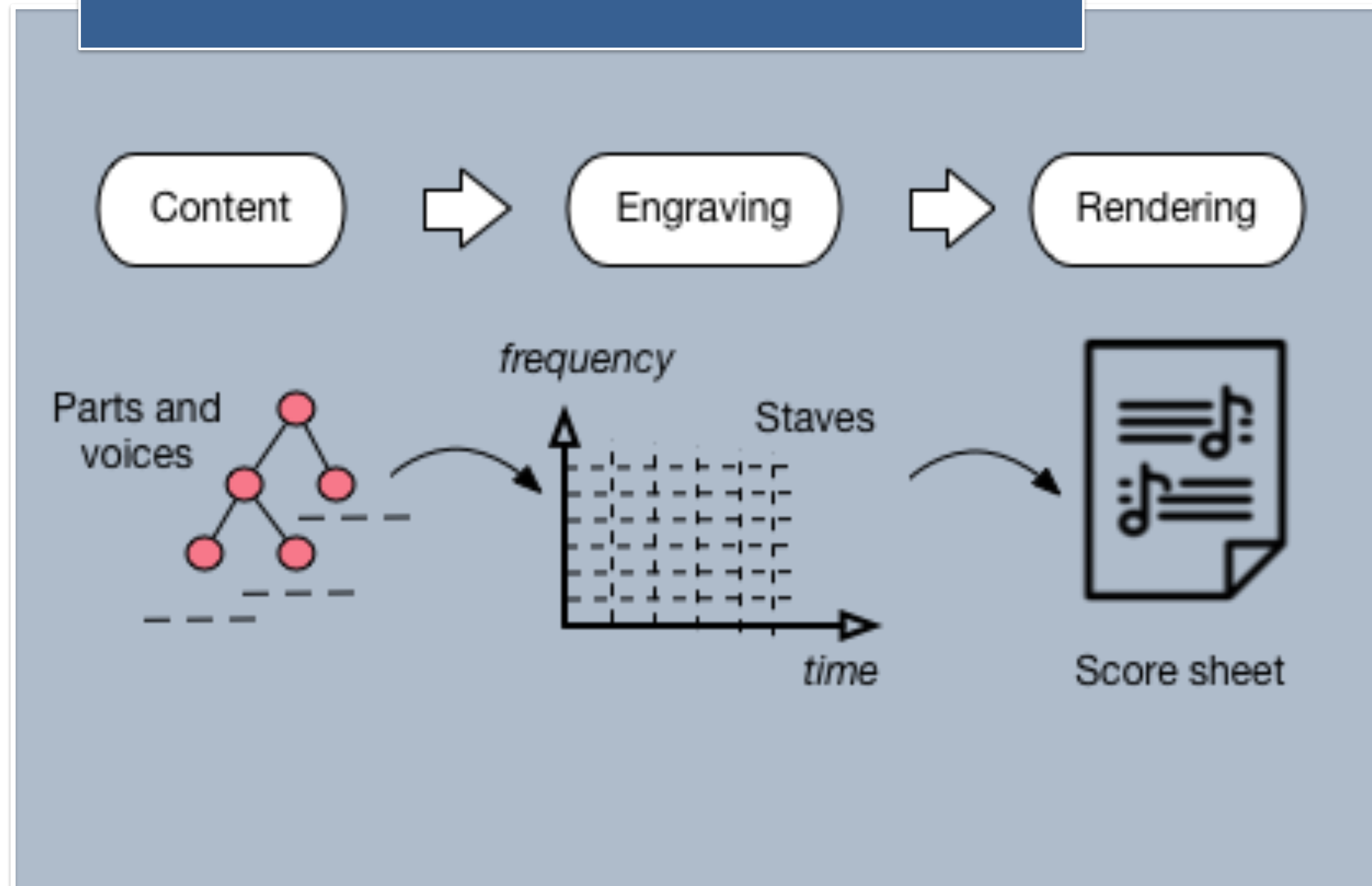
Data Quality Problems

Validity	Measure durations, voices and parts synchronization
Consistency	Heterogeneous notations, high variability in meta-data, undetermined or inconsistent editorial rules
Completeness	Missing notes, directives, ornamentation, slurs or ties
Accuracy	Music, lyrics

Quality Assessment



> DATA QUALITY MODEL



> DATA QUALITY METRICS (EXAMPLES)

Examples: score content issues

Measures filled and complete?
All parts have equal length
Consistent encoding of voices
Lyrics correctly encoded?
Lyrics / music association
Etc.

Examples: score engraving issues

Voice / staves assignment
Beaming issues
Inconsistent key signatures
Etc.

> IMPLEMENTATION

The screenshot shows the GioQoSo web application interface. It features a 'Quality dashboard' with a search bar for entering a URL of a valid MusicXML or MEI score. Below the search bar is a musical score for four voices (Superius, Contratenor, Tenor, Bassus) with lyrics. The interface also includes a 'Quality Concepts' sidebar with a list of issues like 'Missing lyrics', 'Structural issues', and 'Voices issues'. An 'Info box' provides details for a specific note, and an 'Annotate event' section allows users to add metadata issues.