

The challenge of interoperability between entity models

Share-VDE experience



Data publication: SVDE discovery platform



Linked data experience

The Testaments

Get a copy

Author/creator

"Atwood, Margaret, 1939- author." Search catalog for text "Atwood, Margaret, 1939- author." →

Search catalog for text "London, England : Chatto... →

Format / description Published by

Summary

"More than fifteen years after the events of The Handmaid's Tale, the theocratic regime of the Republic of Gilead maintains its grip on power, but there are signs it is beginning to rot from within. At this crucial moment, the lives of three radically different women converge, with potentially explosive results. Two have grown up as part of the first generation to come of age in the new order. The testimonies of these two young women are joined by a third voice: a woman who wields power through the ruthless accumulation and deployment of secrets. As Atwood unfolds The Testaments, she opens up the innermost workings of Gilead as each woman is forced to come to terms with who she is, and how far she will go for what she believes."—Publisher description.

Notes

Sequel to: "The Handmaid's tale." Search catalog for text "The Handmaid's tale" \rightarrow

Contains

Sequel to: Atwood, Margaret, 1939-. Handmaid's tale.

Experience without linked data.

Search for text string → View a record → Search for text string → View...



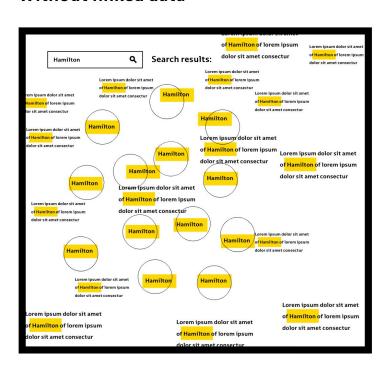
Experience with linked data.

Search for known entities → Explore by moving from entity to entity directly.

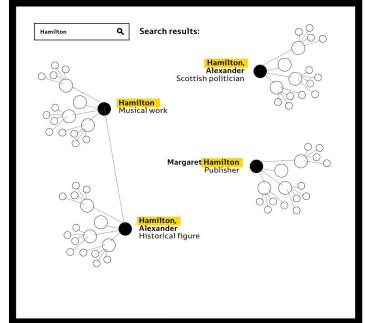


Linked data experience

Without linked data

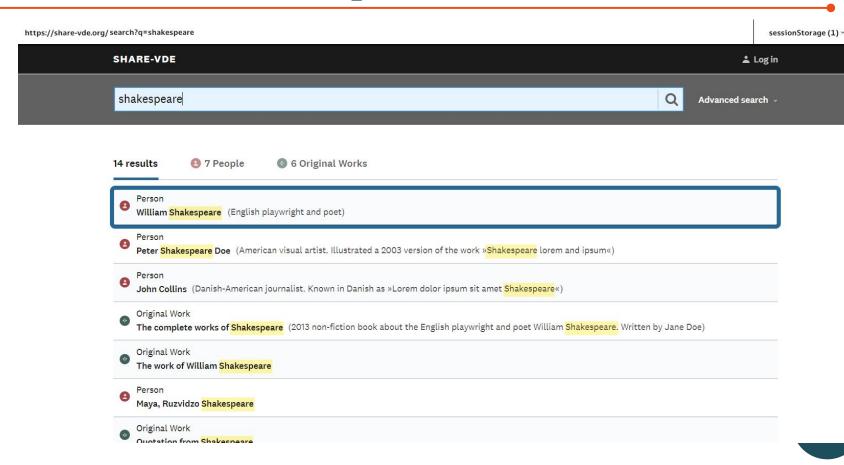


With linked data

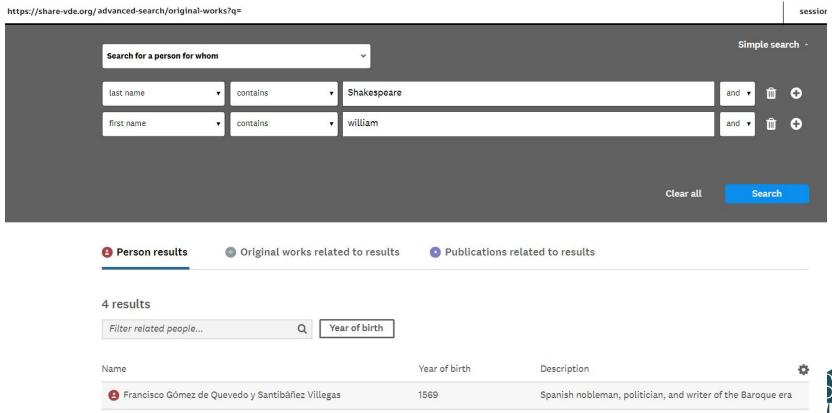




Challenge: hide complexities



Complexities behind search functions #1



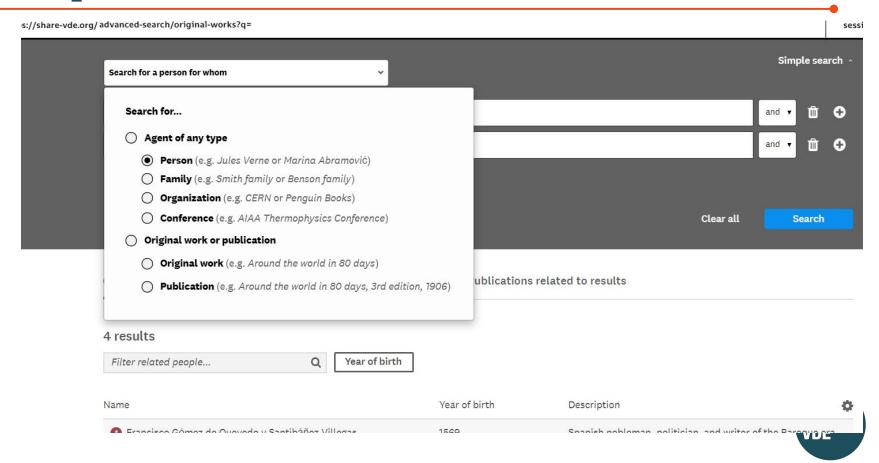
1572

Spanish playwriter, poet, novelist, and marine

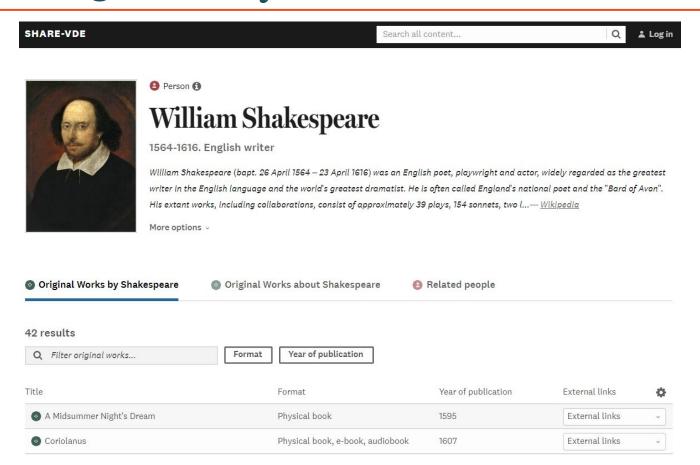


Lope Félix de Vega y Carpio

Complexities behind search functions #2

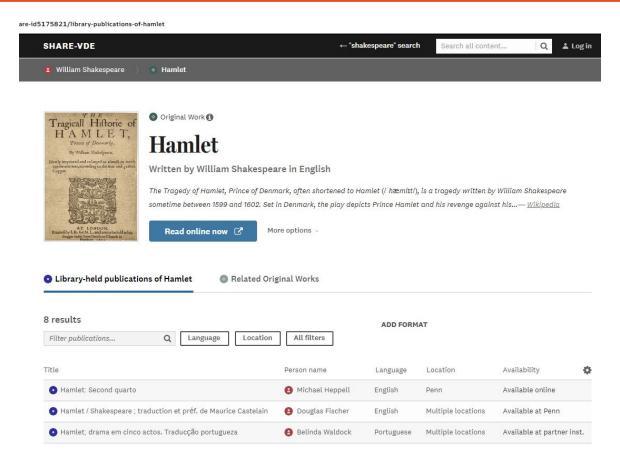


The Agent entity



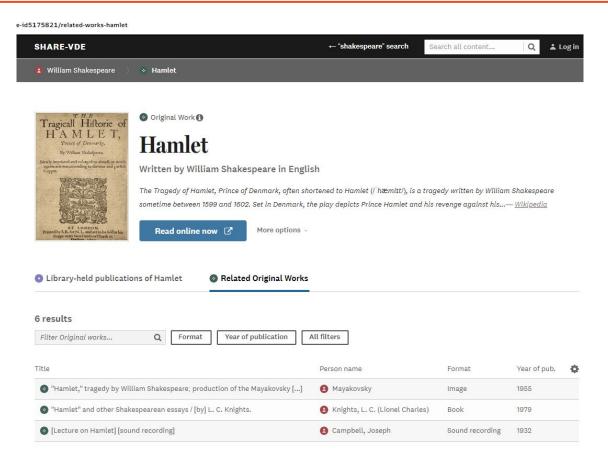


The Original work entity and its publications





The Original work entity and its related works

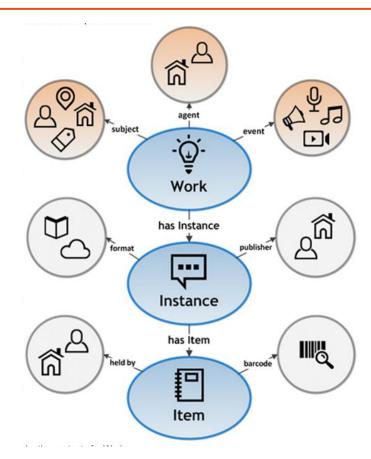




The evolution of SVDE entity model

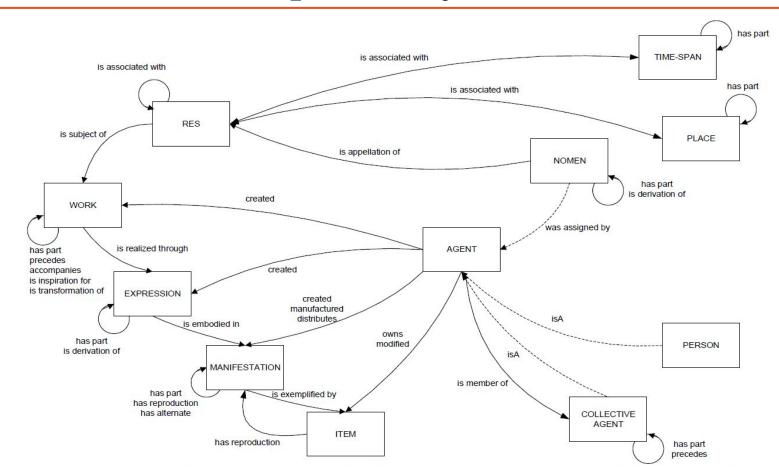


Starting point: BIBFRAME 2.0





Challenge: interoperability with LRM model





BIBFRAME vs. LRM



Work, Instance, Item (BIBFRAME)

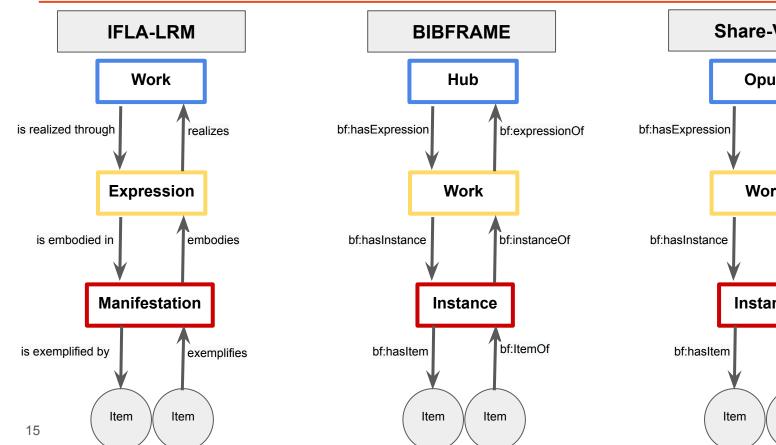
VS.

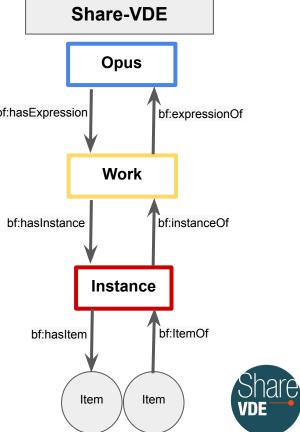
Work, Expression, Manifestation, Item (LRM)





Comparison of entity models in the LD community





Challenge: identify the "original work"

In the Share-VDE portal the "grouping" ability (effective for the purpose of enhancing the user's *navigation* function) is largely proposed starting from each entity.

If the Agent, with its attributes and its relationships, is clearly designed in all data models, both for researches and for librarians, the "Work" is a more complex entity due to the high degree of abstraction:

- ? how can we represent this abstraction without losing the effectiveness conveyed by the expression?
- ? how do we extract the intellectual content from the bf:Work that is the sum of both abstract content and concrete representation?

adding a new level/extension to BIBFRAME allows to separate the intellectual content \rightarrow identification of the "original work"



Overcoming the challenges

To overcome the challenge of identifying the original work *and* keep interoperability with other models...

the SuperWork was created

To avoid confusion with other definitions of "superwork", the Share-VDE SuperWork was *renamed* the Share-VDE *Opus* in February 2020 becoming also a new conceptual family or type of bibliographic element

The analysis of the entity model #1

The analysis in the dedicated SVDE working group considered 4 main scenarios to model the "work" entity

Main attempt:

identify among many works at the same level the "original work" of an author, the "Opus" in its original Latin meaning

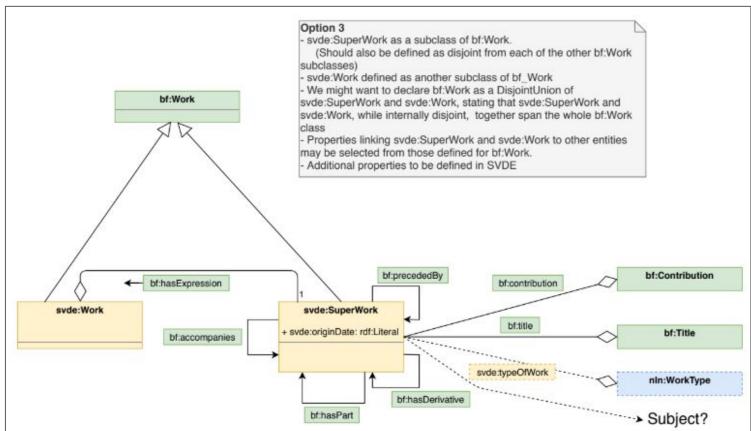


The aggregating power of an Opus is the ability to bundle together all variants and publications of an abstract work



The analysis of the entity model #2

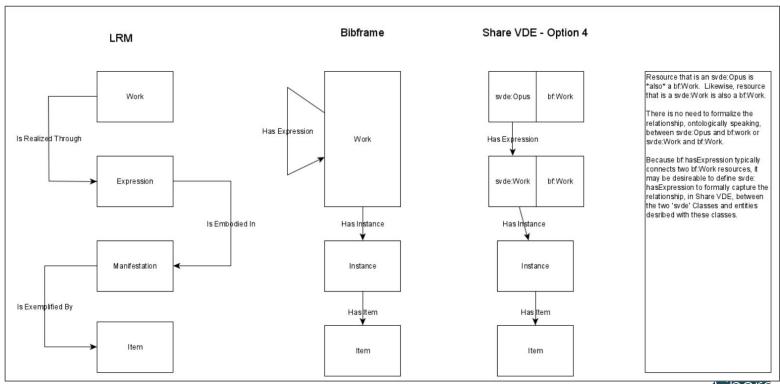
So called "Option 3"





The analysis of the entity model #3

So called
"Option 4"
more flexible
and
interoperable
with BIBFRAME
and IFLA-LRM





Similarities and differences #1

Representation in Option 3

Through subclassing:

svde:Opus is defined as a subclass of bf:Work

Desired model feature

An entity representing the abstract works of the bf:Work class is needed; svde:Opus

Any svde:Opus shall be regarded as a bf:Work.

Representation in Option 4

Through instantiation algorithms:

svde:Opus is defined as a separate class, not a subclass of bf:Work. All svde:Opus instances are also explicitly declared instances of bf:Work



Similarities and differences #2

Representation in Option 3

Through subclassing:

svde:Work is defined as a subclass of bf:Work

Desired model feature

An entity representing the "expression-like" entities of the bf:Work class is needed; syde:Work.

Any svde:Work shall be regarded as a bf:Work.

Representation in Option 4

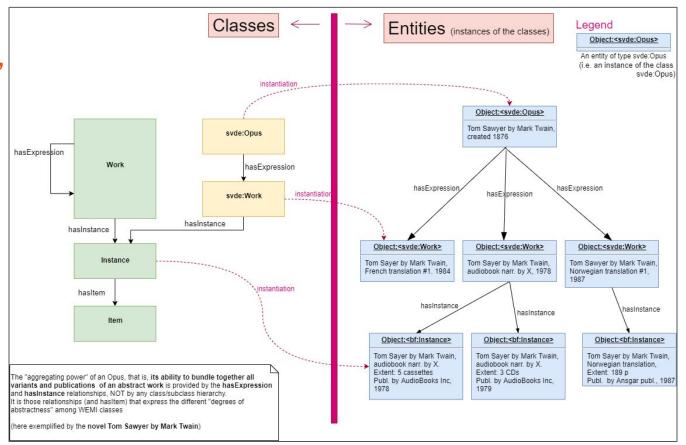
Through instantiation algorithms:

svde:Work is defined as a separate class, not a subclass of bf:Work. All svde:Work instances are also explicitly declared instances of bf:Work



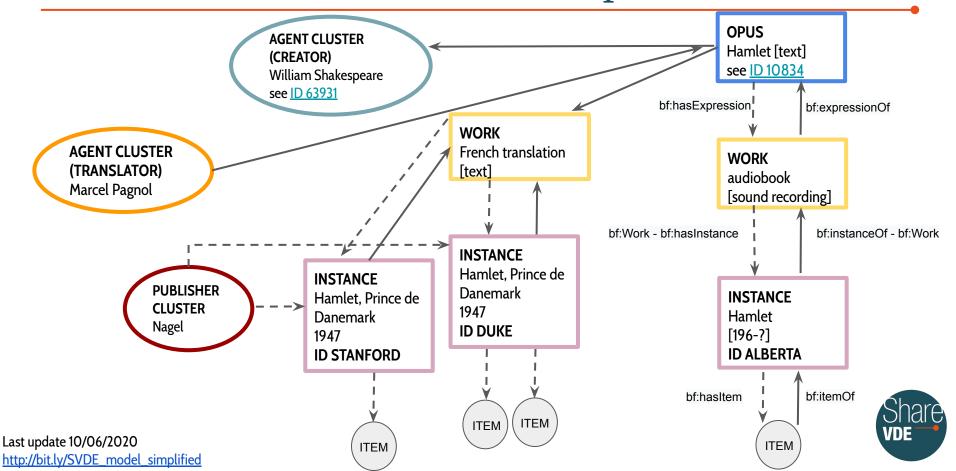
The choice of the entity model

So called "Option 4"

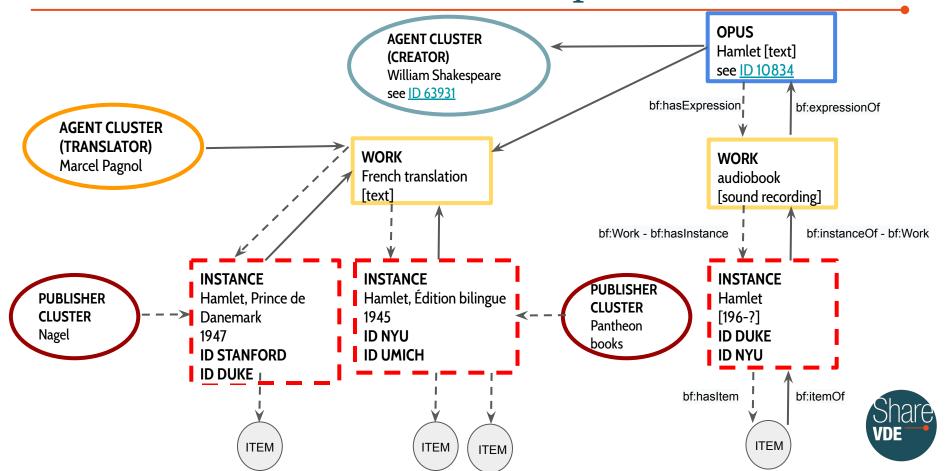




Current Share-VDE model simplified



Future Share-VDE model simplified



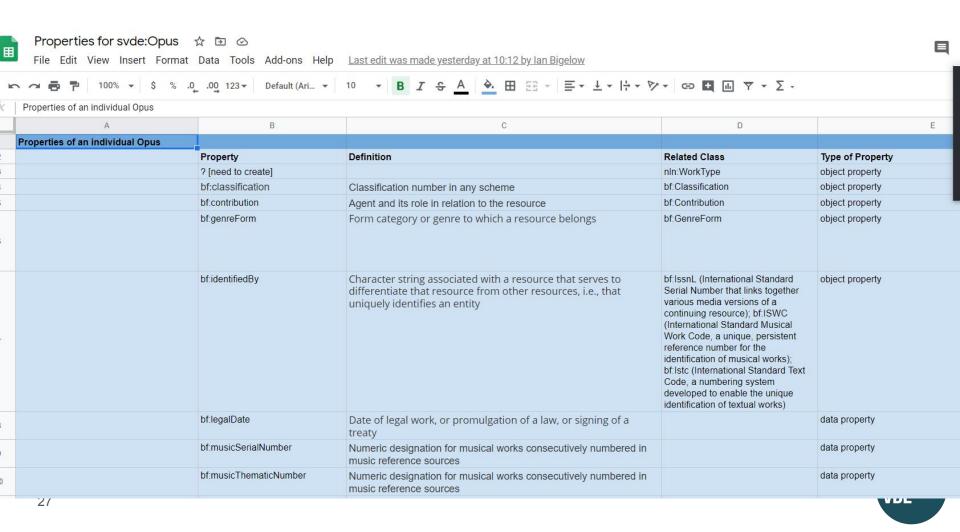
Where we are now

Goal: finalize the work done so far and choose the model that best fits the purpose of identification, description, conversion and maintenance of SVDE data - also taking into account interoperability issues with other models

How to advance from discussion to implementation?

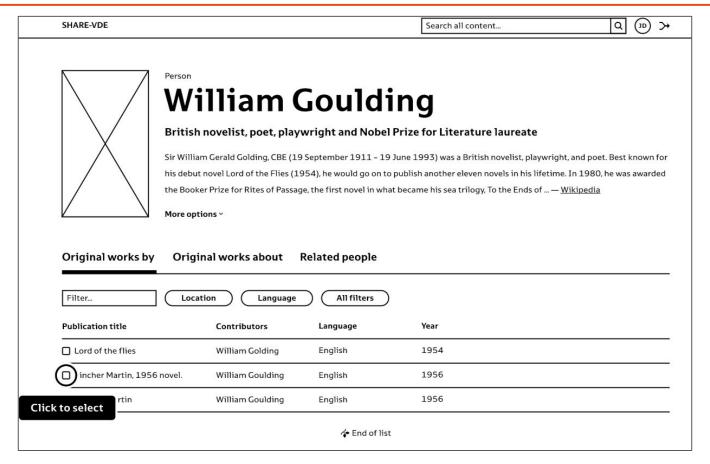
- 1. Review svde:Opus in details
- 2. Substantiate the svde:Opus with attributes and relationships



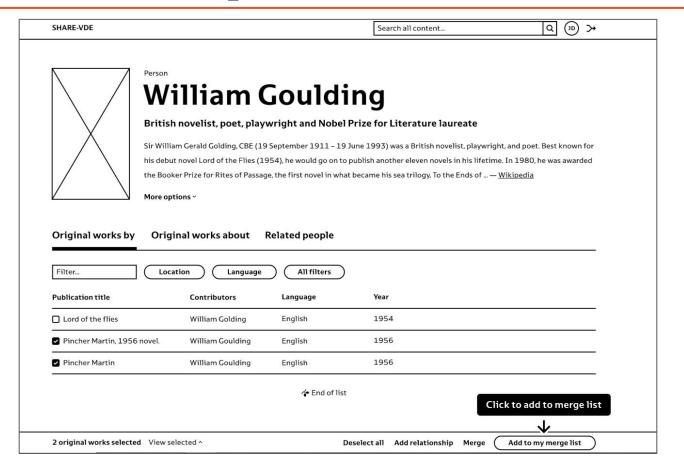


Data publication vs. data editing





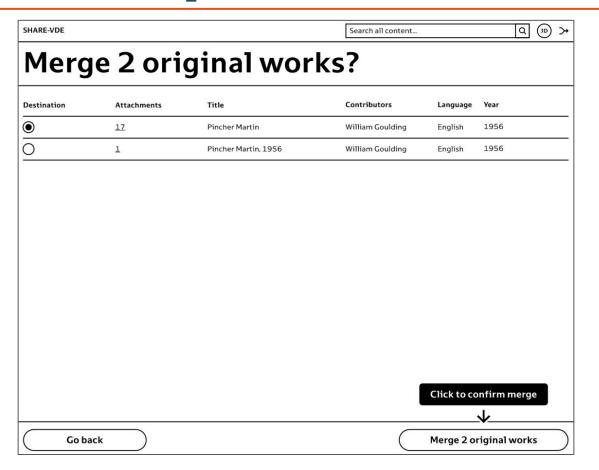




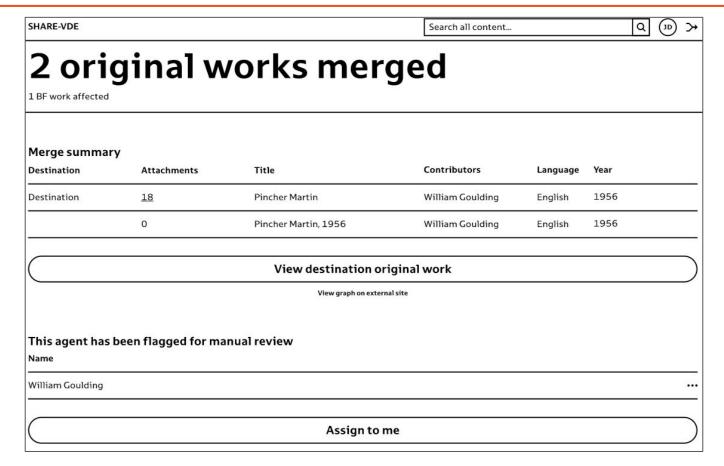








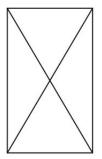






Relationship between existing Instance and new Opus

William Goulding > Lord of the Flies



Original work

Lord of the Flies

Written by William Golding in English

Lord of the Flies is a 1954 novel by Nobel Prize-winning British author William Golding. The book focuses on a group of British boys stranded on an uninhabited island and their disastrous attempt to govern themselves. Themes include the tension between groupthink and individuality, between rational and emotional reactions, and between morality and immorality. — Wikipedia

Book

Book

German

English

ZIKG

Duke

More options ~

Library-hold nublications REworks

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Filter	Location Language All filters			
Publication title	Contributors	Language	Format	Location
☐ Lord of the flies	William Golding	English	Book	UPenn

Polated original works

William Goulding, Brian Doe

William Goulding, Caitlyn Doe



☐ Herr der Fliegen

ord of the flies — study notes



Thank you!

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