

GRIF 2020



SATODEV

SAFETY TOOLS DEVELOPMENT

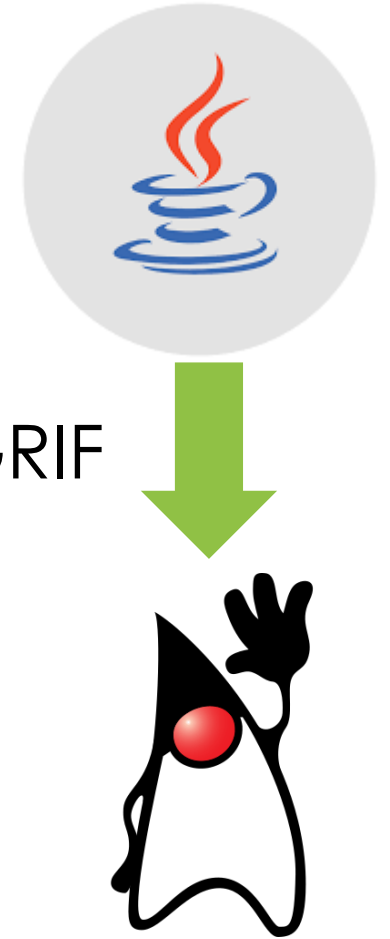
CONTENTS

- Open JRE/JDK 11
- GRIF GUI performance
- Light batch computation
- Clipboard copy button
- Auto completion on all text-fields
- Unit choice for results
- New tree structure for data



OPEN JRE 11

- Before 2019 : Oracle Java = Free for users
- After 2019 : Oracle Java = Pay to use
- Best free alternative is OpenJRE/JDK 11:
 - Customers don't have to pay Oracle for using GRIF
 - Version 11 of Java language
 - Smaller than Oracle JRE8 ($\approx -40\%$)



GUI PERFORMANCE

- Better image management
 - Centralized resizing system (can divide by 10 or 100 the time to open a document with a lot of images in groups of commentaries)
- Better cache for resources (to be improved again in 2020)



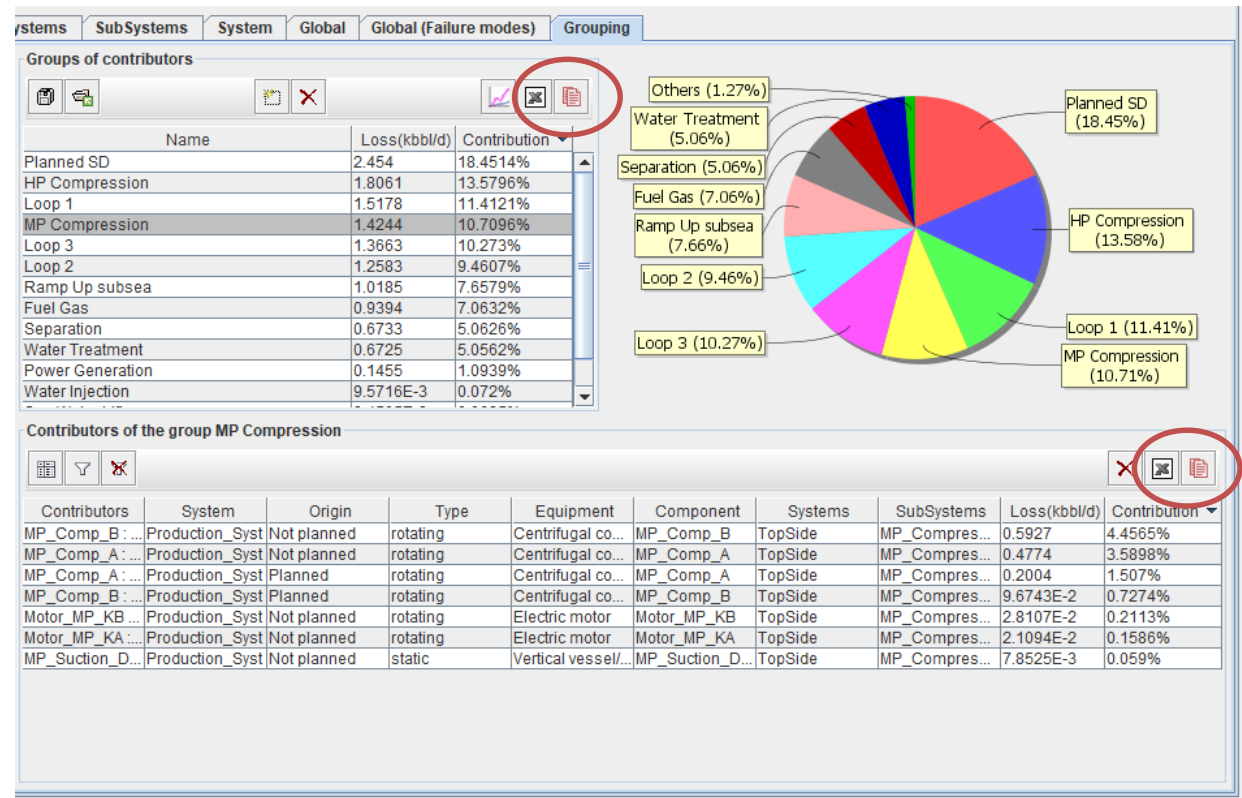
LIGHT BATCH COMPUTATION

- Option to remove “unnecessary” files of each computation of a batch.
 - On big models “unnecessary” files weighted 90% of the computation files
 - SDIS example : 7MB → 200 KB per computation

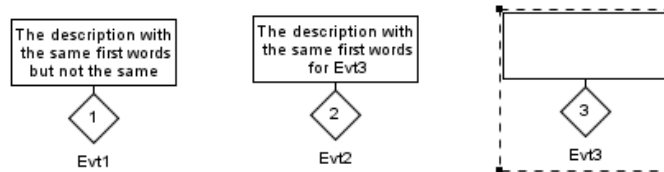


COPY TABLE BUTTONS

- New buttons for several table in GRIF



AUTO-COMPLETION



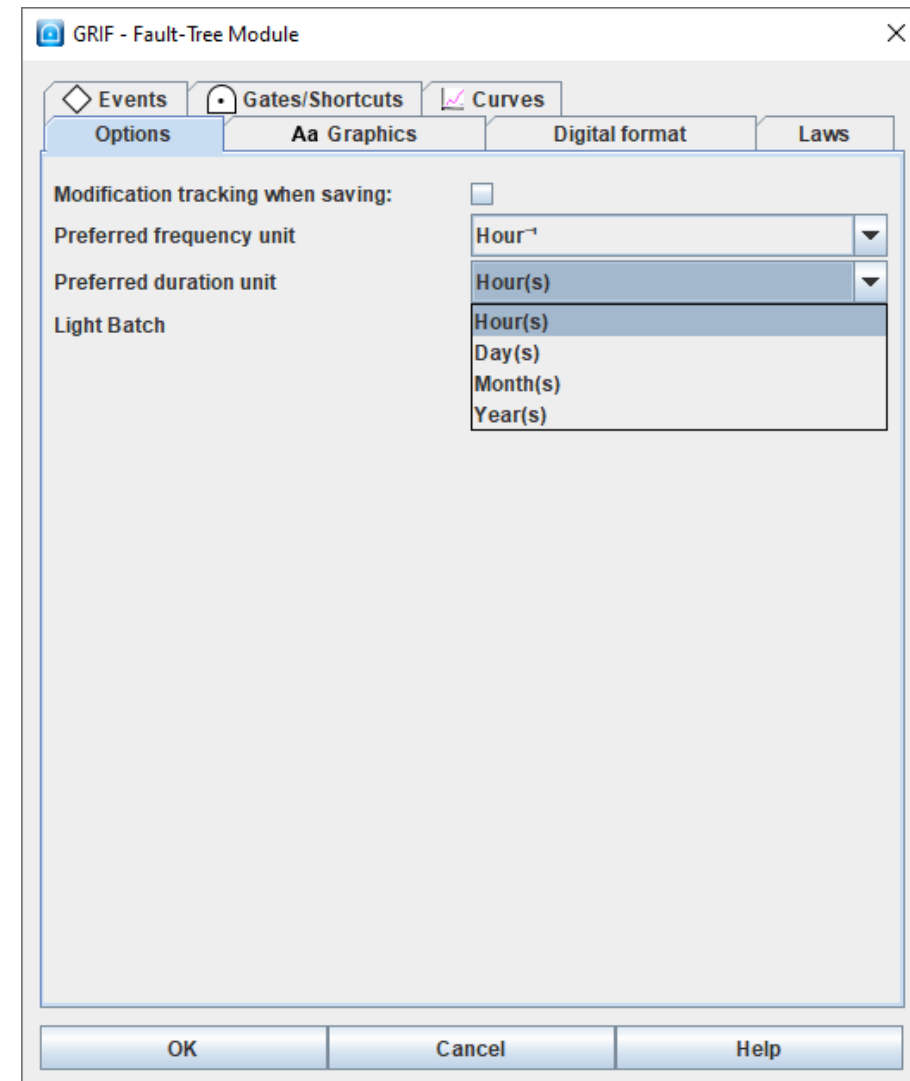
- Available in every module
- “Description” field propose auto-completion based on other “Description” fields
- “Location” field propose auto-completion based on other “Location” fields
- Etc.

The screenshot shows the 'Properties of Events - Evt3' dialog box. The 'Description' field is active, and a list of suggestions is displayed: 'The description with the same first words but not the same end' and 'The description with the same first words for Evt3'. The 'Law' is set to 'EXP / Exponential' and the 'Type' is 'Undeveloped / Elementary event'.



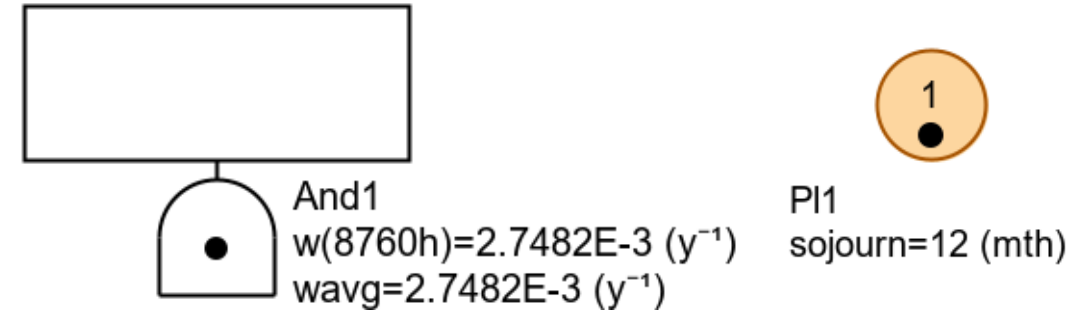
UNIT CHOICE FOR RESULTS

- Units were introduced for input values several years ago.
- V2020 lets you select the units of your results in document option



UNIT CHOICE FOR RESULTS

- Impacted results are :
 - Information under nodes
 - Result column in data tables
 - Result synthesis
 - LOPA table (in Risk)



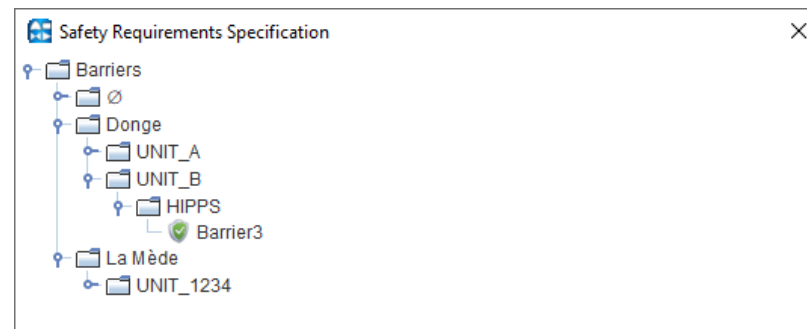
Gates			
Number	Name	Description	Results wavg (y ⁻¹)
1	And1		2.7482E-3

- The detailed results of computation engine are kept in their default unit
- Option is saved in each results (see demo)



NEW TREE STRUCTURE

- Only in Boolean module for SRS for the moment
- New way to display data in a tree structure



THE END 😊



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