



## **FunDoc – Automated Function Documentation**

Franz Lohberger Visu-IT!, June 2010

# FunDoc - Automated Function Documentation Objective

Vision



**Automate** the function documentation process!

# FunDoc - Automated Function Documentation

## Key Features



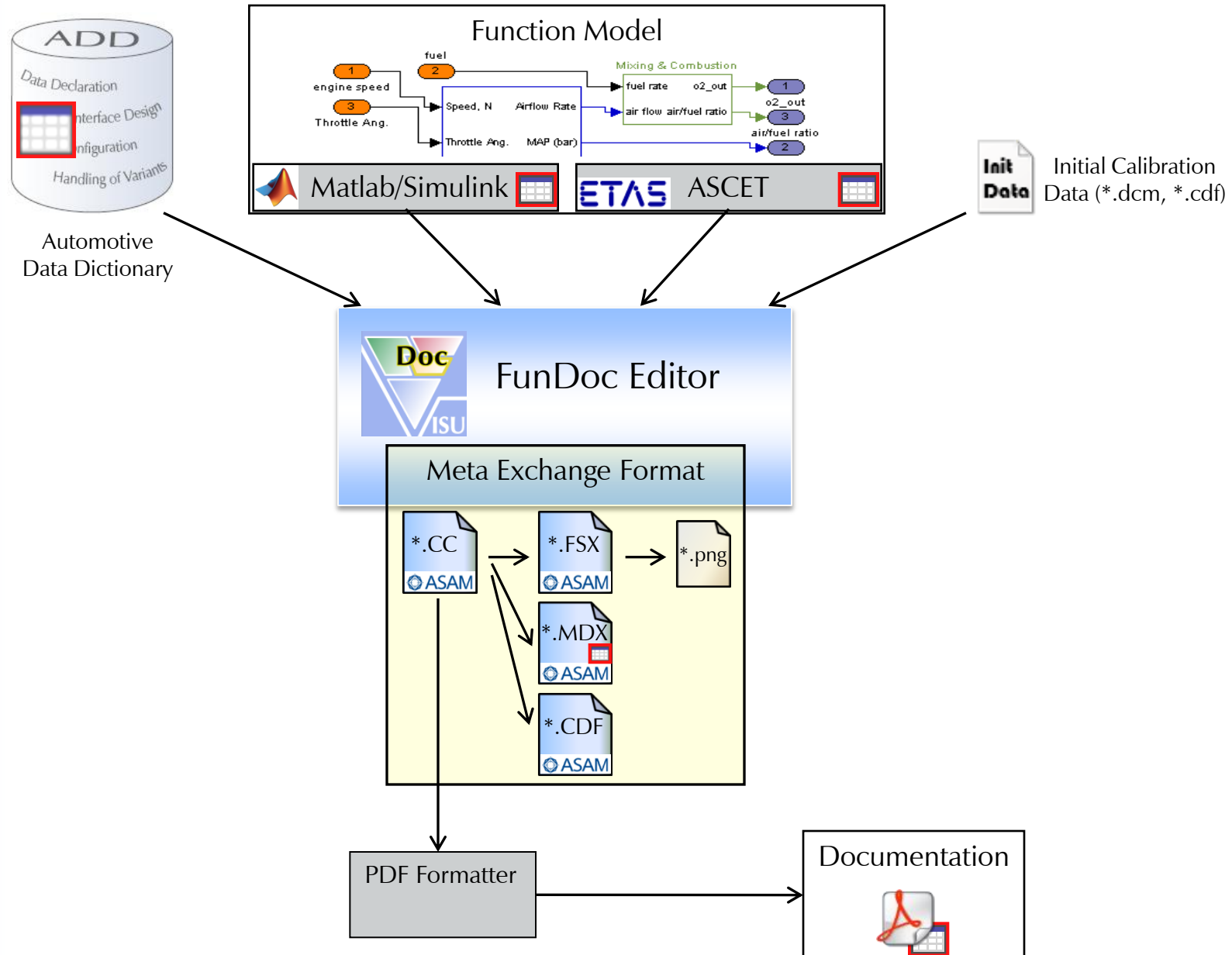
### Key Features:

1. Automated generation of function documentation
  - ✓ Functionality to handle updated function/simulation models
  - ✓ Functionality to handle updated function/simulation interfaces
2. Meta Exchange Formats
  - ✓ Using well accepted ASAM standards (MDX, FSX, CDF, CC)
  - ✓ Independent from documentation formatter
3. Independent from modeling/simulation tool
  - ✓ The current version supports both Matlab/Simulink and Ascet models
4. Modular concept
  - ✓ Suitable for one single function
  - ✓ Suitable for a set of functions (or even all functions)
5. Viewer/Editor with extended features
  - ✓ Preview & partial documentation
  - ✓ Smart viewing:
    - Which labels are used in which diagram?
    - Cross-references
    - Technical terms
    - Etc.



# FunDoc - Automated Function Documentation

## Data Flow



# FunDoc - Automated Function Documentation Demo

## Tool demonstration

How to automatically generate a function documentation?



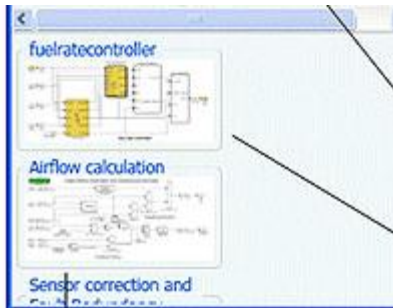
- Create a single function documentation (from Matlab/Simulink)
- Update a documentation
- Create a library/project documentation



# FunDoc - Automated Function Documentation Editor

## Highlights:

1. Model Diff
2. Documentation status: New, Removed, Changed, Unchanged
3. Preview & Partial documentation
4. Context sensitive label access and technical terms
5. Cross reference lists & **Visual Model Viewer**
6. Data Explorer



**Thank you for your attention!**



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