

# FMV - FRAM Model Visualiser

Rees Hill - June 2023

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# FMV History

**2014** - Hollnagel, Erik.

"My intention has always been to have the basic tools as open source, but then to build commercial extensions such as a simulation package (running the instantiations, so to speak) and some kind of 'calculation of variability' package. An other possibility is a dynamic simulation."

**2014** - FMV version 0.1 (to 0.4) Adobe Flash Builder

Reinvented the FMB - FRAM Model Builder, adding visualisation.

The basic tools for building and visualising FRAM models

# FMV History

**2014** - Hollnagel, Erik.

"First a simple track-and-playback option, a step-by-step analysis of an instantiation, using the FMV graphics as a reference.

Second some kind of FRAM Model Interpreter (FMI)"

**2018** - FMV version 1.0 (to 1.5) Desktop with embedded runtime

Supported multiple free versions for Mac, Windows and Ubuntu.

Included the manual track-and-playback option for instantiations

# FMV History

**2019** - FMV version 2.0 (to 2.2)

Pro (paid) version released to support ongoing software maintenance

**2020** - Hollnagel, Erik. First FMI program is released (FMI basic V3)

FMI basic is incorporated into FMV version 2.1

Experimental functionality added with Metadata and equations

**2021** - FMV Web - Blazor WebAssembly application

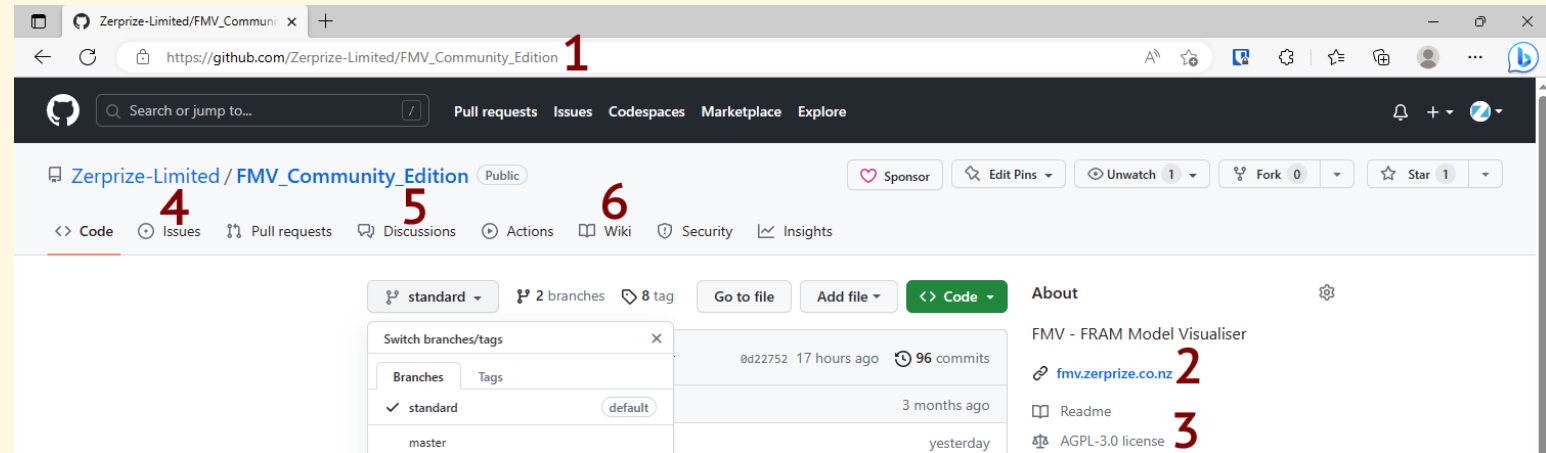
Explore replacement future-proof programming environment

# 2023 Today!

## FMV - FRAM Model Visualiser Version 3.0

- Blazor confirmed for future development of FMV
- Available free including FMI Basic and other formatting features previously only available in the paid Pro version
- Code is open source and available on GitHub:  
[github.com/Zerprize-Limited/FMV\\_Community\\_Edition](https://github.com/Zerprize-Limited/FMV_Community_Edition)
- Open to all for further development and extension using free and open source development resources

# Resources



1. Source Code: [github.com/Zerprize-Limited/FMV\\_Community\\_Edition](https://github.com/Zerprize-Limited/FMV_Community_Edition)
2. Application: [fmv.zerprize.co.nz](https://fmv.zerprize.co.nz)
3. Software License: [.../FMV\\_Community\\_Edition/LICENSE](https://github.com/Zerprize-Limited/FMV_Community_Edition/LICENSE)
4. Issues and Requests: [.../FMV\\_Community\\_Edition/issues](https://github.com/Zerprize-Limited/FMV_Community_Edition/issues)
5. Discussions: [.../FMV\\_Community\\_Edition/discussions](https://github.com/Zerprize-Limited/FMV_Community_Edition/discussions)
6. Documents and Instructions: [.../FMV\\_Community\\_Edition/wiki](https://github.com/Zerprize-Limited/FMV_Community_Edition/wiki)