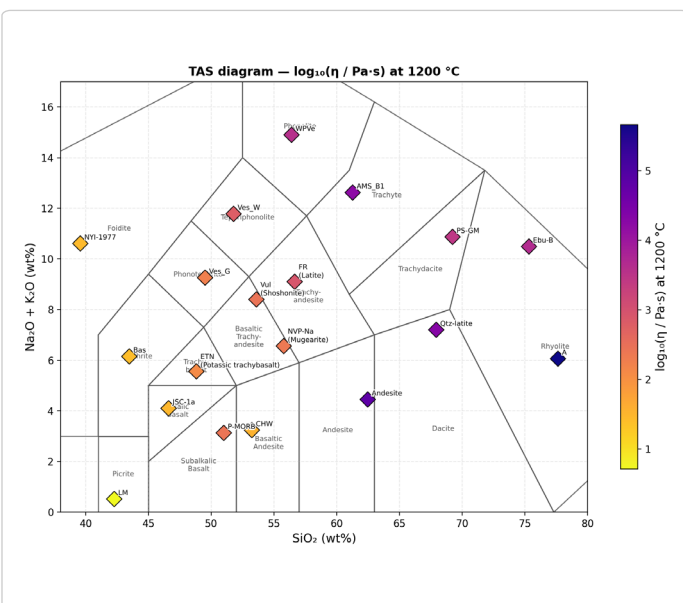


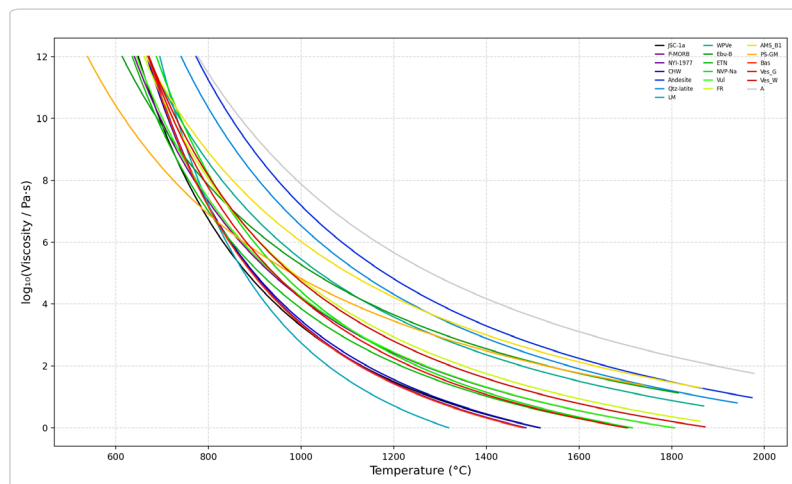
## 1. TAS Diagram

Coloured by viscosity at 1200 °C



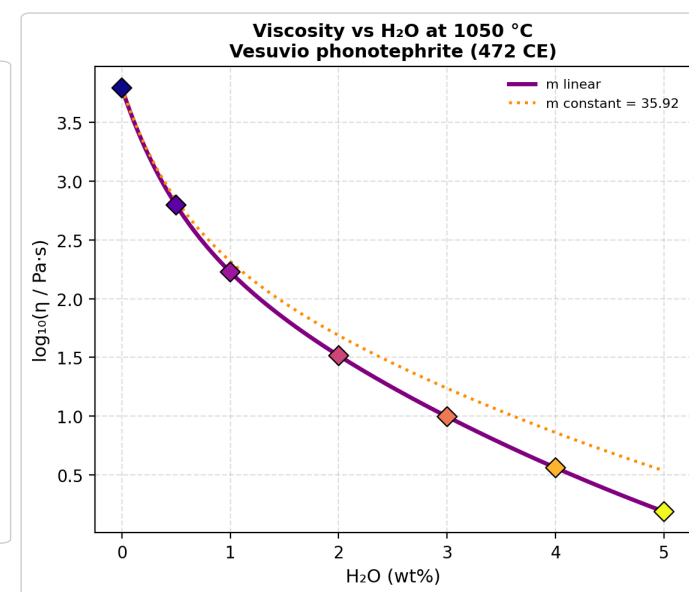
## 2. Viscosity Curves

MYEGA fits: multi-sample



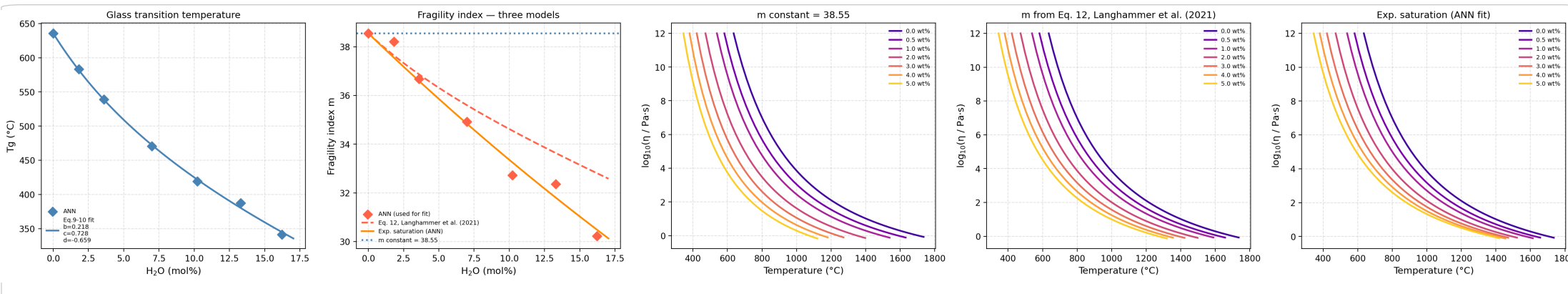
## 3. Published Models

$T_g$ , fragility & viscosity vs  $\text{H}_2\text{O}$



## 4. Hydrus Modelling

$T_g$ , fragility & viscosity vs  $\text{H}_2\text{O}$



### Key features

- ANN model (Langhammer et al. 2022) for any silicate melt
- Hydrus modelling:  $T_g$ ,  $m$ , viscosity vs  $\text{H}_2\text{O}$
- Specific composition models from recent literature
- Publication-ready figures and output

### How to use

1. Open the app in any browser (no installation needed)
2. Upload a CSV with sample compositions (wt% oxides)
3. Click Calculate: get viscosity curves and TAS diagram
4. Download results as Excel or PNG

### Citation

Di Genova, D. (2026). MELVIS — MELt VIScosity: a volcanic melt viscosity platform. Zenodo. doi:10.5281/zenodo.19945909