Kinds of model documentation

- Formulation: Describes the theory that constitutes the model.
    - What is encoded in the model?
    - How is this derived from a more general theory?
    - Equations and discretization methods

- Implementation: Describes the practical realization of the model
    - Model components and the related programming units: modules and routines, input and output variables, configuration parameters
    - Flow chart / calling graph
    - External data: if needed, units, formatting, where are the files

- Performance: How well does the model work
    - Biases and scores for specific experiments, in comparison to theoretical solutions, observations, analyses, or other models.
    - Numerical performance for specific experiments and technical setups.

- User manual: From the code to the experiments
    - Where to find the model code and scripts
    - How to compile the model on the main machines at DKRZ
    - Hot to make experiments

- Tutorials: Documentation made for training courses
    - Details depend on the goal of the course
    - For getting started on the base of selected experiments
    - Typically includes aspects of formulation, implementation and user manual