Source code documentation template

Erica Snider Fermilab

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The objective

- To the extent reasonably possible
 - Make the code self describing for people interested in
 - Using it
 - Maintaining it
 - Understanding a result
- Requires that
 - It is easy to find
 - Contains the key points for those audiences
 - The burden on the developer is low



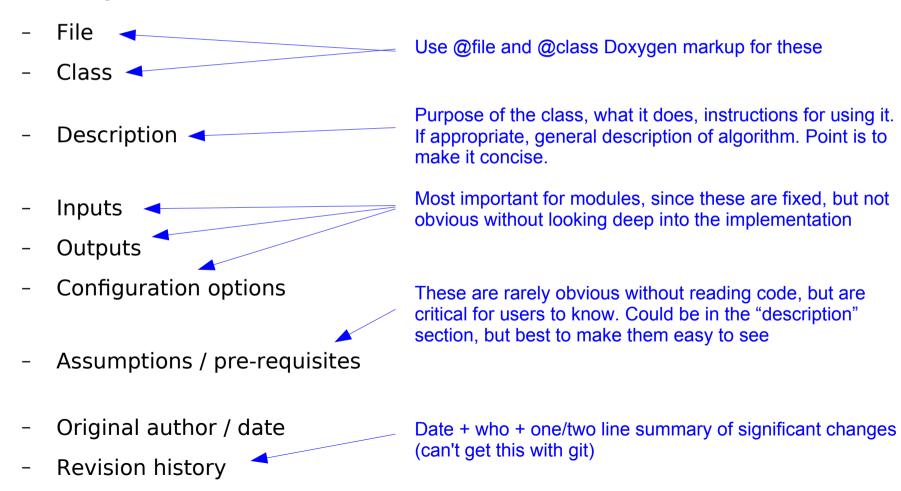
The strategy

- Choose the following guidelines
 - Target all levels of the code
 - Have brief comments at the top of header files, module / service cc files
 - Adopt more-or-less standard format for
 - Provide only the most important, high-level information required
 - Construct such that they are associated correctly in Doxygen



The proposal

In every header file, module, and service file, include:





The proposal

- In every header file, module, and service file, include:
 - File

- Class The goal is to allow someone to use the code, so only need to write as much as needed for that

- Detailed description of methods should be included with the method prototype in the class definition
- Inputs
 - Outputs Detailed comments on the implementation should be embedded in the code
- Configuration options
- Assumptions / pre-requisites
- Original author / date
- Revision history



The end