Agile discussion group (second session)

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What is Agile?

- Iterative process to define the final product
- Multi-physics packages need all the little pieces
- Infrastructure and small test gives flexibility through modularity
- Small stories make it easier to develop test
- Simplifications of problem provide test cases
- Agile manifesto – focus on making the software less on documentation

Agile's challenges

- Not easy to know the answer for complex problems

- No Oracle for integrated test

Drivers towards Agile

- Fits well with scientific software development
- New developers demanding process

Requirements for process

- Needs to be flexible
- Must support community driven priorities
- Community provides data (climate)
- Electronic health care records

Typical end users

- Scientists
- Financial people (Excel)

How would you apply Agile to Electronic Health Care Records

- Avoid bloated government system

- Pick off small part and get it implemented and adopted

- Need chief architect to worry about long term design issues

- Draw the line – don't say yes to everything

- Need to remember burden to end-user