Key Research Areas
Wm. A. Wulf

- Cyber Security [beyond perimeter defense]
- Digital Storage Media that last
- Engineering of Complex Systems
- Research on Collaboration itself!
- Some good old “unsolved” problems
  - education, cognition, language translation, …
• Sara Keisler: *any* collaboration is hard!
• US “Attitudes” is making it worse – visas, “deemed exports”, language skills,…
1. Do research on collaboration
   • Feed the results to practice and tools
   • The “collaboratory” story
2. The need for long-term commitment “from the top”