Ideals

• Integration with mainstream is essential
  – Share languages, tools, and techniques
  – No I’m not saying that it’s easy
• Programming must be made easier
  – Higher level constructs
    • Not just arrays
  – Abstraction
• Portability must be made easy
  – Machine architectures change
• Scalability
  – Size of machine
  – Size of user population
  – Most ideas don’t scale
• Production quality
  – Support
  – Trust
  – Takes years
  – Takes resources