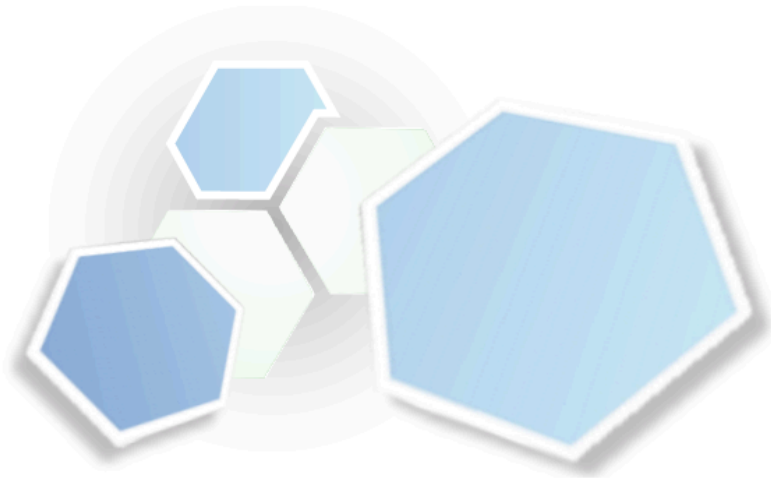
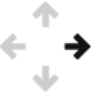




# Boost Library Incubator



[www.blincubator.com](http://www.blincubator.com)

Robert Ramey

[www.rrsd.com](http://www.rrsd.com)

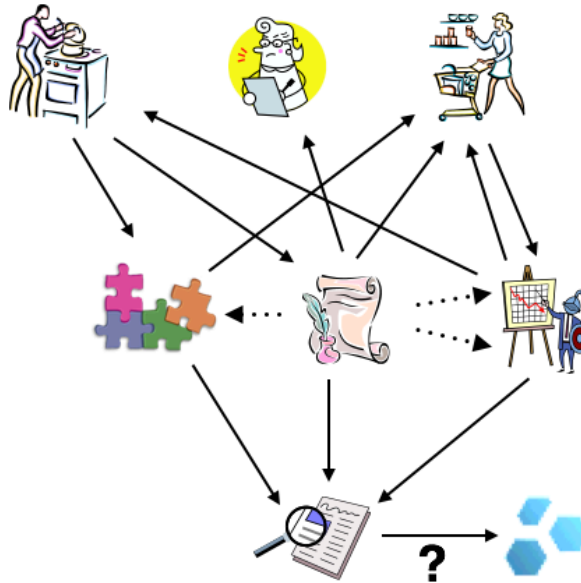


# **C++ Needs more good libraries**



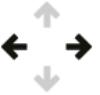
- Need more quality submissions
  - It's a huge amount of work to write a Boost Library
  - Library documentation is not nearly good enough
- Need better reviews
  - Libraries are in the review queue for ages
  - It's hard to find review managers
  - Libraries don't get enough reviews
- Deployment
  - Boost is getting larger and harder to manage and deploy
  - Some libraries are left without a maintainer
  - Some libraries become obsolete and there is no way to deprecate them






# Workflow



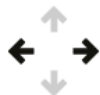




# Supporting Library Authors



- Clear guidelines about what is required 
- Library Submission 
- Advice 
- Simple tools 
- Feedback on library development to motivate authors 
  - Comments and encouragement from users
  - Test results from a variety of platform
  - Reviews before during and after formal review
  - Up to date statistics on library interest

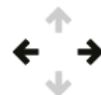
# Supporting Users



- Central place to find all information about a library 
- Central place to find all “extra” information
  - Tips and Tricks
  - Bugs
  - Known Gotchas
  - Documentation enhancements
  - Other users reviews, complaints and ratings
- Permit reviews outside of formal review period
- Permanent log of all of the above 



# Supporting Review Managers



- Delay review while the library has
  - no users
  - lots of complaints and/or bugs
  - no documentation
  - bad reviews
  - no reviews
- Make the review process easier
  - Should start with some number of reviews already done



- More library submissions
    - better/simpler tools, modularized boost
    - comments, "pre-reviews", download statistics give authors incentive to "keep going"
    - testing dashboard and user comments help in development
    - author/user feedback loop draws users into the development process
  - Improved review process
    - More good reviews by permitting "pre-reviews"
    - Feedback from users (or lack thereof) drives review queue priority
    - Easier review of library history
-





# Deployment



Current Boost - Distributes a monolythic collection of libraries.

- "Top Down" - driven by reviews
- Libraries tightly coupled
- "Carefully planned"
- One complete deployment managed by boost

Future Boost - looser collection libraries and certifies library quality

- "Bottom up" - driven by user demand
- Libraries more loosly coupled
- "No planning whatsoever"
- Encourage special purpose deployments by third parties



# About this Website



- Built with Wordpress
- Plus nine Wordpress "plug-ins"
- Plus approximately 1000 lines of php code in 7 files
- Pages built with DocBook and converted to html via xslt
- Maintains compatibility with current Boost practices
- Complements Boost Modularization with GitHub to move Boost to the 21st century social media/interactive model for creative and collaborative development

I volunteer be review manager for the first library which get's 10 reviews on this website.



# Special Recognition



Vladimir Prus

Boost Build



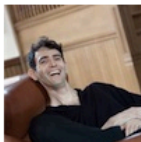
Rene Rivera

Website and Testing infrastructure



Beman Dawes

Founder, Git transition and who know what else



David  
Abrahams

All of the above and more