

Cross-platform C++ with Qt and Boost

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Nokia, Qt Development Frameworks

Qt

pronounced “cute”

Will Qt use Boost?

How about Boost.Qt?

Motivation





<http://alenacpp.blogspot.com/2009/06/c.html>
<http://fearlesscoder.blogspot.com>

KDE uses Boost

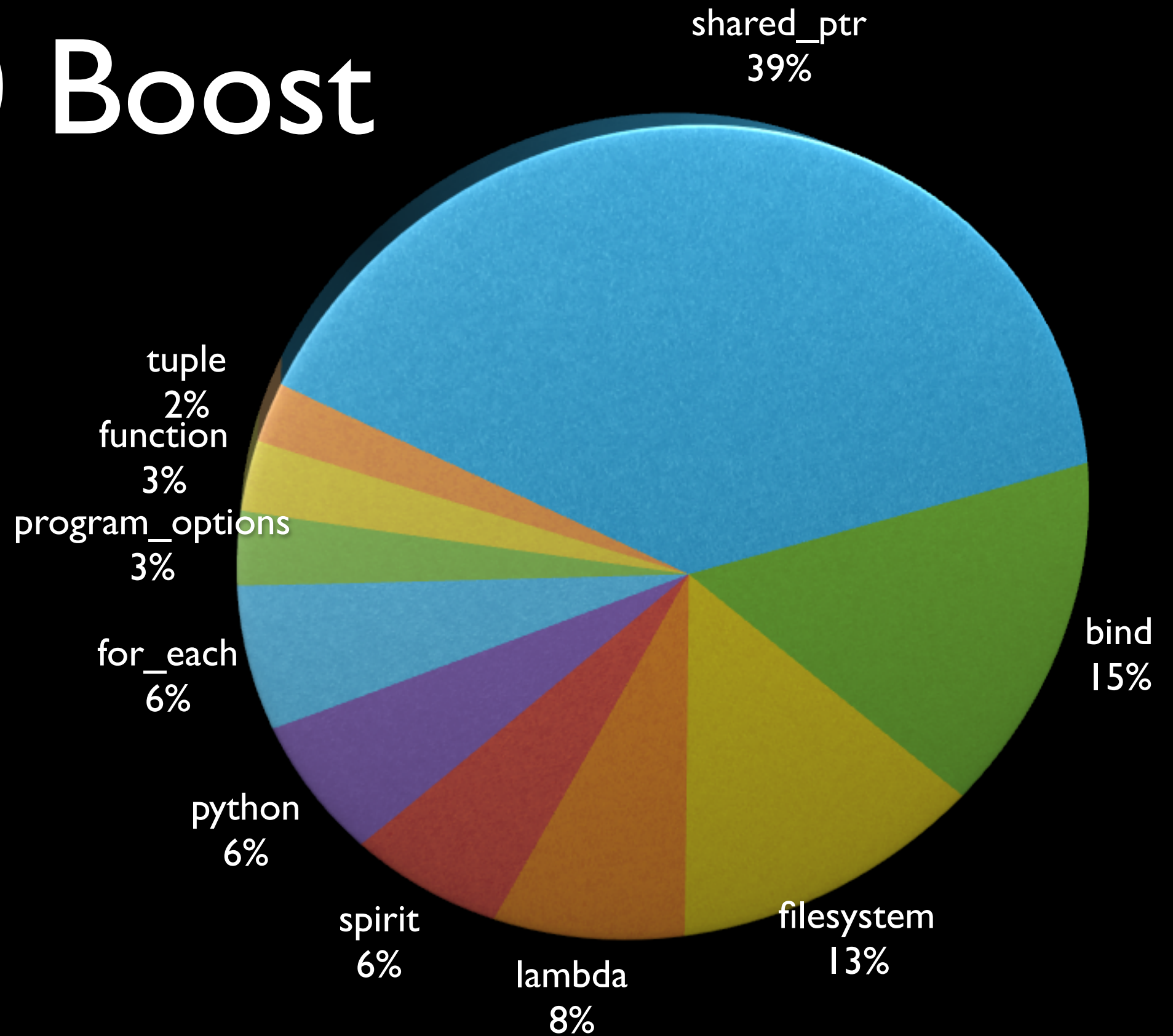
Boost & Qt

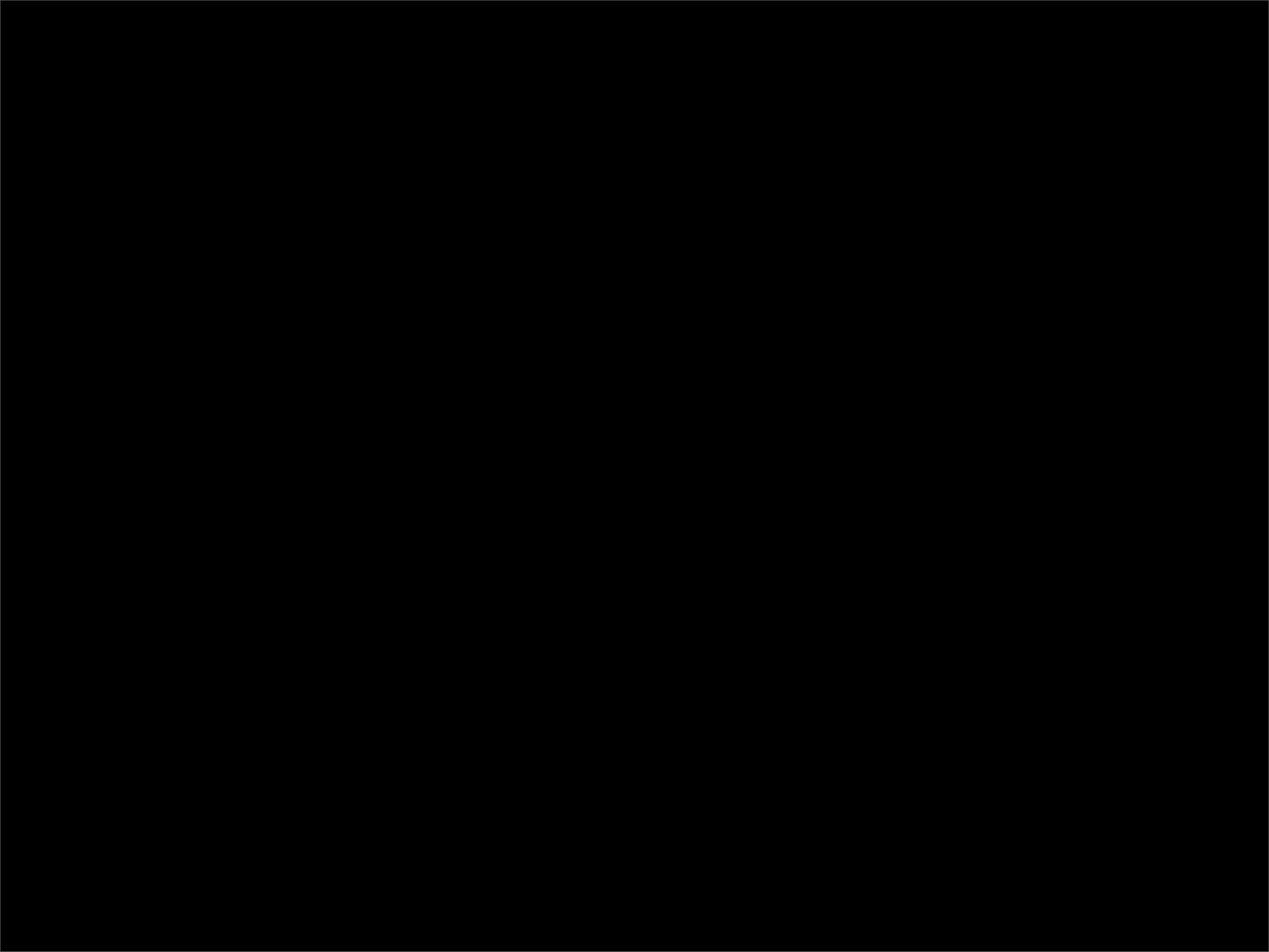
```
#\s*include\s\s*<boost/
```

```
#\s*include\s\s*<Q[A-Z]
```

BOGUS DATA ALERT!

Top 10 Boost





What is Qt?

qt.nokia.com

Development

<http://qt.gitorious.org>

<http://bugreports.qt.nokia.com>

<http://qt.nokia.com/developer/qt-roadmap>

<http://labs.trolltech.com/blogs>

<http://qt-labs.jp>

Qt SDK

Class library

Core	XML
GUI	Multimedia
WebKit	Database
Graphic View	Network
Scripting	Unit Tests
OpenGL	Benchmarking

Development tools

Cross-platform IDE - Qt Creator

GUI Designer

Help System

I18n Tools

Build Tool

Cross-platform support

Windows

Mac OS X

Linux/X11

Embedded Linux

Win CE/Mobile

Maemo

Symbian

Flexible Licensing

GPL, LGPL, Commercial

Qt Services

Support, Training, Consulting

Qt Mobility

- Bearer Management
- Contacts
- Location
- Messaging
- Publish and Subscribe
- Sensors
- Service Framework
- System Information
- Versit

How is Qt different?

Binary Compatibility

Qt for Boost users

- GUI
- Mobility
- Text handling
- Database
- Web Integration
- Scripting
- Unicode
- Internationalization & Translation
- Resource System
- XML, XPath, XQuery

Overlap with Boost

- Asio
- Date Time
- Filesystem, I/O & I/O streams
- For Each
- Signals & Slots
- Hashes and Unordered containers
- Interprocess
- Serialization
- SmartPtr
- State Machines
- String Algorithms
- Test
- Thread
- Type Traits

QObject & MOC

Signals & Slots

Threads & Event Loops

Containers & Implicit Sharing

Designing User Interfaces with Qt

Widgets & Designer

The Graphics View Framework

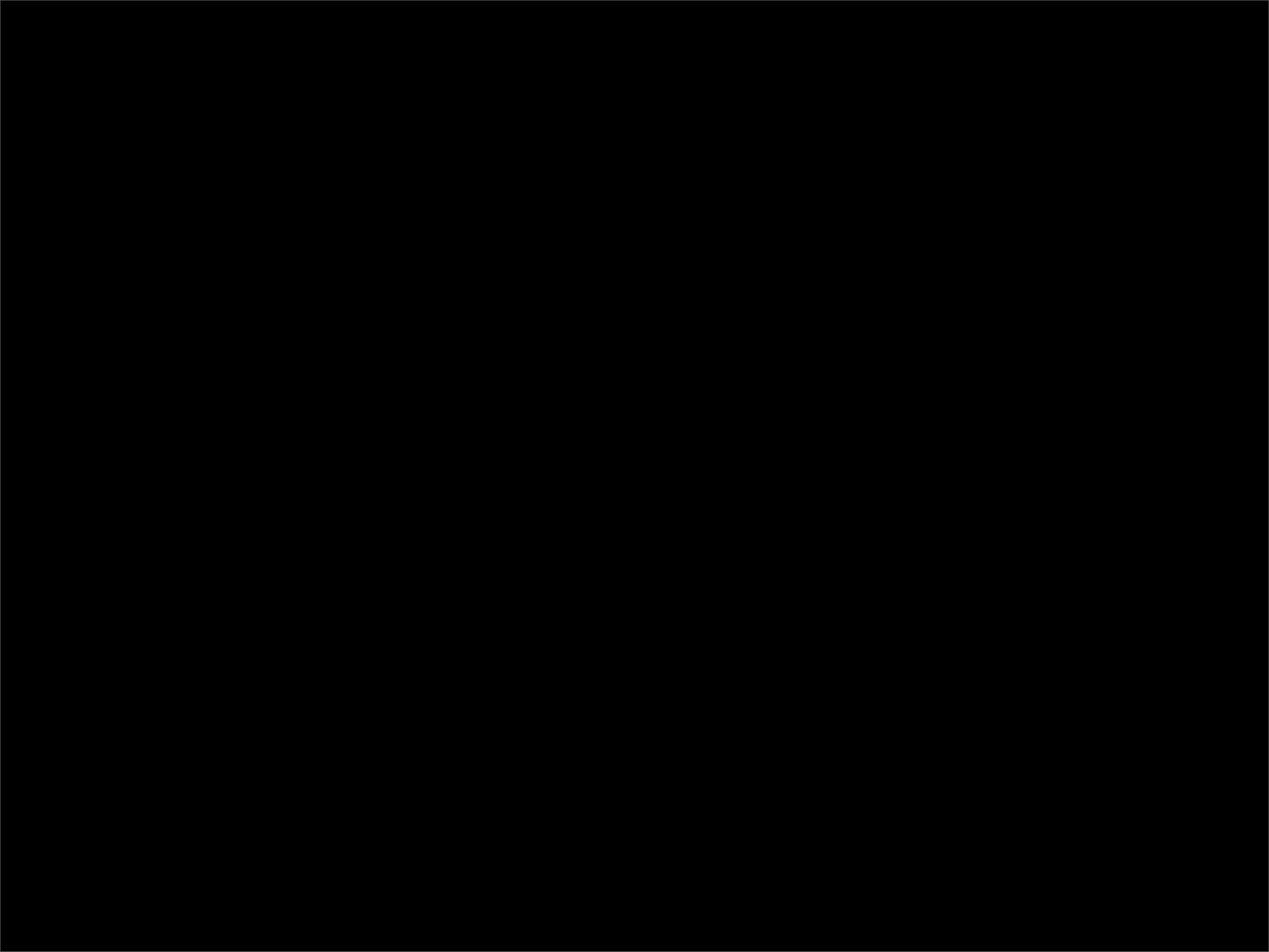
Qt Quick

Both Boost & Qt

<http://gitorious.org/bbq>

Ideas

- Boost.Serialization of Qt's containers and classes
- Interoperability with QDataStream
- <Your idea here>



Wacky

- Boost SDK :-)
- Spirit::FengShui



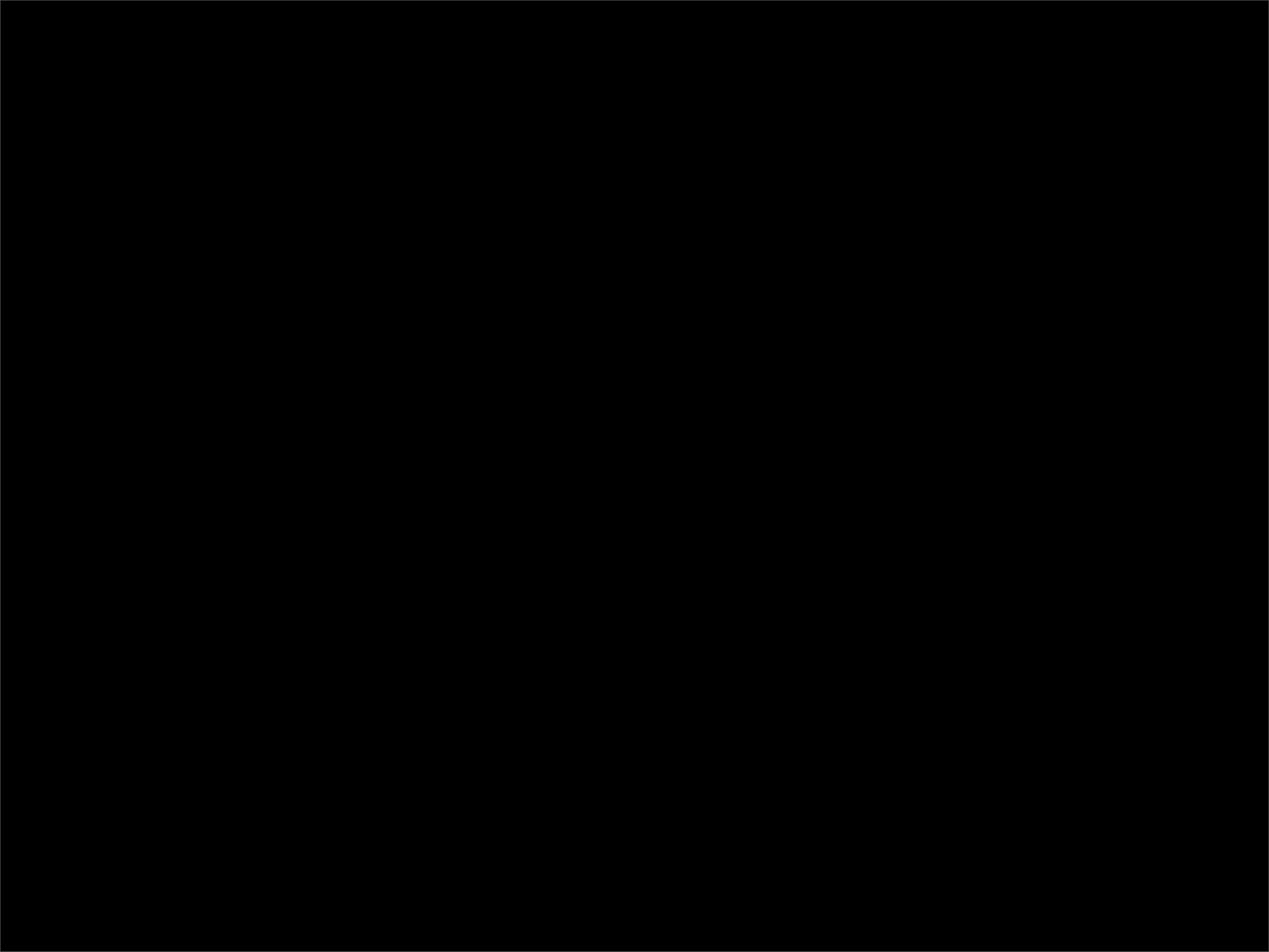
Munich: October 11-13
San Francisco: November 1-3

Thanks for listening!

biochimia

twitter

#qt-labs #boost



You have joined the channel #gcc

<Gof> I think I found a g++ bug: <http://pastebin.com/NgecefwE>

<noshadow> Gof: It might help to make that a more minimal example.
That uses Qt templates and those are not actually known to be written
by people understanding C++.