



GLASGOW ATLAS SOFTWARE WORKSHOP - FINAL WORDS

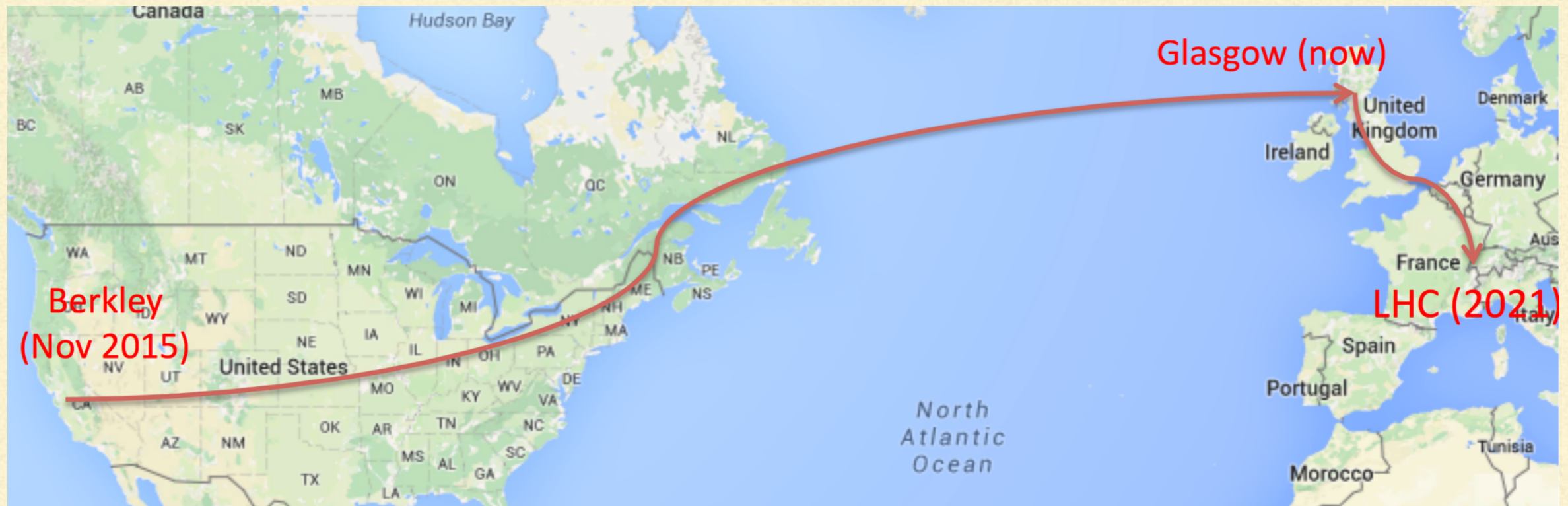
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ON THE ROAD...



- Walter's map from Monday

LOCAL GUIDE

- We visited a lot of places this week
- Generally the food was good, the company pleasant and the atmosphere convivial
- But of course, we are far from finished!



CORE SOFTWARE AND TRIGGER

- Re-entrant should be the goal for new code
 - The framework supports thread safety by design, so our goal should be that any competent code can write a re-entrant algorithm
- Many old patterns are deprecated
 - Sami provided a way to migrate incidents to the new framework, but still we want to get away from them as much as possible
- Conditions is probably harder to solve than incidents — they are a core part of what we do
 - Hackathon made progress on how to tackle this
- EventViews implementation
 - Big decisions on dynamic vs. static views
 - Personally, dynamic views look horribly complicated to do generically
 - No other experiment seems to need them

ALGORITHMIC CODE

- Software review is progressing (albeit slowly)
 - Re-learn the code, push awareness of AthenaMT
- People are really starting to migrate algorithms now
 - Uncovering all kinds of interesting cases we might not have foreseen
 - Great! Feeds back into the framework design
- Simulation makes excellent progress
 - Multi-threaded simulation looks to be almost home — memory scaling is so great we almost look lightweight for once!
- Digitisation continues to look hard
 - Memory and i/o are not areas in which we look rich...

QUALITY AND INFRASTRUCTURE

- ARM port is a huge deal
 - Always something that was supposed to be ‘not so hard’, but finally we did it
- CMake has been born and is unlocking many other improvements
 - Need to broaden our expertise
- Jenkins is coming — should pay off handsomely
- Software Quality is really important and awareness is much higher now
 - Tools are great, but people need a roadmap too
 - Training, documentation and good examples
- git will be a big deal
 - Not a change of tool, a *change of culture*

HACKATRONS*

- I got a strong sense of useful discussions
- But more importantly, useful work!



THANKS!

- Valerie for helping sort out all the money and finding The Bothy for us
- Jon and Colin for helping get a network setup that worked well
- You all for coming and making the week so productive and fun
 - Particular thanks to our non-ATLAS colleagues (we'll be in touch!)
- We visited a lot of places, in body and in spirit
 - Was it *braw* for you too?
- So haste ye back!





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5 Sgl Glengoyne18 @ 7
2 Sgl Smokehead @ 3.4
2 Sgl Old Pulteney @
5 Sgl Oban 14y @ 4.80
2 Sgl Glenfddch12y @
4 Sgl Talisker 10y @
1 Sgl Balvnie Db1wd
1 Sgl BowmorDark15
2 Sgl Auchen 3Wood @
1 Sgl Jura Superst
1 Sgl Jura 16yo
  
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