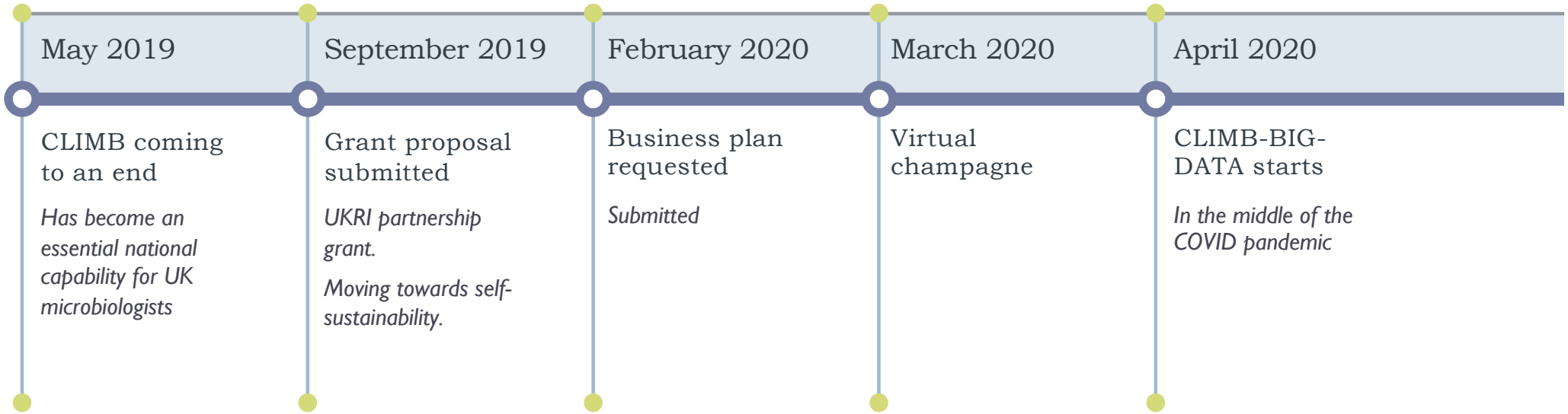
# MRC CLIMB (2013-2020)

## Cloud Infrastructure for Microbial Bioinformatics

- >900 users | >300 groups | > 85 institutions
- >4,500 Virtual Machines fired up
- >170 papers | £50M in funded projects
- >40 events | >1,500 people trained
- >38,000 views for 19 tutorials on Discourse
- HPCwire Readers' Choice Awards
  - Best use of HPC in Life Science
  - Best HPC Collaboration
- https://tinyurl.com/climb-movie

# CLIMB-BIG-DATA

## 5-year £2m MRC Partnership Grant



## Community Engagement

Workshops

Symposia

Training

Hackathons

Software Curation

## Infrastructure

Graphics processing units
Enhanced storage

Cloud-computing Infrastructure

CLIMB BIG DATA

*Bacteria, Viruses,*
*Parasites, Fungi*
*Genomes, Metagenomes*

## Tools and Integration

Containers

Integration with external facilities

Software and data

Cloud Migration

Support for public health microbiology

**Vibrant interdisciplinary team with proven track record**

Stable, resilient environment

Quadram Institute

University of Birmingham

Cardiff University

Swansea University

MRC Unit The Gambia

Warwick

Strategic Relevance
Sustainability
Expansion

LISA
MARCHIORETTO

# CLIMB BIG DATA

## Admin & Finance

Partnership

Team built!

Routine admin

Self-sustainability

## Users

Updated Ts&Cs

Database

Licencing system

Primary Users

Every 3 months

## Infrastructure

Current usage

Expansion

Cardiff

Birmingham

QIB

## Security

Service updates

## Training

Online

Beginners

Artic workflow

Hackathon

ARTICnetwork and CLIMB-BIG-DATA
joint workshop on COVID-19 data analysis

## COG-UK

COG UK
COVID-19 GENOMICS UK CONSORTIUM

HPC wire READERS' CHOICE 2020 AWARDS

Best HPC collaboration
(Academia, Government, Industry)