ROADMAP (DAY 1 & 2)

VirtualBox

Docker

Conda

containerisation

virtualisation — isolation

env modification

apt

repo's

PPA

Nvidia driver

GPU / ML

Guppy

Dorado

"DLL Hell"

interop
reuse
stability
reproducible

trade-off

system vs user

sudo

START HERE

Run QC

Basecall & Demux

Fast5 — POD5

FastQ

models

fast HA SUP (methylation) etc.

∝ flowcell & chemistry

Installation Do's & Don'ts

ALWAYS apt first

clone — GitHub

fork/ PR

Nanopore COOKBOOK

Reads QC

clean? — pass/fail

Assembly — Flye

NO

+

Medaka

issue reporting

how to ask — user stories

LPF Pathogen Finder

Local

= 1° AMR

= offline = CGE tools

genome

Any "Standard" Tools

Assembly QC — Quast

Kmer   Res Virulence

Plasmid

MultiQC

ccphylo

FastANI SANS (later)

phylo placement

track outbreak (MOSS)

+ short reads?
= Hybrid Assembly — Polypolish

TryCycler
UniCycler