Agenda

- 10:00 Welcome & ACIT-Hub intro
- 10:15 Learning Journeys
  - Building Sustainable HPC Infrastructure
    Andy Richards (Imperial College London)
  - Upgrading the ARC Storage Infrastructure
    Greg Tourte (Univeristy of Oxford)
  - STEP-UP: Building and supporting dRTP Training Networks
    Jeremy Cohen (Imperial College London)
  - Developing a training grid for dRTPs
    Mike Bearpark (Imperial College London)
- 11:10 Discussions
  Training Topics
- 12:30 Lunch
- 13:30 Discussions Cont
- 14:00 ACIT Hub Training and CPD
- 14:10 Discussions
  CPD and Training Formats
- 15:45 Closing thoughts
- 16:00 Close

UNIVERSITY OF SURREY

ACIT Hub

TRAINING & CPD

Helen Cooper

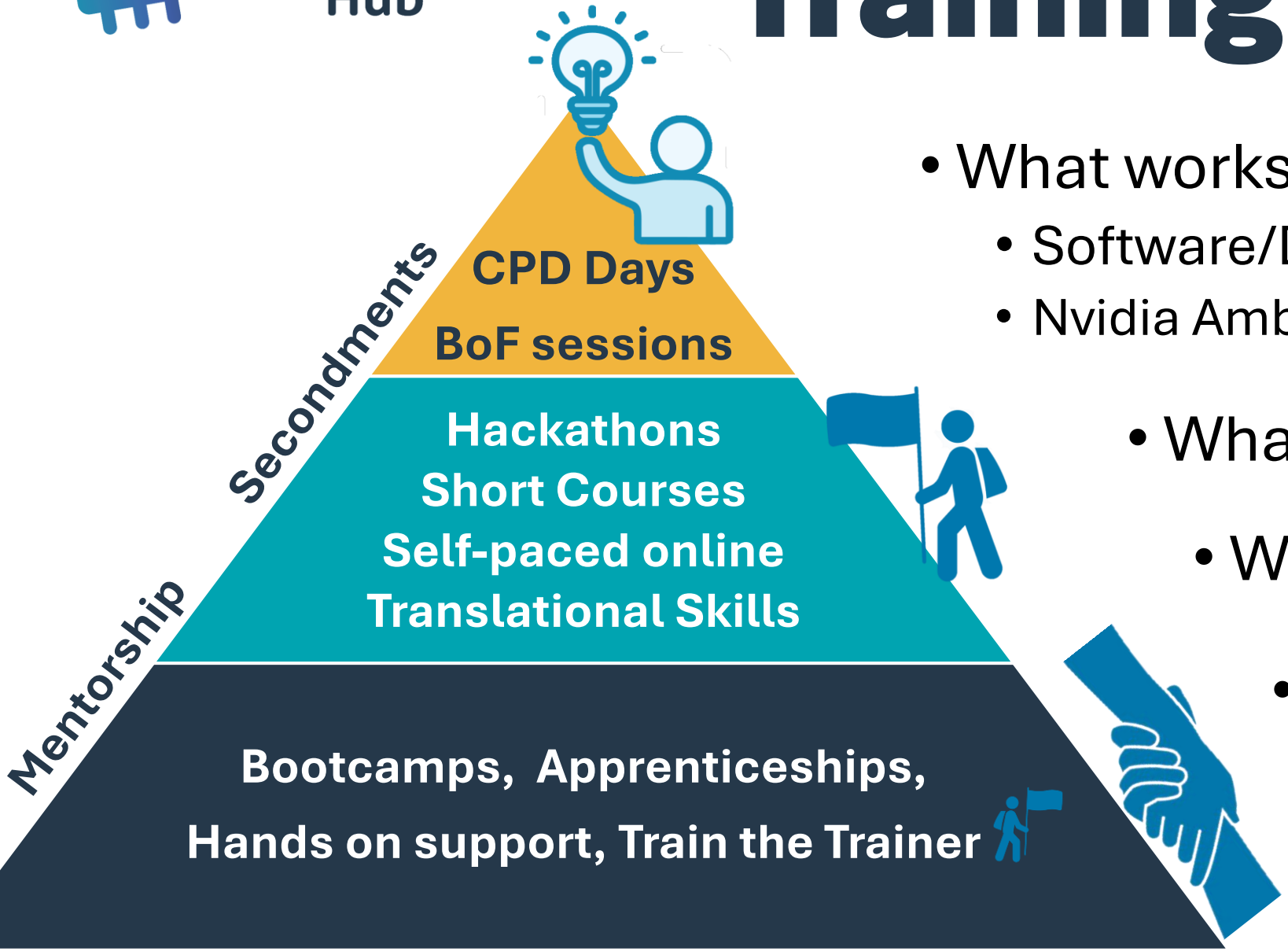
Thursday 3rd July 2025

Sheffield CoDesign Day

UK Research and Innovation

Engineering and Physical Sciences Research Council

Training



- What works that we can imitate?
  - Software/Data Carpentry?
  - Nvidia Ambassador scheme?
- What are we missing?
- What do you need?
- What do you want?

Accessibility

Pre-requisites

Timings

Locations

In Person/
Hybrid/Virtual

Online/self paced

Cost

Book vs hands-on

Accreditation

- Different levels
  - Short courses – e.g Tech10
  - Longer format – e.g Apprenticeships levels 3 or 7
- Requirements
  - Regular content review
  - Industry stakeholder involvement
  - Skilled trainers
  - Professional and employable skills
  - Promotes accessibility, inclusion and diversity
  - Range of learning techniques
- Enables industry alignment and mobility

Secondments

- Interested in non-traditional options
- Imperial's HPC/RTP experience programme
- Long thin option
  - Less burden on teams
  - Better for hybrid working
  - Structure round workloads
- Reciprocal
- Academia ⇔ Academia
- Industry ⇔ Academia

Mentoring

- Take up often low – why?
- Don’t know what’s involved
  - Define the expected commitment
- Don’t know if the relationship will work
  - Prospective Mentee/Mentor events
- Worried about seniority gap/“Imposter syndrome”
  - Peer-mentoring
- Wrong career stage
  - Reverse mentoring

Translational Skills

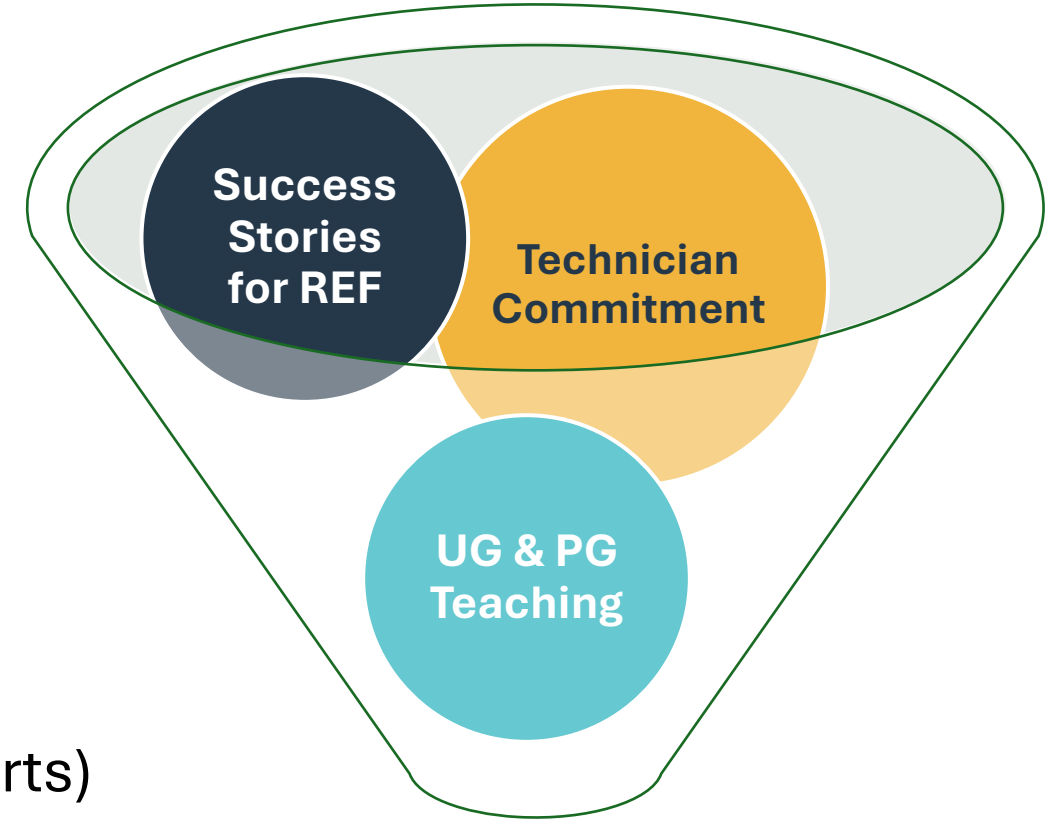
- **Technology is only as strong as the team maintaining it**
- Tie into existing skills programs
  - University training
  - Technician's Commitment
  - Institute of Technical Skills Strategy (ITSS)
- Technical Project Management
- Sustainability
- Mentoring/Coaching
- Teaching/Training

Career Paths

- Understand the existing career paths
  - Where do RIE's come from?
  - How do they get there?
  - Why do they stay?
  - What are the barriers to them advancing?
  - Which universities have good existing career paths?
- Develop good practice examples
- Tie into Technician commitment work
- Support universities looking to create paths

Values

- Who?
  - Universities
  - Funders
  - Industry
  - Researchers ☹
- Hidden REF – Non-traditional outputs
- Seminars for UG and MSc courses
  (also a great option for encouraging new starts)
- Hackathons and co-workshops

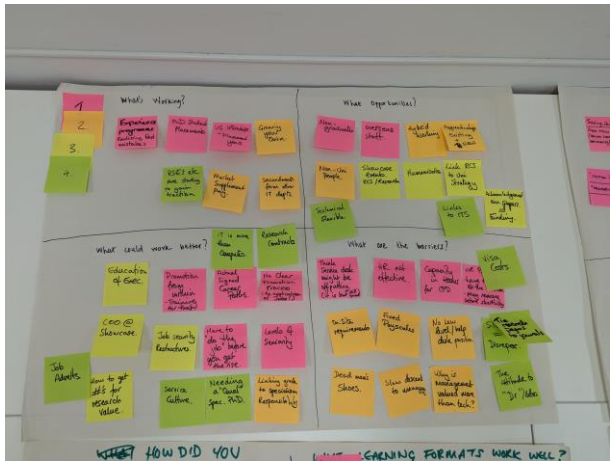


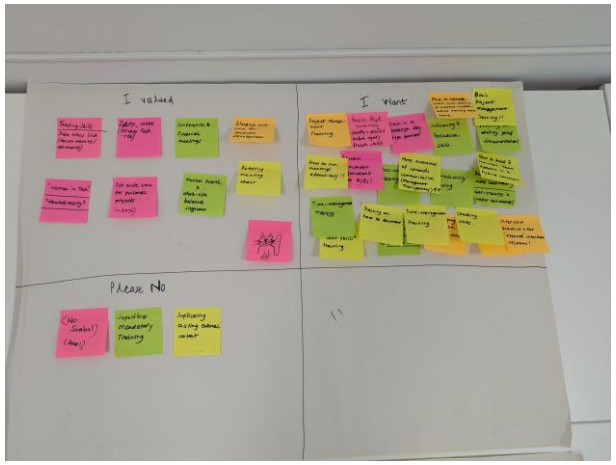
Academia Valued Metrics

Sheffield/Bristol

- **Career Paths & Value**
  - What's working?
  - What could work better?
  - What are the opportunities?
  - What are the barriers?
- **Translational Skills**
  - What non-technical training have you valued?
  - What non-technical do/don't you want?
- **Training/Learning Formats**
  - What has worked well in your experience?
  - How do you learn your skills?
- **Secondments & Mentoring**
  - What stops you taking up mentoring/secondments?
  - How can we make it more attractive?
  - What do you want to gain from them?

Sheffield/Bristol





Today

- **How to Make Translational Skills relevant to an RIE?**
  - Research landscape
  - People
  - Time/Project management
- **What can the hub actively do for Secondments & Mentoring**
  - Events?
  - Training?
  - Administrative support?

- **What Should Training Formats Look Like for different people**
  - 2 Events x 2 Personas per table
    - Bootcamp/Hackathon
    - Seminar/CPD Event
    - 4 RIE Personas
  - Consider
    - Timing, location, content level/depth, audience, in person/hybrid/virtual, recorded or not, cost, pre-requisites, hands on or book