



ARCHER2 Outreach Webinar

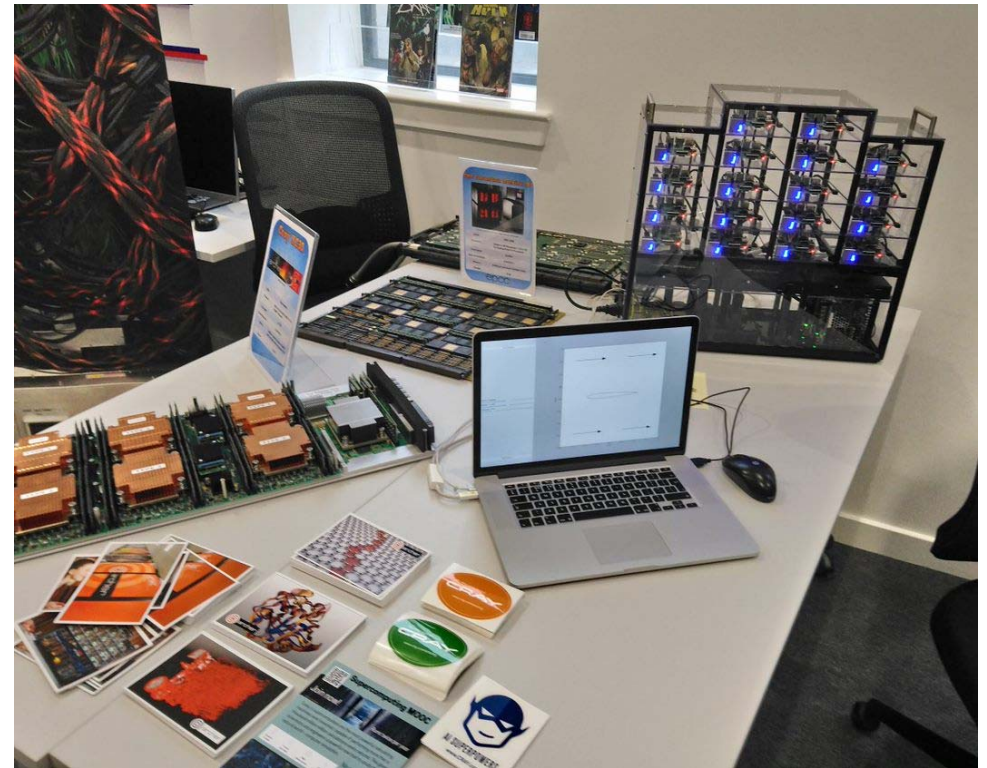
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Overview

- Aims for ARCHER2 Outreach
- ARCHER2 Outreach team
- Activities for young people
- Existing materials
- Adult engagement



Aims

- To provide an engaging, innovative and diverse programme of outreach and public engagement activities
- UK-wide programme, mixture of in-person and online
- Inclusive



EPCC Outreach Team

- Approx 20 EPCC staff actively involved
- Diverse paths to our careers and research interests
- ARCHER2 an opportunity to continue at scale



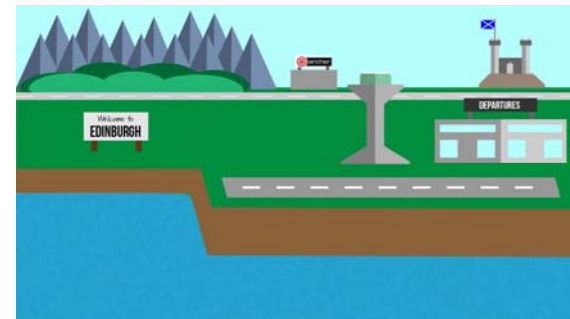
Activities for Young People – Live Events

- Commitment to exhibit at three large science festivals per year, in addition to 10 smaller events/school visits
 - Already contributed materials to Edinburgh Science Festival this year
- Location can be same as ARCHER2 training courses



Activities for Young People – Existing Materials

- Wee Archie, the suitcase-sized supercomputer
- 18 Raspberry Pis executing MPI code
- Two applications based on real use cases:
 - Aerofoil
 - Flood defences



Activities for Young People – Existing Materials

- Parallel bean bag sort
- Demonstrates benefit of parallel processing by counting increase in objects sorted as the group size increases
- No tech required
- High-energy crowd favourite



Activities for Young People – Existing Materials

- Build-a-PC workshop
- Classroom setting, approx. 1hr
- Works well with classrooms and as a family activity
- Can be adapted for younger audiences



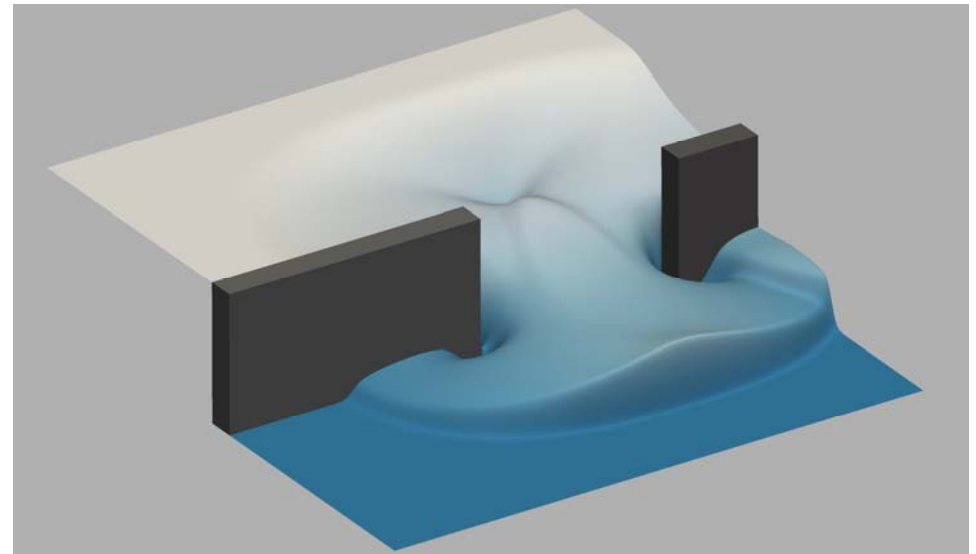
Activities for Young People – Existing Materials

- Hardware “Museum”
- Blades from 30 years of HPC system
- Close to life-size images of cabinets
- Information cards with their specifications



Activities for Young People – Online Resources

- Plan to develop all new resources accessible online at any time
- Videos, worksheets and fliers, quizzes
- Instructions for hands-on activities to do at home
- Reward scheme for completing different activities



Adult Engagement

- Target audience interested in computing, learning as a hobby
- Build on experience running a MOOC and in training/carpentries
- Leads into ARCHER2 driving test



Summary

- Festivals and school visits UK-wide throughout the year
 - Tried and tested, plus new materials
- Availability of materials on the ARCHER2 website on-demand
- New course for life-long learners with possibility of community projects





THANK YOU!

QUESTIONS?

