

Welcome!

Virtual tutorial starts at 15:00 BST



eCSE Overview

ARCHER Virtual Tutorial, Wed 27th August 2014

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EPCC

EPSRC

NERC SCIENCE OF THE ENVIRONMENT



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Overview

- Programme provides funding to ARCHER user community to develop software in a sustainable manner for ARCHER
- Objectives
 - To sustain key codes for the UK computational science community
 - To facilitate efficient use of ARCHER resources through enhanced code performance/functionality
 - To offer a not-for-profit service that provides value for money to the HPC user community and beyond
- Also
 - Develop and sustain codes and communities from new areas
 - Support and encourage early career researchers

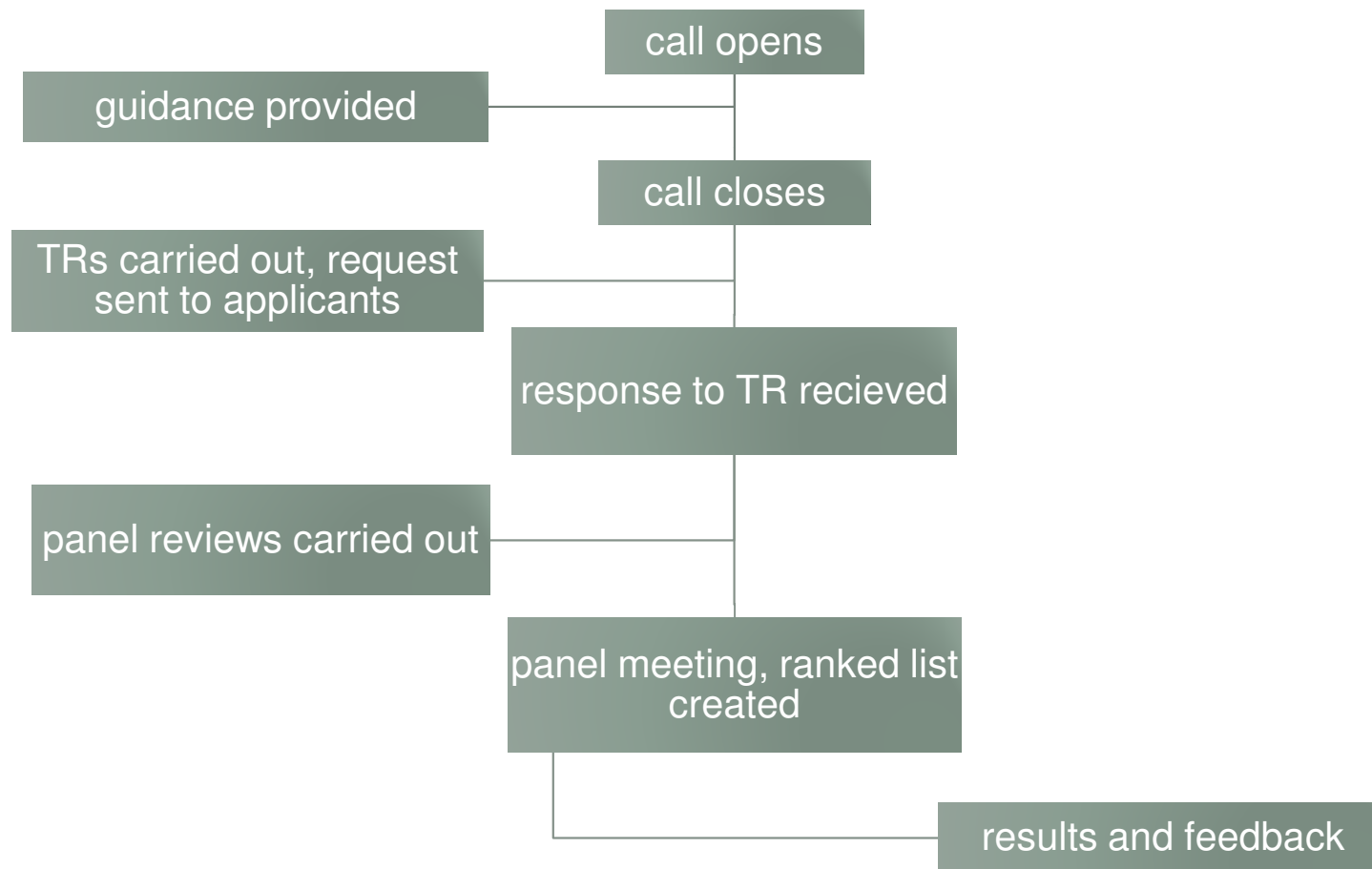


Embedded CSE (eCSE)

- 3 regular calls per year
 - Current (3rd) call closes Tuesday 16th September, 2014
- Most projects between 3 and 12 months
 - In exceptional cases this can be longer, but needs strong justification
- Not-for-profit
 - Committed to 14 FTE per year. Additional money will be put into further eCSE PMs
- Implementation of new functionality/algorithms is permitted
 - But not the development of these algorithms



eCSE process



eCSE Applications

- After calls opens, proposals should be submitted via SAFE:
 - <https://www.archer.ac.uk/safe/>
 - Please register first if you are not a registered user in SAFE
- Information and guidelines for applying can be found at:
 - https://www.archer.ac.uk/community/eCSE/eCSE_ApplicationGuidance.pdf
 - https://www.archer.ac.uk/community/eCSE/eCSE_ProposalTemplate.doc
- Applicants can request guidance from the centralised CSE team before submission:
 - Please contact ARCHER helpdesk: support@archer.ac.uk



eCSE Applications (Cont.)

- Technical effort level
 - Effort should be specified in Person Months (PMs)
- Cost rate
 - 100% fEC should be provided for each proposed candidate
 - We pay 80% fEC for successful projects
 - no need to specify costs for ARCHER CSE team member (i.e. EPCC staff)
 - Details about any existing funding for the proposed technical candidates should be provided
- Travel funding
 - Appropriate travel for funded technical staff within the UK may be supported e.g. to meet Co-Is



Reviewing eCSE Applications

- Two stage reviews for all eCSE applications
 - Technical Reviews (TRs)
 - Panel Reviews



Technical Review (TR)

- Administrative checks will be applied for all submissions before TRs
- Applications will be reviewed by technical advisors and the ARCHER centralised CSE team
 - Majority carried out by the centralised team
 - If conflicts of interest, proposal reviewed by external advisors



TR Feedback

- Feedback will be provided to all applicants after admin check and TRs
- Applicants will be given the opportunity to respond to these comments / request for further information
 - Original proposal will not be updated, only additional response can be submitted via SAFE
 - All information supplied to the panel
 - Can also choose to withdraw and submit to a later panel



Panel Reviews & Panel Meetings

- Each application will be reviewed by two panel members independently prior to the panel meeting
 - Based on the Assessment Criteria
- Panel Meeting will take place within around 8 weeks after the call closed
- For each application, Panel can decide to fund, not fund or if needed fund in part
- Panel can fund with requirements e.g. propose improvements, extra impact activities, etc.
- Conflicts of interest handled in same way as EPSRC



Assessment criteria

- Applicants
 - Track record of applicants, demonstrate project can be completed
- Technical context
 - Sufficient technical information provided
- Benefits
 - Why it is needed, what are the expected benefits
 - Scientific, computational and to ARCHER community
- Pathway to impact
 - Impact activities to ensure potential benefits are achieved
- Work plan
 - Appropriate plan for management, technical work and resources
- Overall
 - Overall quality and objectives



Points to remember

- Specific Benefit to the ARCHER community
 - Availability of code on ARCHER
 - Who will utilise the improvements and for what activity
- Travel
 - Normally only fund travel for the technical staff members
 - Appropriate travel within the UK
 - Do not normally fund travel to conferences.
- Staffing experience and profile
 - Considered by the panel
 - Experience of PIs/Co-Is relevant as is training plan
- Existing funding
 - Looking to ensure the work is not suppose to be carried out under a different project



Final Decisions and Feedback

- Final decisions will be sent to applicants together with feedback from the panel
 - Within around 2 weeks after the panel meeting
- Successful applications
 - See next section
- Unsuccessful applications
 - Will be provided with constructive feedback
 - If appropriate will be encouraged to contact the CSE team for further advice and support in the preparation for the resubmission to the future call



eCSE running projects

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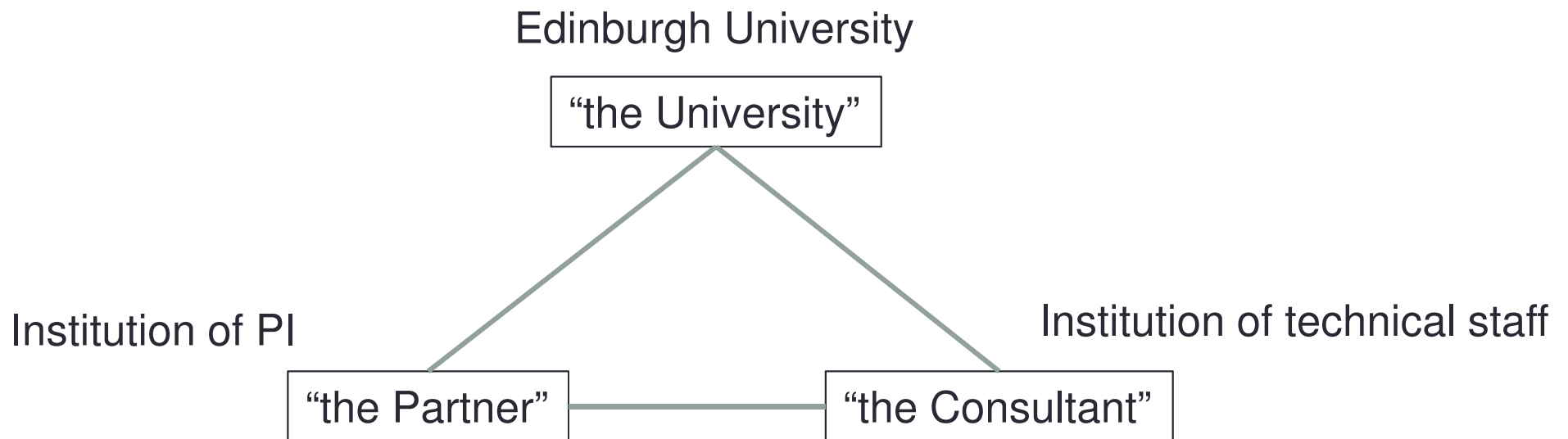
Overview

- What happens if your project is accepted?
 - Contracts
 - ARCHER cpu-hours awarded
 - Contact point
 - Project Monitoring
 - Reporting
 - Quarterly reports
 - Final report



Contracts

- Soon after projects are accepted we send out a contract
- In principle this is “3-way” between Institutions
- Usually involves legal team/contracts management
- Document includes workplan, level of funding, start dates, etc.



ARCHER CPU-hours awarded

- Each eCSE project gets an ARCHER project
 - Project gets 50 kAUs per staff month awarded
 - E.g. 3 month project would get 150 kAUs equivalent to 10,000 core hours
 - Can request more but needs to be stated on proposal and justified
 - CPU hours can only be used for eCSE work
 - eCSE PI is made PI of project



Contact point

- Each project is assigned a contact point with centralised CSE team
 - Will be in touch early on in project
 - Discuss project/technical problems



Project monitoring

- During the project
 - Quarterly report
 - Engagement with the ARCHER community
- On completion
 - Final report
 - ARCHER Webinar
- Final report
 - reviewed by a combination of technical advisors / eCSE panel members
 - Feedback summary provided to PI/Technical staff



Quarterly Report

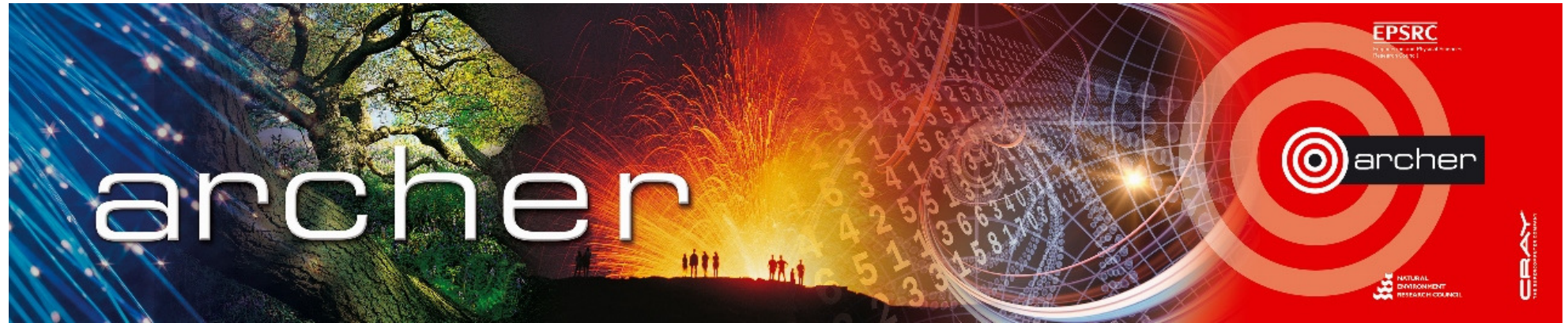
- Required each quarter for projects > 3 months in length
- Report on
 - Effort spent to date
 - equivalent rates to the TRAC model.
 - Full time fEC for a year is equiv of 7.5 hours per day for 220 days
 - Report on any staffing issue which have affect effort spent
 - Main achievements
 - Exceptions
 - Software outputs
 - Technical staff engagements
 - Dissemination



Final report

- The final reports will be used for two main requirements:
 - To assess the success of the project;
 - For publicity purposes – highlighting computational advances; current/potential scientific advances; current/potential impact.
- Short, tight limits on each section
- Publishable component
 - Including availability of code
- Technical, benefits, Impact, Engagement, Feedback





Goodbye!

Virtual tutorial has finished

