INTEREST IN THE WORKSHOP

Note: The following subsections are designed to aid the directors in determining the appropriateness of the course material for your intended purposes. Please take great care in answering these questions.

Describe briefly your experience in HPC computing activities, including usage, scientific software development for HPC applications and/or experience in system administration and management.

Describe briefly how you anticipate this workshop will impact your work.

What specific skills do you wish to acquire or improve during this school?

What broader impact to your work environment do you anticipate from participating in the workshop?

TECHNICAL SKILLS

Knowledge of Programming/Script Languages

	excellent	good	fair	poor	
Fortran77	❑	❑	❑	❑	
Fortran90/95	❑	❑	❑	❑	
C	❑	❑	❑	❑	
C++	❑	❑	❑	❑	
Python	❑	❑	❑	❑	
Shell Script (Bash)	❑	❑	❑	❑	
Other: _____	❑	❑	❑	❑	(optional)

Knowledge of Linux/Unix Command Line Interface

excellent	good	fair	poor
❑	❑	❑	❑

Which Editor/Tool Do You Use For Programming (mark all that apply):

	frequently	sometimes	never	
Eclipse	❑	❑	❑	
Emacs/XEmacs	❑	❑	❑	
Gedit	❑	❑	❑	
Kdevelop	❑	❑	❑	
Vi/Vim	❑	❑	❑	
Visual Studio	❑	❑	❑	
Other: _____	❑	❑	❑	(optional)

PLEASE FILL THIS FORM ONLY IF YOU INTEND TO ATTEND THE "DEVELOPER SCHOOL FOR HPC APPLICATIONS IN EARTH SCIENCES"

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Describe briefly your experience in HPC applications **for your specific scientific area of Earth Sciences**, including usage and specific scientific software development (e.g. use of commercial or original software, use of community models etc.).

Describe briefly the **computational challenges** that you usually encounter in your work or that you plan to deal with in the next future (e.g. increase of spatial resolution, coupling between different models, increase of data production), and how you think that HPC could support to solve them.

PLEASE FILL THIS FORM ONLY IF YOU INTEND TO ATTEND THE TRAINING SESSION ON "Deploying and Operating a resource for HPC with Commodity HW"

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Work Role

Which of the following options identifies your current work role best?

☐ IT-Manager ☐ IT-Support ☐ Researcher ☐ Student ☐ Sysadmin

What are your HPC related tasks and duties?

_____

How will your participation in the training session affect your work role?

_____

Which specific new skills do you wish to acquire during the training session?

_____

What impact will your participation have on your organisation?

_____

HPC facility & Linux expertise

Briefly list any existing HPC facilities in your organization that you are involved with. Provide number/type of processors/cores, storage capacity and (high speed) network

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Number of users actively using the HPC systems listed under 6.

☐ 10 or less ☐ 11-25 ☐ 26-50 ☐ 51-100 ☐ more than 100

Briefly describe any plan(s) to expand or deploy HPC facilities with the next 5 years. List estimated budget in US $, expected primary usage, type of hardware, etc. as known

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Select one *(only one per line)* of the following which closes matches your knowledge in

	None	**Fair**	**Good**	**Expert**
General knowledge of Linux/Unix	☐	☐	☐	☐
Linux command line interface	☐	☐	☐	☐
Bash shell scripting	☐	☐	☐	☐
TCP/IP networking configuration	☐	☐	☐	☐
Storage management	☐	☐	☐	☐
Batch system configuration	☐	☐	☐	☐
Compilation of scientific software	☐	☐	☐	☐

Briefly describe the difference between each of the following two items

host ~ # vs. *host ~ $* _____

#!/bin/csh vs. *#!/bin/sh* _____

DHCP vs. *DNS* _____

netmask vs. *route* _____

python vs. *java* _____