

Survey

This survey is carried out within the scope of ICT COST Action IC1406 High-Performance Modelling and Simulation for Big Data Applications (cHiPSet).

Please help us in collecting a sufficiently large and broad statistical basis for this validation by answering this survey. It only takes 2-3 minutes.

Many thanks in advance!

1. How long have you been working in High Performance Computing?

☐ Not at all ☐ < 2 years ☐ 2 to 5 years ☐ 5 to 10 years ☒ > 10 years

2. In what areas of science or engineering have you worked?

(e.g., computer science, bioinformatics, material science, telecommunications ...)

Computer Science

3. Do your High Performance Computing related activities consist primarily of

☒ *Developing* programming support tools, or ☐ *Using* existing programming tools?

4. How do you rate your level of technical knowledge about languages/frameworks for HPC?

☐ Very Poor ☐ Poor ☐ Neutral ☒ Good ☐ Excellent

5. Which programming languages do you *use* for High Performance Computing?

Mainly Java

6. What are, in your view, the *key advantages* of these languages (in relation to the alternatives you know)?
(this may include language properties, performance, programmability, etc.)

Portability across different systems

7. What *actually* made you use these languages? (if not already covered in 6.)

8. Which other programming frameworks (e.g., library-based) and tools do you *use* for HPC?

At present moment exploring Hadoop MapReduce and

related tools/frameworks (HDFS, YARN, SPARK, etc)

9. Which other HPC programming languages / frameworks / tools do you know about (but do not use)?

Condor, MPI, GPUs
