

Virtual Institute – High Productivity Supercomputing

Partnership to develop advanced programming tools for complex simulation codes

Goals

Improve code quality
Speed up development

Activities

Development & integration of HPC programming tools

- ✕ Scalable
- ✕ Easy to use

Service

- ✕ Support email lists
- ✕ Application engagement

Bring-your-own-code tuning workshops

- ✕ 3-5 days
- ✕ Overview of tool suite
- ✕ Functionality of individual tools
- ✕ Hands-on experience & expert assistance using the tools

Academic workshops especially for young scientists

ESPT/ProTools workshop series in conjunction with Supercomputing (SC) conference

More information
www.vi-hps.org

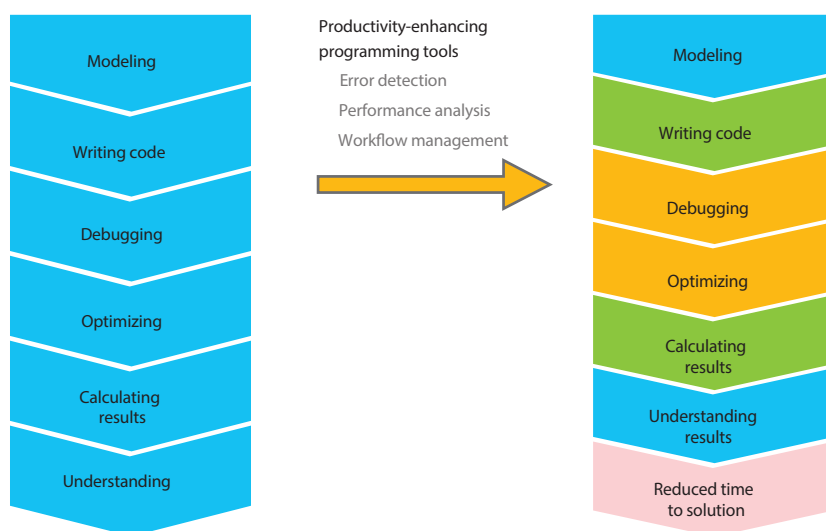
Contact
info@vi-hps.org

Sponsored by

HELMHOLTZ

RESEARCH FOR GRAND CHALLENGES

Supercomputing productivity



Integrated tool suite

Single Node Performance	Parallel Performance		Debugging & Correctness		End-user
	Dimemas	Open SpeedShop	Archer		
Callgrind	Extra-P	Paraver	Linaro DDT		
LIKWID	Linaro MAP	Scalasca	Memchecker		
MAQAO	Linaro Performance Reports	TAU	MUST		
DiscoPoP	mpiP	Vampir	STAT		
Instrumentation	Measurement	Integration	Visualization	Infrastructure	
OPARI2	Caliper	Component-based Tool Framework	Cube		
	Extrac	LaunchMON			
	PAPI	PdMPI			
	Score-P	JUBE			