



DRIVING THE EXASCALE TRANSITION

AGENDA MaX Project Meeting in Barcelona (ES)

Monday October 16		speakers
09:00-09:20	Welcome	E. Molinari, A. Ferretti (Cnr Nano)
Codes: Status and Plans *		
09:20-09:45	QE	
09:45-10:10	Siesta	A. Garcia (CSIC)
10:10-10:35	Fleur	
10:35-11:00	BigDFT	
11:00-11:30	coffee break	
11:30-11:55	Yambo	D. Sangalli (CNR) [+ Y Team]
12:00-13:00	General discussion: Codes	
13:00-14:30	Lunch	
Exascale workflows & Data		
14:30-14:50	Exascale workflows: Science, howto's, and early examples	A. Garcia (CSIC), N. Marzari (UBremen)
14:50-15:10	Workflow management & meta-scheduling **	N. Marzari (UBremen), A. Garcia (CSIC)
15:10-15:25	A primer on HyperQueue	A. Bohm (IT4I) ONLINE
15:25-16:00	General Discussion: Workflows ***	
Hardware codesign, energy efficiency		
16:00-16:20	Intro to the JUPITER machine	A. Herten (JSC)
16:20-16:40	MaX codes on advanced hardware	K. Mood (JSC)
16:40-17:10	coffee break	
17:10-17:30	Energy Efficiency	L. Riha, O. Vysocky (IT4I)
17:30-18:00	Co-design of European Hardware: News and updates	E. Raffin (Eviden/ATOS), A. Degomme (SiPearl)
18:00-18:30	AoB, Discussion, Wrap up	
20:00	Social Dinner	

* each code: 12' WP1, 10' WP2, 3' Q&A/incl. Scientific grand challenges

** incl. practical examples

*** incl. Security policies & workflows

Tuesday October 17

Engagement, Training & Communication		
09:00-09:20	WP5 Training: Updates & Success cases	D. Varsano (CNR)
09:20-09:40	Discussion on Hackathons	
09:40-10:10	WP6: Communication, exploitation, and dissemination	A. Argemí (ICN2)
10:10-10:30	General Discussion	
10:30-11:00	coffee break	
Addressing technical challenges		
11:00-11:20	WP3: Technical challenges	F. Affinito (Cineca)
11:20-11:40	Benchmarking & Profiling	M. Ippolito (Cineca)
11:40-12:00	Deployment on EuroHPC machines °	J. Javorek (IJS)
12:00-13:00	General Discussion °°	chair: F. Affinito (Cineca), J. Javorek (IJS)
13:00-15:00	Lunch	
General Themes & Policies		
15:00-15:30	WP7 Management: procedures, deliverables, reporting, KPI	L. Neri (CNR)
15:30-17:00	General Discussion: Transversal Themes (see below)	
17:00-17:30	coffee break	
General Assembly		
17:30-18:30	General Assembly	
18:30-18:45	Wrap up & Farewell	

° incl. middleware technologies

°° incl. Access to EuroHPC machines; security policies

Transversal themes

Access to EuroHPC machines (continuous integration, continuous deployment)

Security policies & workflow management

industrial exploitation of MaX codes