

HPC and Big Data Technologies for Global Challenges



**Plenary Meeting
November-December 2021
Tuesday, 30th November – Thursday, 2nd
December
Remote**

Objectives

This plenary meeting of HiDALGO follows the previous ones. This meeting sets the course for the last months of year 3 and the extension developments. Consequently, the main goals for this meeting are the following:

- Get an understanding of the current status of the project and evaluate the steps taken
- Review technical developments in all areas
- Discuss about the parallelization roadmap, so we'll achieve our objectives by the end of the project
- Understand where to focus our last efforts with respect to scalability, HPDA and AI
- Discuss about the HiDALGO market opportunities and link the requirements of WP2 to the technical tasks
- Work out a strategy to generate the required impact (e.g. future application stakeholders, community building, associated partners, Heterogeneity Alliance, social media, dissemination budget, etc.)
- Define a plan until HiDALGO finalization

This will require to:

- Analyze how we addressed reviewers' comments until now
- Understand and review the current implementations and the current status
- Review the Key Performance Indicators to evaluate the current status of the project and to take actions
- Agree on a more detailed cooperation between the technical and the business / outreach oriented work packages
- Implement a strategy that can update requirements and that can implement an adequate parallelization roadmap
- Discuss about the open points in the technical work, reaching any required agreement
- Plan HiDALGO outreach events and dissemination opportunities in order to disseminate the HiDALGO message and analyze dissemination budget available

Venue

Date and time

30.11.2021, 9:00 CET – 02.12.2021 13:00 CET

Location

Remote – Teams sessions

Dinner Location

At home

Agenda

Tuesday, 30th November 2021

9:00-10:00	Welcome, Overview and Status <ul style="list-style-type: none">Logistics and Overview – F. Javier N. (5 min)Technical status and KPIs – Li (25 min)Review comments and strategy – F. Javier N. (20 min)Admin status – Iván and F. Javier N. (10 min)	Chair: ATOS
10:00-11:00	Review Parallelization Roadmap <ul style="list-style-type: none">Current scalability of the pilots/tools – Marcin (15 min)Usage of PRACE resources – Li/Marcin (15 min)Collaboration with POP – ALL (10 min)Open discussion and final plans – ALL (20 min)	Chair: PSNC
11:00-11:15	<i>Coffee Break</i>	
11:15-12:15	WP2 – Business Activities <ul style="list-style-type: none">WP2 activities report – ATOS (30 min)Exploitation discussion and deliverable – WP2 partners (30 min)	Chair: ATOS
12:15-13:15	WP6 – Requirements Evolution and Component Integration <ul style="list-style-type: none">HiDALGO requirements and workflows – KNOW (5 min)AI support discussion – KNOW + ICCS (20 min)Marketplace – KNOW + ATOS (15 min)Component and data integration – USTUTT (20 min)	Chair: KNOW

Wednesday, 1st December 2021

9:00-11:00	WP3 – Exascale HPC and HPDA System Support <ul style="list-style-type: none">Introduction (Marcin) 10'HPC benchmarking realization and new test guideline (Nikela) 20'Application profiling (Lukasz) 20'HPDA methods implementation (Dimitris) 20'HPDA benchmarks with GPU utilization (Krzsimir) 20'Visualization - report on recent implementations (Leyla + Manuela) 20'	Chair: PSNC
11:00-11:15	<i>Coffee Break</i>	
11:15-13:00	WP4 – Pilot Applications <ul style="list-style-type: none">Use Cases Status and Plans – WP4 partners (20 min per pilot)Coupling – ECMWF (15 min)	Chair: BUL

Thursday, 2nd December 2021

9:00-10:45	<p>WP5 – Centre Implementation and Operation</p> <ul style="list-style-type: none"> • Task 5.1 and 5.2 (USTUTT) (40 minutes) <ul style="list-style-type: none"> ○ Monitor (Zabbix), Backup and restore, Jenkins pipeline ○ WP5 KPIs ○ Plan for T5.1 and T5.2 • Task 5.3 – Portal demo (ATOS) (40 minutes) <ul style="list-style-type: none"> ○ Marketplace and Matchmaking integration plan • Task 5.4 - Experiments on Novel architecture (PSNC) (25 minutes) <ul style="list-style-type: none"> ○ List of experiments completed and the results of the experiments ○ List of experiments planned for the next 6 months ○ Plan for D5.8 	Chair: USTUTT
10:45-11:00	<i>Coffee Break</i>	
11:00-12:30	<p>WP7 – Outreach, Event Management and Collaboration</p> <ul style="list-style-type: none"> • Information about the outreach channels – PLUS (15 min) • Discussion on how to boost collaboration and outreach, HA and other events – ALL (20 min) • Associated partners program status – DIA (15 min) • Dissemination budget available – ALL (10 min) • Plans until the end of the project, deliverable – ALL (30 min) 	Chair: PLUS
12:30-13:00	<p>WP1 – General Assembly - Discussion</p> <ul style="list-style-type: none"> • Discussion about efforts and budget reporting • How to deal with the budget • Any other changes required in the project 	Chair: ATOS