cHiPSet IC1406 Annual Report – 4th Grant Period

GP4 Goals

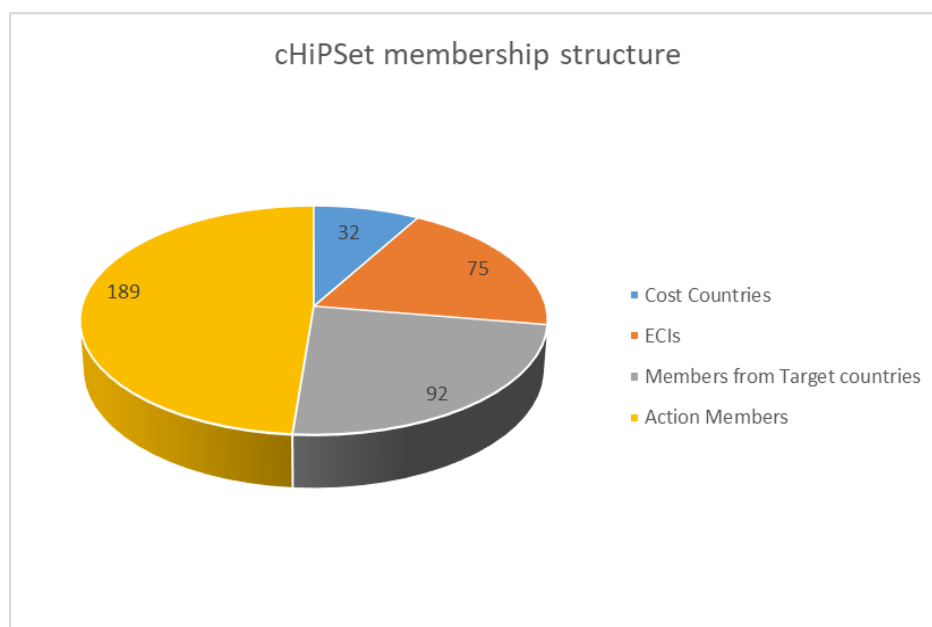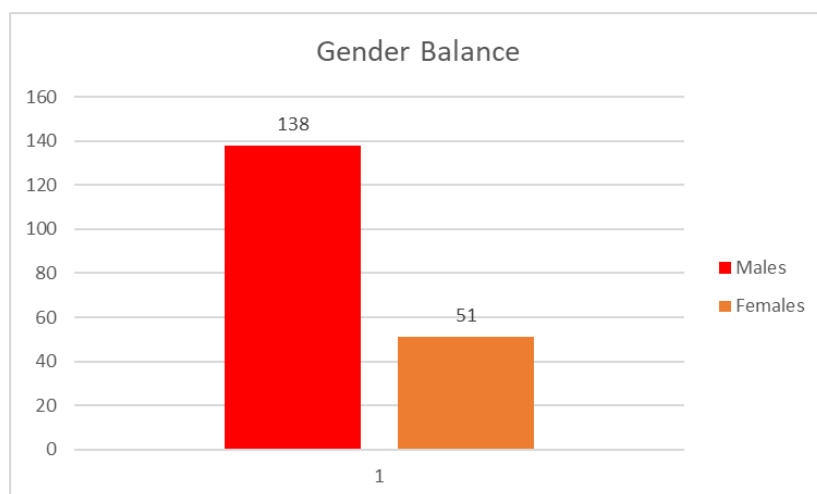| Goal:	Description
GPG1	Create an integrated Expertise Map of the cHiPSet Action members by systematically combining all developed expertise databases, search engines and Web services.
GPG2	Continue industrial outreach endeavours and potential path-to-market exploration of the Action developments..
GPG3	Release the final set of dissemination publications and map all Action publications into the cHiPSet collection. This collection will serve as a reference point for practitioners and academics. It shall include an index map to allow the seamless navigation
GPG4	Produce a CHIPSET manifesto (alas Berkeley dwarves report) based on the cases of studies which correlates data-intensive HPC techniques with the corresponding modelling and simulation cases.

WG tasks

Working Group	Tasks planned per WG
WG1	Development of a comprehensive compendium of the evolved state of the art and novel trends in Big Data systems software, middleware, and infrastructures for MS with special emphasis in Life, Social and Physical sciences. Industrial outreach
	Dissemination of the results
	Cooperation within the action, scientific community and companies
WG2	Finalisation of the review of currently used programming models in the development of MS software, and the state-of-the-art parallel programming techniques in both DSL and MDE approaches
	Work on Use cases
WG3	Work on use cases

WG3	Finalization of the book titled: High-Performance Modelling and Simulation for Big Data Applications - cHiPSet; Editors: Kolodziej, Joanna, Gonzalez-Velez, Horacio (Eds.) - Lect. Notes Computer; State-of-the-Art Surveys; Vol. 11400
WG4	Finalization of case studies
	Writing chapters for special LNCS volume

Action membership

In GP4, we have **34** Cost countries in the consortium – we accepted Albania and Hungary. The number of participants increases compare to the GP3 from 174 to 189.

Gender Balance

160
140
120
100
80 ■ Males
60 ■ Females
40
20
0

138

51

1

In GP4 we had 2 face-to-face meetings:

- 06/11/2017 – WG meeting in Las Palmas Gran Canaria, Spain (http://chipset-cost.eu/index.php/las-palmas-agenda/)

- 27/03/2017 – GP4 final WG+ MC meeting in Vilnius, Lithuania (http://chipset-cost.eu/index.php/vilnius-agenda/). During the meeting the summary of the action activities in this grant period have been presented

We have organized also **10** virtual meetings of WGs and CG.

cHiPSet expertise database

The expertise database of cHiPSet members has been updated. The experts work in the specified domain who are involved in the Action can be extracted from the whole consortium by using the online search application available at http://chipset-cost.eu/index.php/chipset-expertise-database/ .

Case Studies

The work in the Case Studies teams was continued. The final results were published as the Springer Volume (https://link.springer.com/book/10.1007/978-3-030-16272-6)
The results of the work and the team structures are available here
http://chipset-cost.eu/index.php/case-studies/
The presentations of the final work are available here:
http://chipset-cost.eu/index.php/reports/

STSMs
We sponsored 16 STSM grants in GP4: 8 for women and 8 for male participants. 12 beneficiaries were ECIs.

The list of the awarded grants is available at: http://chipset-cost.eu/index.php/awarded-stsm-grants/

Training School

We organized the last Action Training School in Thessaloniki, Greece, in September 2018; The full information about the school together with the slides of the trainers' lectures is available here:
http://chipset-cost.eu/index.php/chipset-training-school-2018/
and here:
http://chipset-cost.eu/index.php/ts_2016-lecture-notes/

Dissemination Activities

The dissemination report is available here
http://chipset-cost.eu/index.php/reports/
cHiPSet have been presented at many external events (2 dissemination events)
more information available here:
http://chipset-cost.eu/index.php/dissemination-meetings-and-chipset-presentations/

Research work

The annual WGs report on the realization of the tasks is available at:
http://chipset-cost.eu/index.php/reports/

New publications project applications and books have been released.

The list of the cHiPSet publications is available at:
http://chipset-cost.eu/index.php/publications/