

## 1. PUBLISHABLE SUMMARY

Overall the project is performing mostly to plan with work progressing in the development workpackages each of which corresponds to elements of the JUNIPER platform. Within each development workpackage the main design tasks have been completed and first prototype technologies have been implemented, which are being evaluated in the laboratory for their impact on software development and performance for big data applications. The industrial user partners have also begun their preparations of the Use Case evaluations within the context of their own industrial application developments having completed the preparations of the large streaming data sets as the first tasks scheduled for the validation workpackage, which will continue into the final year of the project.

New project partner BUT has been making important contributions as a result of the extension of the consortium and additional development tasks that were agreed as a formal amendment to the project contract. The delays initially experienced in the previous reporting period due to the time required to finalise the contract amendment paperwork have been largely overcome during the reporting period and are not expected to affect the overall project schedule.

A first assembly of the JUNIPER platform has been completed and prototype components of each element of the software stack have been developed and are operational. Further integration work will be carried out in the coming reporting period in preparation for final industrial evaluations planned during the final six months of the project.