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## **High Programming Productivity for Accelerators**

## #pragma oss task device(oper #pragma acc kernels for (int y=ny0; y < nyf; y++) { for (int x=nx0; x < nxf; x++) { for (int z=nz0; z < nzf; z++) ...code...</pre>

Our main goal is to turn upcoming overwhelmingly-heterogeneous exascale supercomputers into manageable platforms for domain application developers.

## Summary

We work on programming models (OmpSs, OpenMP, OpenACC, CUDA, OpenCL, SYCL, OneAPI, etc.) and compiling techniques (such as JIT).

## Objectives

- Ease application development for accelerated HPC
- Influence standard bodies

**Source URL (retrieved on 15 Mar 2025 - 00:24):** <u>https://www.bsc.es/es/research-development/research-areas/programming-models/high-programming-productivity-accelerators</u>