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Abstract:

## FF4EuroHPC: HPC user needs from an SME perspective

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The FF4EuroHPC project continues the Fortissimo approach of executing “experiments” with SMEs, delivering real business impact through use of HPC. The purpose is to demonstrate how SMEs can benefit from the use of advanced HPC services (for example, modelling & simulation, data analytics, machine-learning and AI, and possibly combinations thereof). Since the FF4EuroHPC experiments address business challenges of the participating SMEs, they encounter the general issues faced by SMEs when seeking to transition their business processes (be they design, operation or the products and services they offer to customers) to include HPC applications software, methods and computational services. Depending on the specific competencies and existing practices of the SME, there is a need for support in some or all of the following: identifying the right software suites and adapting and/or integrating these into the workflows required for the business challenges; collaboration and consultation on computational methods for the application field and on the deployment on, and use of, HPC computing facilities; establishing collaboration frameworks to ensure the continued operation and further expansion of the HPC components in a commercial setting.