



An experimentally-validated multi-scale materials, process and device modelling & design platform enabling non-expert access to open innovation in the Organic and Large Area Electronics Industry (MUSICODE)

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Publishable summary

MUSICODE is an ambitious project that develops a novel Open Innovation Materials Modelling Platform to enable the Organic and Large Area Electronics Industry to expediate accurate and knowledgeable business decisions on materials design and processing for optimization of the efficiency and quality of OLAE device manufacture. Modelling the processing of materials requires hierarchical workflows spanning the micro- to macro-scales and thus spanning across different disciplines: chemistry, physics, engineering. The efficient support of massively parallel simulation tools and utilization of HPC resources is necessary. This deliverable summarizes the HPC specifications required by MUSICODE platform. It will subsequently serve as a reference to integrate 3rd party HPC resources and establish offers for “provision of service” to the MUSICODE users.