preCICE: A dependable open-source coupling library for partitioned multi-physics simulations

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preCICE (Precise Code Interaction Coupling Environment) is a coupling library for partitioned multi-physics simulations used by over 30 research groups in academia, non-university research facilities and in the industry. Its minimally invasive API and scalability on massively parallel systems allows for rapid adaptation, and thus offers the flexibility needed to keep a decent time-to-solution for complex multi-physics scenarios. As a common interface, it encourages collaboration between researchers and ensures compatibility and thus the sustainability of both modern and legacy code.

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A distributed, multi-cultural, and interdisciplinary team.

References: