



Welcome to Hands-on Workshop 2025

ILDG Board Chair
Yoshinobu Kuramashi (Tsukuba)

ILDG 1.0



ILDG (International Lattice Data Grid)

- proposed by UKQCD Collab. in Lattice 2002
C.T.H. Davies et al., Nucl. Phys. B (Proc. Suppl.) 119 (2003) 225.

Purpose

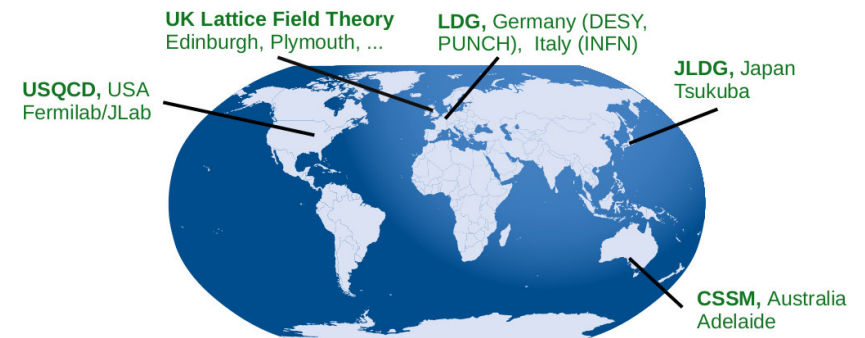
- provide a standard method to share valuable (costly produced) gauge configs.

Design strategy

- ILDG is a federation of autonomous regional grids (RGs)
- Interoperate RGs with common interface (Metadata and Middleware WGs)

System was completed in 2007

But, the activity became stagnated in late 2010s



ILDG 2.0



Re-ignited in 2021

- social momentum to Open Science/Open Data paradigms
- data sharing based on FAIR principles (Findable, Accessible, Interoperable, Reusable)
- modernize ILDG (technology, usability, organization, ...)
- <https://hpc.desy.de/ildg/>

Perspectives and status were reported in recent Lattice conferences

- F. Karsch, H. Simma, and T. Yoshie, PoS (Lattice2022) 244
- F. Di Renzo, PoS (Lattice2023) 112
- Basavaraja BS et al., PoS (Lattice2024) 411

More details will be given by Antonio

Interaction with the lattice community

- Lattice Data & lunch break sessions @Lattice 2022
- Hands-on Workshop 2023 (online)
- Lattice Data session @Lattice 2024
- Hands-on Workshop 2025 (online)

Opportunities to exchange knowledge, deepen understanding and get practical skills



Special thanks to the organization team

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Hideo Matsufuru

Antonio Rago

Carsten Urbach

Christian Schmidt,

Daniel Knüttel,

Dirk Pleiter

Giannis Koutsou

Giovanni Pederiva

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