TerraDT

The Digital Twin of the Earth for **Cryosphere, Land Surface and related interactions**

What is TerraDT?

TerraDT is a next-generation Digital Twin

of the Earth, providing high-resolution simulations of the **cryosphere, land surface, and their interactions**, helping policymakers and stakeholders make informed decisions and take action for climate adaptation.

Why it Matters

With climate change accelerating, challenges like **rising sea levels**, **extreme weather**, **and ecosystem shifts** demand urgent action. TerraDT delivers **km-scale precision data** to fill critical gaps in environmental modeling, empowering **governments, businesses, and communities** to mitigate risks and adapt to a changing world.







TerraDT

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Discover more and be part of the change!

Visit terradt.eu

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Our Innovations

A coupling interface seamlessly integrated with the







Impact Models targeting key environmental and societal challenges







Euro-HPC systems & DestinE infrastructure

By pushing the boundaries of digital Earth simulations, TerraDT is helping shape a smarter, more sustainable future.

