



# EGI2024

## Tuesday, 1 October 2024

### Replicating and predicting complex systems with scientific Digital Twins (15:15 - 16:30)

-Conveners: Andrea Manzi

time	[id] title	presenter
15:15	[27] The interTwin Digital Twin Engine: a platform for building and managing scientific Digital Twins	MANZI, Andrea
15:30	[40] Interoperability between Digital Twins in the Green Deal initiative	GEENEN, Thomas
15:45	[65] A digital twin for geophysical extremes: interim results from the DT-GEO project	FOLCH, ARNAU
16:00	[102] Tagus river-to-ocean collaboratory for thematic digital twins and collaborative management	OLIVEIRA, Anabela
16:15	[120] Leveraging leadership class computing toward addressing climate and environmental challenges	Dr ANANTHARAJ, Valentine

### Replicating and predicting complex systems with scientific Digital Twins (16:45 - 18:00)

-Conveners: Andrea Manzi

time	[id] title	presenter
16:45	[21] Enlivening the Heritage Digital Twin	NICCOLUCCI, Franco
16:55	[63] Towards a digital twin for flood risk management	BACKEBERG, Bjorn
17:10	[93] Detecting pulsar signals in vast real-time data streams with a machine learning / digital twin-based pipeline	PIDOPRYHORA, Yurii
17:25	[117] A Digital Twin Application: Climate Extremes Detection and Characterization using Deep Learning	Mr PAGE, Christian
17:45	[5] A path to future-compatibility to navigate the complexity of integrating AI-powered virtual sensing in Digital Twin	Dr PILEGGI, Paolo