



ID	Title	Name and Surname	Organization
1	Urban data analytics using GIS for Digital Twin Creation of Human Settlement	Nikhil Gehlot	Indian Institute Of Technology
2	Quantifying the Impact of Land Use Changes on Flood Risk: Multi-Scenario by Using Machine Learning Models	Azhar Ali Laghari	Shanxi Agricultural University
3	Impacts of climate change on aviation turbulence over Euro-Mediterranean region	Tommaso Alberti	Istituto Nazionale Di Geofisica E Vulcanologia
4	TerraDT: Digital Twin of Earth System for Cryosphere, Land Surface and Related Interactions	Matti Mõttus	VTT Technical Research Centre of Finland
5	Towards a Digital Twin of Tropical Wetland Methane Emissions	Rob Parker	University Of Leicester
6	Towards Multi-Scale Agent-Based Models Informed by Earth Observations for Digital Twins	Nick Malleson	University Of Leeds
7	DestinE Sea Ice Decision Enhancement (DESIDE): A Destination Earth Use Case	David Arthurs	Polar View
8	Kazakhstan's real time climate classification using Google Earth Engine	Kalamkas Yessimkhanova	ELTE Eötvös Loránd University
9	A Digital Twin for Security Component: exploratory studies and interactions with existing DTs	Michele Lazzarini	European Union Satellite Centre
10	Predicting plant diseases and mycotoxin contamination over time and space: the synergy between remote sensing and mechanistic models	Michele Croci	Università Cattolica Del Sacro Cuore
11	Coupling Light Use Efficiency Model and Random Forest for Improved Crop Yield and Biomass Estimation Accuracy at Field and Regional Scales	Manuele Ragazzi	Università Cattolica Del Sacro Cuore
12	TRANSITION - EO-INFORMED AGENT BASED MODELS FOR DIGITAL TWINS APPLICATIONS	Maria Banti	Neuralio A.I. P.C.
13	Encoding the Spatiotemporal Evolution of the Petermann Glacier Elevation Surface from CryoSat-2 Altimeter Data using Implicit Neural Representation	Peter Naylor	Esa
14	SaveCrops4EU: Harnessing Earth Observation and Data- and Physically-Based Modelling Approaches for an Innovative Agricultural Digital Twin	Mauro Sulis	Luxembourg Institute of Science and Technology
15	Conceptual Framework of an EO based Digital Twin for Resilient Agriculture under Multiple Stressors	Maximilian Schwarz	Remote Sensing Solutions GmbH
16	Towards a Flexible, Data Assimilation Framework for Global Glacier Modelling	Patrick Schmitt	University Of Innsbruck
17	Reliable AI-Enhanced Data Streams for Lake Monitoring with Digital Twins	Janina Schneider	German Research Center For Artificial Intelligence
18	Establishing a trustworthy evidence base for coastal marine ecosystems with a digital twin approach	Juliane Wihsgott	Plymouth Marine Laboratory
19	TWInning capability for the Natural Environment (TWINE)	Edward Pope	Met Office
20	Unlocking the Future of Earth System Analysis with Digital Twin Technologies: The DestinE Platform	Calogera Tona	Serco Italia Spa
21	WADIT: Integrating Earth Observation Data into Digital Twin Systems for Enhanced Water Resource Management	Daniela Drimaco	Planetek Italia S.r.l.
22	DT-HEAT: Advancing Urban Heat Resilience with DestinE Digital Twin Components	Iphigenia Keramitsoglou	National Observatory Of Athens
23	Digital twins and policy making: potential pitfalls and strategies for collaborative governance	Giuseppe Micciarelli	University Of Naples Federico II
24	From Digital Twins to Open Science projects linking with the European Green Deal Data Space	Kaori Otsu	CREAF
25	Assessing and projecting ice sheet catchment hydrology for Greenland's rivers – DTC Ice Sheets use case 1	David Parkes	Lancaster University
26	Assessment of heat islands in the south-east planning region in Bulgaria by remote sensing	Temenuzhka Spasova	Space Research And Technology Institute, Bas
27	Surface roughness from DEMs and for DEMs: the digital fingerprint of surface morphology	Sebastiano Trevisani	Università Iuav Di Venezia
28	Improving Land Degradation Assessment: A Vegetation-Based Approach for Enhanced SDG 15.3.1 Monitoring	Nada Mzid	Unina
29	Investigating the Link Between Marine Heat Waves (MHWs) and Compound Drought-Heatwaves (CDHW) events in Europe Using Observation Data	Ana Oliveira	CoLAB +Atlantic
30	CLIM4cities: from Citizen Science, Machine Learning and Earth Observation towards Urban Climate Services	Ana Oliveira	CoLAB +Atlantic
31	UAV lidar-based characterisation of individual trees across ICOS sites	Benjamin Brede	GFZ German Research Centre For Geosciences
32	User and stakeholder engagement along the value chain of thematic and local digital twins of the ocean	Bente Lilja Bye	BLB
33	VISION Toolkit: Integrating Satellite and In-situ Observations With Model Data For Earth System Applications	Marker Laurents	National Centre for Atmospheric Science
34	Decision support to agricultural water management, scaling from farm to district and whole region	Joaquim Bellvert	IRTA
35	Developing a Digital Twin for Germany	Anja Klisch	Federal Agency for Cartography and Geodesy
36	Ontology-Driven Knowledge Graph for Renewable Energy Monitoring and Digital Twin Feasibility Analysis	Arijit Dutta	DIMES, University of Calabria