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Processing Techniques for Hate Speech Evaluation for Brazilian Portuguese -- From Black Box to Glass Box: Advancing Transparency in Artificial Intelligence Systems for Ethical and Trustworthy AI -- 13th International Workshop on Future Computing System Technologies and Applications (FiSTA 2023) -- Towards a Dynamic Computation Offloading Mechanism with Twin Delayed DDPG in Edge Computing -- Data-flow Visual Programming Environment for Small IoT Devices -- Tweets Sentiment Analysis of Putin's Participation at the G20 Summit in Indonesia -- Droneways: Definition of Unmanned Aircraft Vehicles Airways and Traffic Management for Urban and Interurban Environments - A Survey -- Geomatics for Resource Monitoring and Management (GRMM 2023) -- Integration of Copernicus data and services to assess local aridity conditions in the Apulian context: the case of Marina di Ginosa -- Integrated use of geomatic methodologies for monitoring an instability phenomenon -- Crowdsensing close-range photogrammetry for accurately reconstructing a digital twin of a Cultural Heritage building using a Smartphone and a compact camera -- Landsat 9 satellite images potentiality in extracting Land Cover classes in GEE environment using an index-based approach: the case study of Savona city -- Collaborative Planning and Designing for the Future with Geospatial Applications (GeoCollab 2023) -- Geodesign Education: Case Studies from the US, Brazil and Italy -- Geomatics in Agriculture and Forestry: new advances and perspectives (GeoForAgr 2023) -- Enhanced map composition and diachronic land cover classification of Landsat data in Google Earth Engine -- Intra-network analysis based on the comparison between the graph theory approach and Pathwalker -- MEDALUS model evolutions and prospects Case study Sicily -- Predictive Modelling of Maize Yield Using Sentinel 2 data -- UAV LiDAR survey for forest structure metrics estimation in planning scenario. A case study on a laricio pine forest in the Sila mountains (southern Italy) -- Palm Tree Dataset Construction with Plant Height Estimation and Plant Counting Tasks -- Geographical Analysis, Urban Modeling, Spatial Statistics (Geog-An-Mod 2023) -- Grid-based generalisation of area polygons for automated application in small-scale statistical maps -- Natural Fracture Network Model using Machine Learning Approach -- Indicators engineering for land use changes analysis. A study on the Mediterranean coastal strip -- Agricultural crops and spatial distribution of migrants: case studies in Campania Region (Southern Italy) -- Agricultural crops and spatial distribution of migrants: case studies in Campania Region (Southern Italy) -- Mapping political extremism on Twitter in Brazil -- Increasing urban Sustainability designing vertical garden: theexperience of Pisticci Municipality (Southern Italy) -- The 15-minute city model: assessment of the socio-economic and environmental impacts associated with the location of essential amenities -- Spatial Multi-Criteria Analysis for identifying suitable locations for Green Hydrogen Infrastructure -- Urban regeneration in the age of transitions -- Emerging technology trends in geocomputation methods: a literature review -- Emerging technology trends in geocomputation methods: a literature review -- Transport and Logistics Performance Assessment: Beyond the Conventional Approach -- Agrovoltaic as a possible outcome to the difficult relationship between land use and photovoltaics. A case study from Puglia region -- Implementing a developed strategy for revitalizing industrial areas in crisis. The experience of the Tito industrial area in the Basilicata Region (southern Italy) -- Combining tourism revitalization with environmental regeneration through therestoration of Piano del Conte Lake in Lagopesole (Southern Italy) -- A Machine Learning Method for the Analysis of Urban Italian Mobility.

Sommario/riassunto

This nine-volume set LNCS 14104 – 14112 constitutes the refereed workshop proceedings of the 23rd International Conference on Computational Science and Its Applications, ICCSA 2023, held at Athens, Greece, during July 3–6, 2023. The 350 full papers and 29 short papers and 2 PHD showcase papers included in this volume were carefully reviewed and selected from a total of 876 submissions. These nine-volumes includes the proceedings of the following workshops: Advances in Artificial Intelligence Learning Technologies: Blended Learning, STEM, Computational Thinking and Coding (AAILT 2023); Advanced Processes of Mathematics and Computing Models in Complex Computational Systems (ACMC 2023); Artificial Intelligence supported Medical data examination (AIM 2023); Advanced and Innovative web Apps (AIWA 2023); Assessing Urban Sustainability (ASUS 2023); Advanced Data Science Techniques with applications in Industry and Environmental Sustainability (ATELIERS 2023); Advances in Web Based Learning (AWBL 2023); Blockchain and Distributed Ledgers: Technologies and Applications (BDLTA 2023); Bio and Neuro inspired Computing and Applications (BIONCA 2023); Choices and Actions for Human Scale Cities: Decision Support Systems (CAHSC-DSS 2023); and Computational and Applied Mathematics (CAM 2023).