

TerrAria was born in 1999 in Milan by the experience of a working group committed to the development of an innovative territorial-environmental information system capable of supporting the decision-maker in his planning function.

TerrAria now counts on the contribution of a close-knit and multi-disciplinary team with an articulated know-how: computer scientists, physicists, planners and environmental and energy engineers.

TerrAria's team is able to respond with qualified competence to the needs expressed by public bodies, research institutes and private operators in the field of environmental sustainability and energy efficiency, in the field of the strategic and impact assessments, and in the design and implementation of computer applications in these areas.

ISTITUTIONAL CUSTOMERS

- ↳ Lombardia and Basilicata Regions
- ↳ Environment Protection Regional Agency (ARPA) of: Lombardia, Emilia Romagna, Veneto, Friuli Venezia Giulia, Puglia
- ↳ Municipalities across Italy
- ↳ LI spa (IT Lombardy company)
- ↳ Finlombarda
- ↳ IL spa (Infrastructures Lombardy company)
- ↳ Mountain Communities
- ↳ Italian Provinces: Milano, Bologna, Roma, Firenze, Reggio Emilia, Mantova, Vicenza, Bolzano

COMMITTENZA PRIVATA

- ↳ Deerns Group
- ↳ Watts Industries Italia
- ↳ SIAP-MICROS
- ↳ Vodafone
- ↳ Consulenze Ambientali
- ↳ Altran
- ↳ Steris
- ↳ AECOM - URS Italia
- ↳ AMEC Foster Wheeler
- ↳ Novamont
- ↳ Cossi
- ↳ Progesi
- ↳ SIRAM
- ↳ Somet

CENTRI DI RICERCA

- ↳ JRC – Join Research Center
- ↳ CNR – National Research Center
- ↳ RSE – Energy System Research
- ↳ Universities of Bergamo and of Brescia
- ↳ Politecnico of Milan
- ↳ Brescia Catholic University
- ↳ University Bocconi – IEFE
- ↳ EUCENTRE

IT GOVERNANCE AND REPORTING

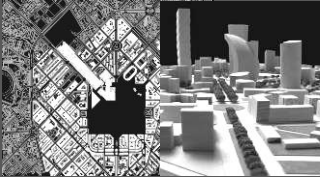
To meet the demand for synthetic and real time-updated information the IT business unit creates open source and multi-platform solutions ad hoc designed according to customer needs. Thanks to data warehousing techniques, the overall picture is returned via dashboards (charts, tables...) to support decision makers (DSS), plotted on interactive geographical maps. The WebGIS is the perfect platform and channel for the delivery of geo-referenced services (thematic maps ...).

ENERGY ENVIRONMENTAL ASSESSMENT

The area is responsible for estimating the environmental and energy impacts of human activities supporting policy makers both at the industrial and institutional levels in the definition of policies to reduce, mitigate and compensate pollution and dealing with energy efficiency. The ability to examine the environmental reality by analyzing and processing the data and especially through the modeling approach, allows facing different specialized and multidisciplinary themes, helping when possible with the raising of incentives and funding.

RESEARCH AND DEVELOPMENT

Thanks to the almost twenty years of experience in the two core fields, TerrAria for years has been investing substantial resources in innovation and research&development, in particular is very active in building partnerships for European and regional project calls, as coordinator, partner or subcontractor. Taking advantage of the many skills of its multidisciplinary team, TerrAria has participated in a consortium with other partners (ARPA, Universities, private companies ...) in LIFE projects, IEE, Interreg, FP7, funding MIUR, ERDF and other national and Europeans calls.



Environmental impacts study and assessment of industrial human activities (EIA) and settlement (SEA – strategic environmental assessment) through qualitative and quantitative assessments, as deterministic models (air and noise pollution...), emission-energy budgets of pollutants and greenhouse gases (CO₂), the evaluation of environmental compensation.

energy

Preparation of Action Plans for Sustainable Energy (SEAP) (www.co20.it) and energy audits for buildings and production companies. Energy efficiency and energy audits: path of "capacity building" for local authorities and for the private sector (www.ergapp.it).

European Project

Partners in several European projects: OPERA - Operational Procedures for Emission Reduction Assessment (www.operatool.eu): evaluation of effective policies to reduce emissions; APPRAISAL - Air Pollution Policies for Assessment of Integrated Strategies At regional and Local scales (www.appraisal-fp7.eu): integrated assessment for local and regional air quality policies; BIOMAXEFF (www.biomaxeff.eu) evaluates the environmental performance of technologically advanced models of biomass boilers. PULIZIA SCONFINATA (Cleaning Boundless), INTERREG, "Insubria Cleaning Boundless" System (www.puliziasconfinata.it). Italian Research & Development projects: SIMULATOR (www.simulator-project.it) (Smart Cities and Communities call) towards a smart and computerized management of the Civil Protection.



Operational consultancy for the development of systems and Web-based applications and service-oriented architectures (SOA) aimed to the elaboration and visualization of summary indicators useful for processes monitoring and management, using business intelligence techniques (BI), reporting and WebGIS. strategic Consulting for the detection of architectural and technological solutions.



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