

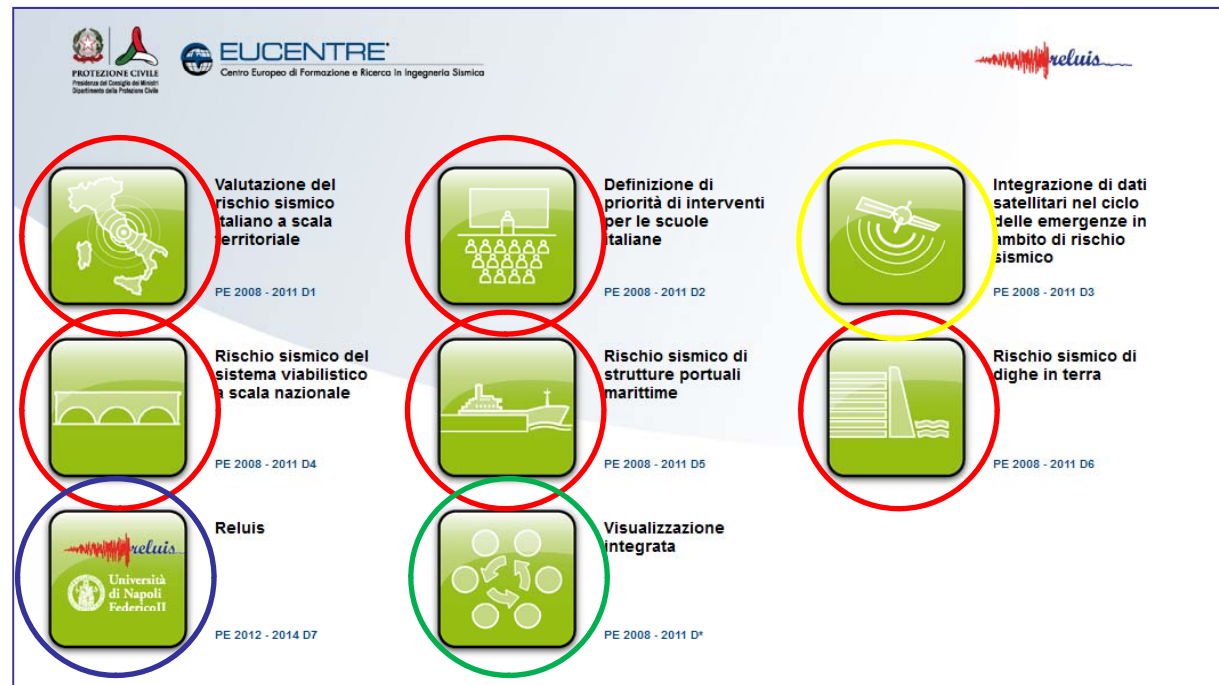
Territorial Management Systems

Dr. Barbara Borzi



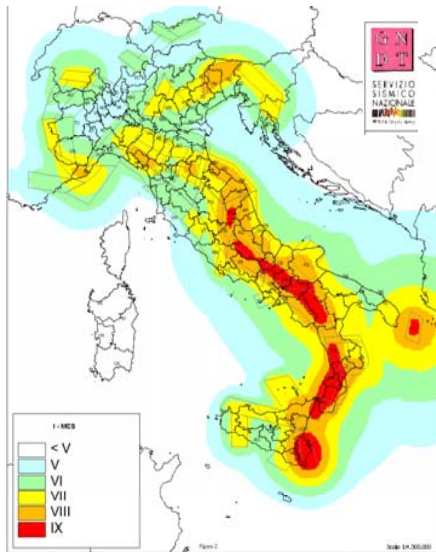
SYSTEM COMMISSIONED BY THE ITALIAN CIVIL DEPARTMENT:

- System for the evaluation of seismic risk of structures and infrastructures
- System aimed to the technological transfer of the results of other researcher groups
- System that integrate the main functionalities of all systems aimed to the seismic risk evaluation
- System for the post-earthquake recognition through satellite images



SYSTEM COMMISSIONED BY THE ITALIAN CIVIL DEPARTMENT:

Hazard



Vulnerability



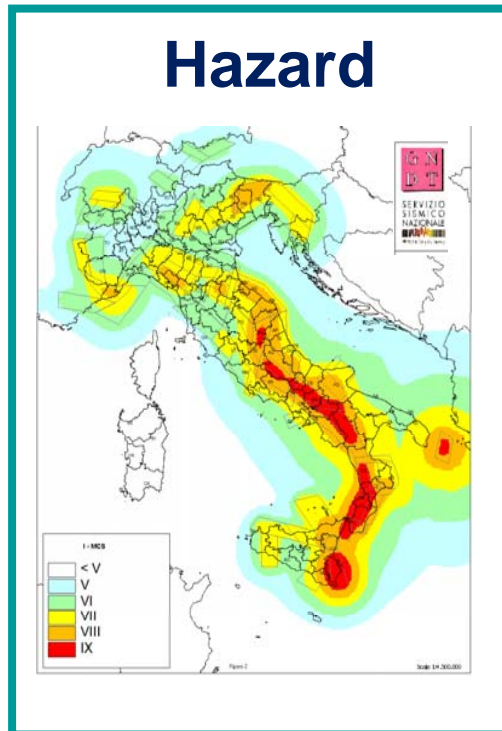
Exposure



Seismic Risk



SYSTEM COMMISSIONED BY THE ITALIAN CIVIL DEPARTMENT:



All systems make reference to the same seismic hazard study which has been undertaken by INGV with civil department funds and it is the reference for the Italian seismic code



SYSTEM COMMISSIONED BY THE ITALIAN CIVIL DEPARTMENT:

For vulnerability and exposure each system has an ad hoc data base

Vulnerability



Exposure



SYSTEM COMMISSIONED BY THE ITALIAN CIVIL DEPARTMENT:

Data base for vulnerability and exposure



Database ISTAT 2001



Data on 50.000 school buildings



Data on 17.000 bridges



Data on 178 earth dams



Data on 32 harbors



Data tabs

Strumenti di visualizzazione ed elaborazione

Gestione layer Ricerca Comune Legenda Scenario

Layers

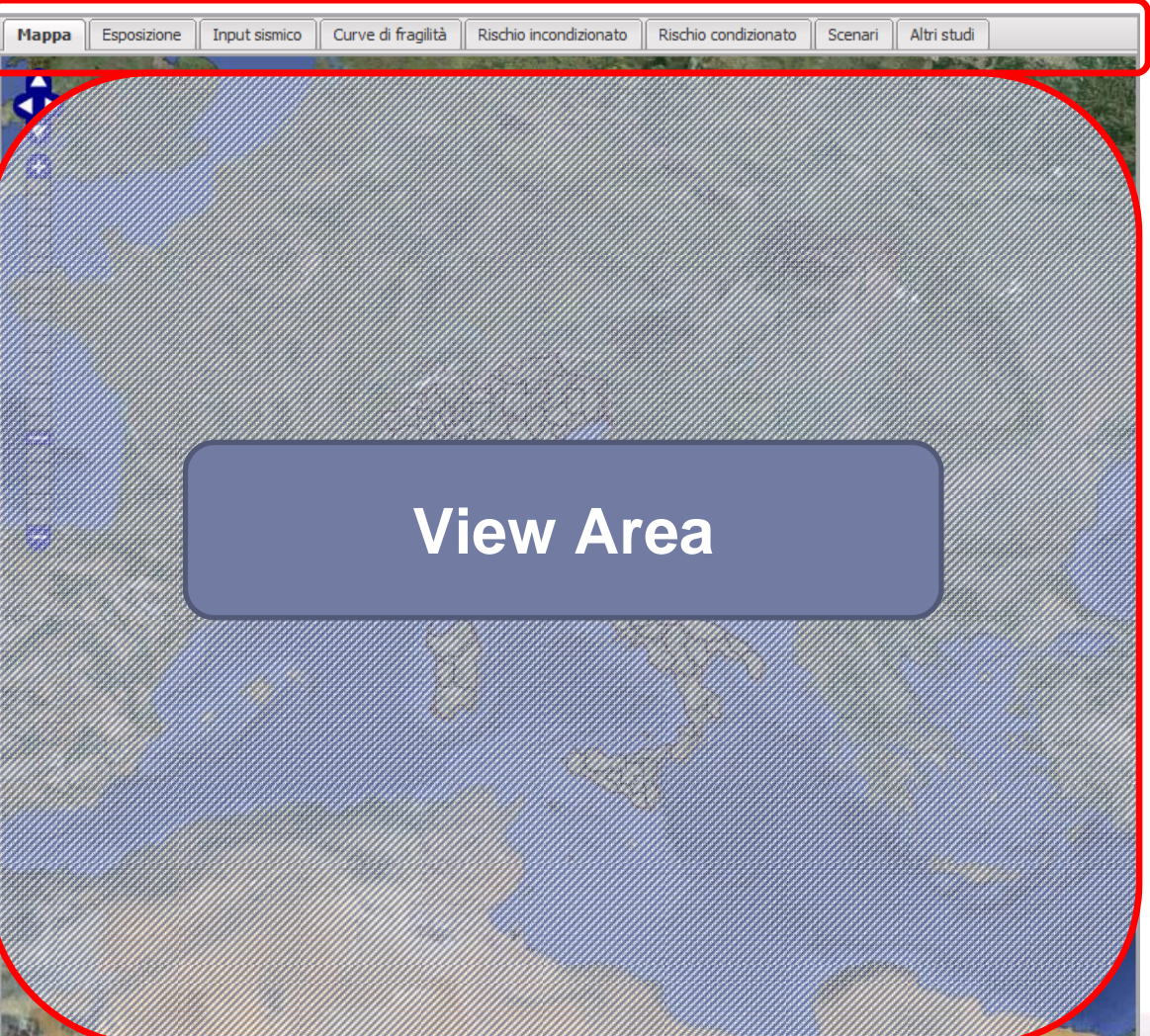
- Dati di base
 - Confini amministrativi
 - Comuni
 - Province
 - Regioni
 - Layer di base
 - Google Satellite
 - Elaborazioni

Esporta in Excel Esporta in Shapefile

Cambia tematizzazione

Aggiungi Layer

Mappa Esposizione Input sismico Curve di fragilità Rischio incondizionato Rischio condizionato Scenari Altri studi

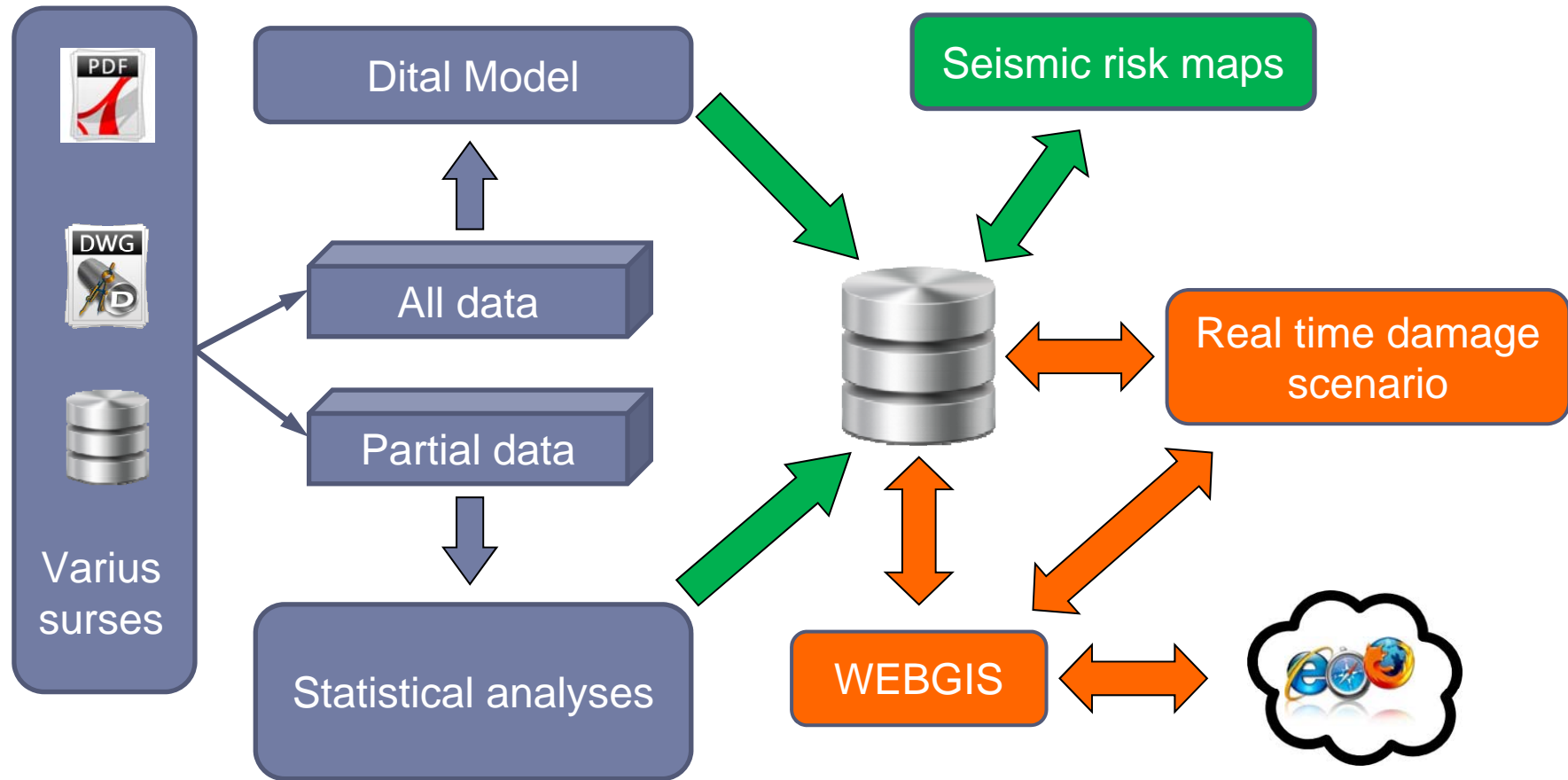


View Area

View tools and analysis tools

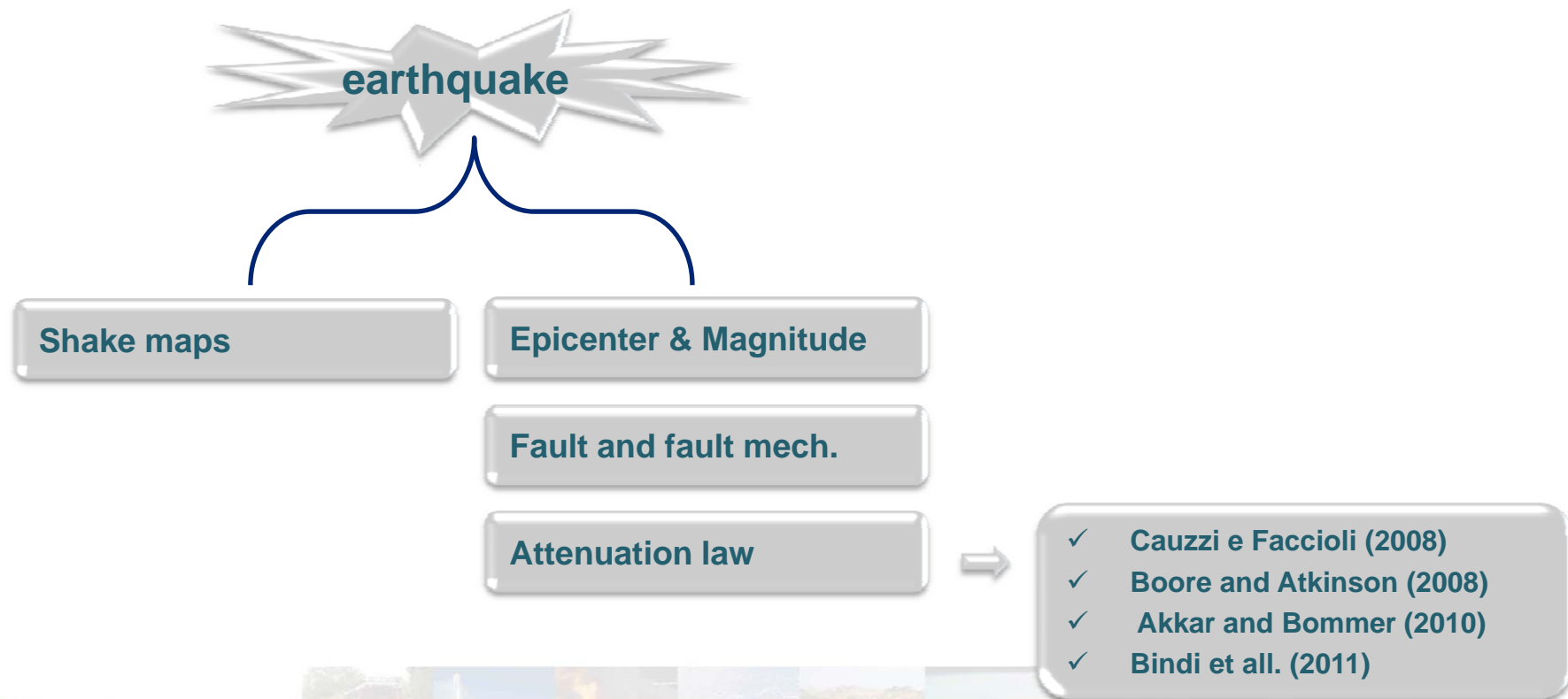


SYSTEM COMMISSIONED BY THE ITALIAN CIVIL DEPARTMENT:



SYSTEM COMMISSIONED BY THE ITALIAN CIVIL DEPARTMENT:

All systems integrate a tool for the real time damage scenario in case of the occurrence of an earthquake



SYSTEMS DEVELOPED FOR THE PUBLIC ADMINISTRATIONS:

- ✓ **GIPE: Gestione Informatica Pratiche Edilizie – Management system for building paperwork**



The screenshot shows the header of the SI-ERC website. On the left is the logo of the Regione Calabria Dipartimento N° 9, which includes a stylized cross and a water drop. The text next to it reads: "REGIONE CALABRIA DIPARTIMENTO N° 9 INFRASTRUTTURE - LAVORI PUBBLICI POLITICA DELLA CASA E.R.P. - A.B.R. RISORSE IDRICHE - CICLO INTEGRATO DELLE ACQUE". To the right is the SI-ERC logo with the version number "V.1.0". Below the header is a navigation bar with buttons for "Torna alla Home", "Help", "Modulistica", "Ulteriori Informazioni", and "F.A.Q.". The main content area displays the text: "Benvenuti nel SI-ERC" and "Sistema Informatico - Edilizia Regione Calabria".

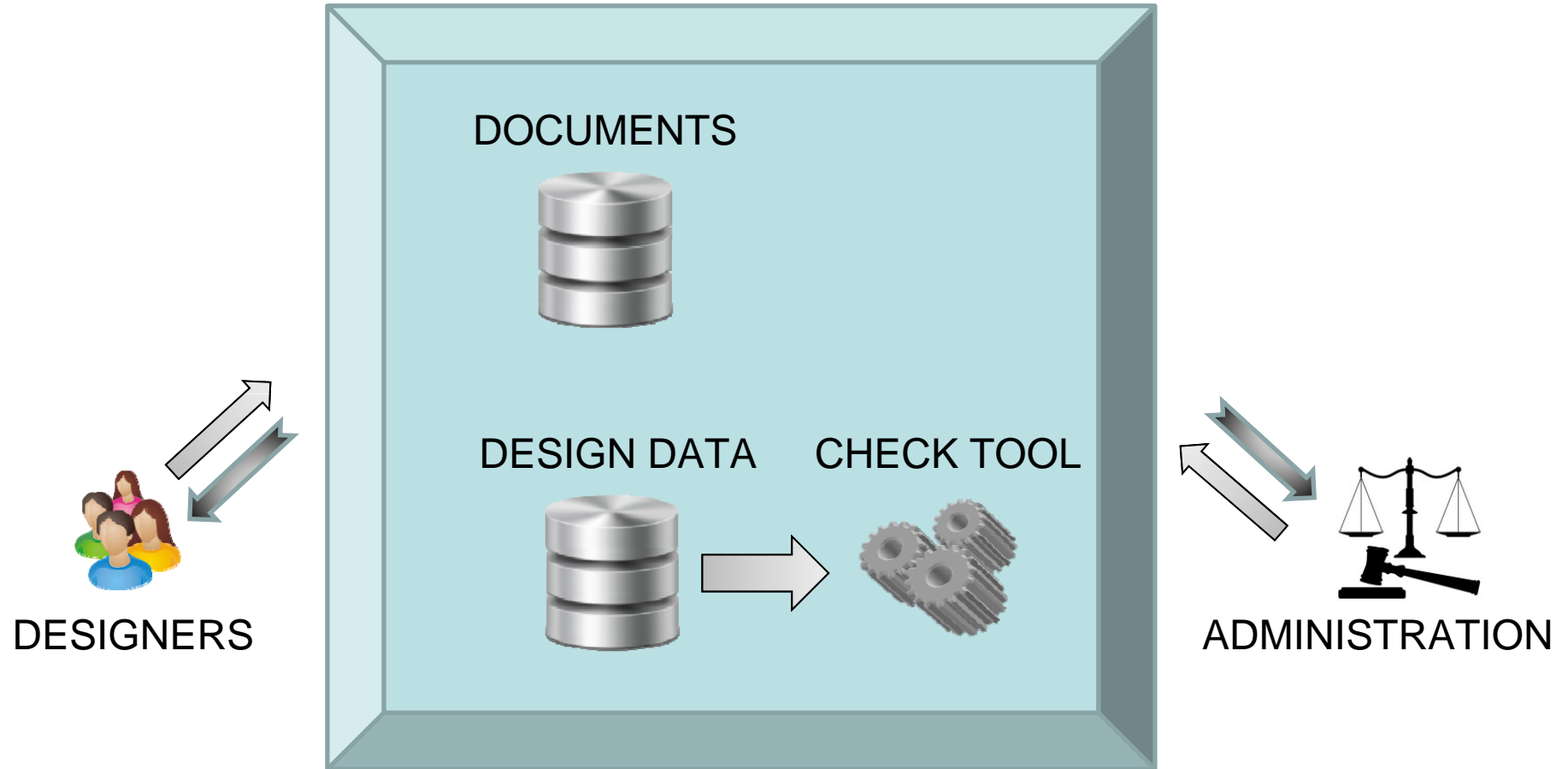
- ✓ **Management tool for micorzonation studies**



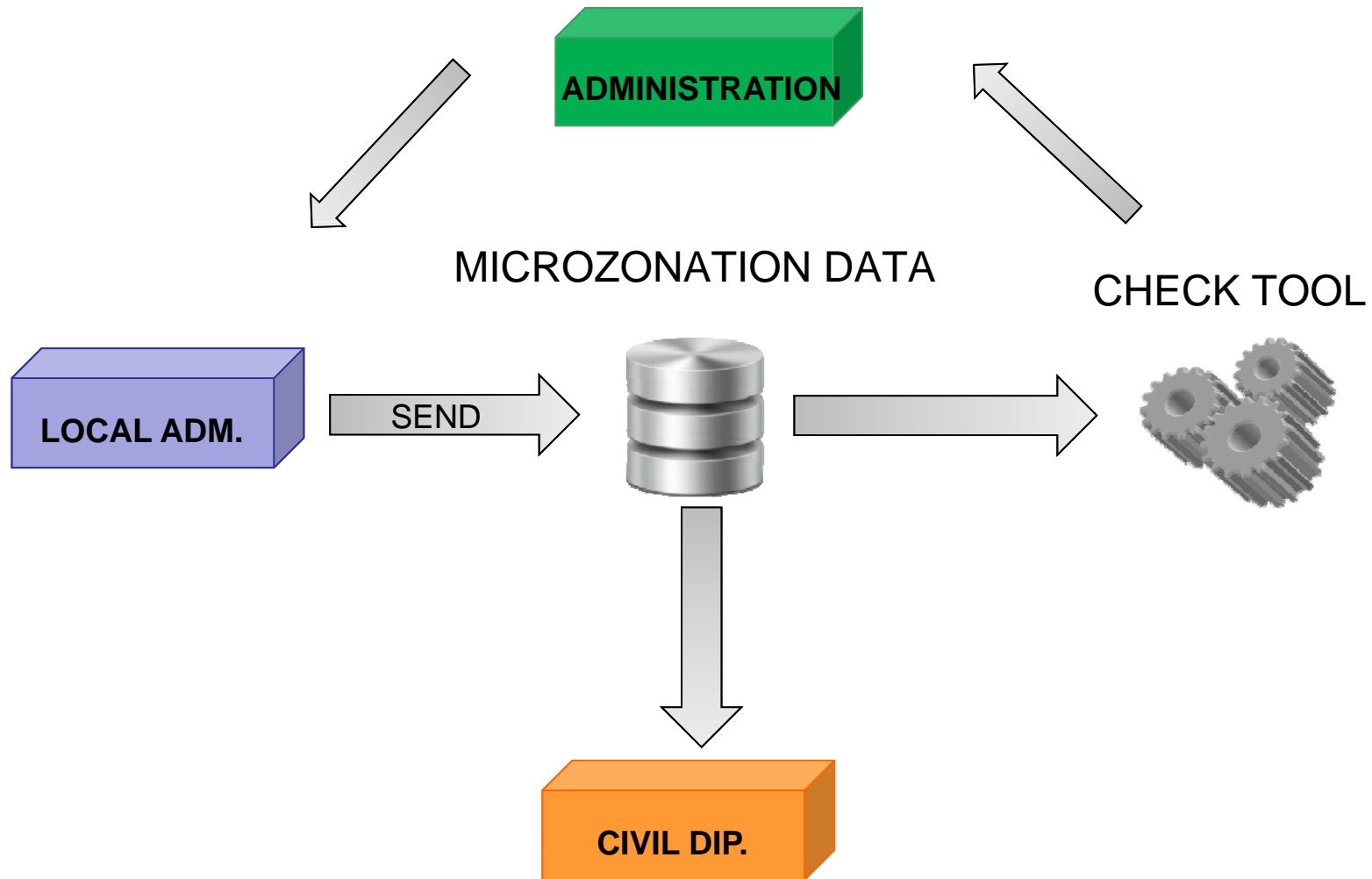
The screenshot shows the header of the SI-TERC website. On the left is the logo of the Regione Calabria Dipartimento N° 9. The text next to it reads: "REGIONE CALABRIA DIPARTIMENTO N° 9 INFRASTRUTTURE - LAVORI PUBBLICI POLITICA DELLA CASA E.R.P. - A.B.R. RISORSE IDRICHE - CICLO INTEGRATO DELLE ACQUE". To the right is the European Union flag and the text: "Progetto finanziato con risorse del POR Calabria FESR 2000-2006". Further right is the SI-TERC logo with the text "Sistema Informatico - Territoriale Regione Calabria". Below the header is the text: "Benvenuti nel SI-TERC" and "Sistema Informatico Territoriale Regione Calabria". The version number "Versione 1.0" is located in the bottom right corner of the header area.



Management System for Building Paperwork



Management System for Microzonation Studies



Thanks for your attention

