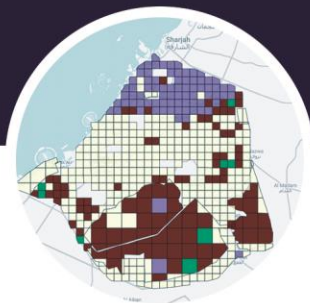


eSpecia

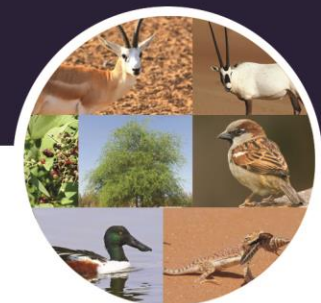
The Biodiversity Application



Smart and innovative



Powerful Map Tools



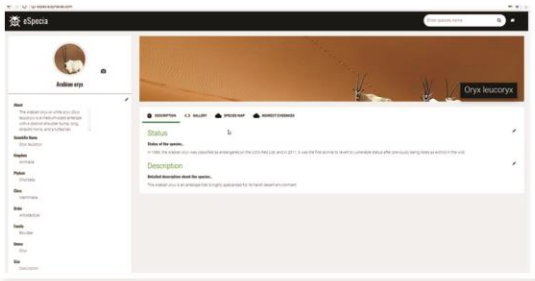
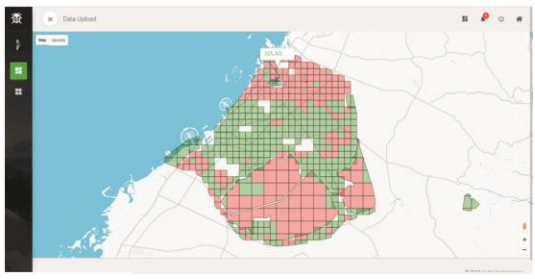
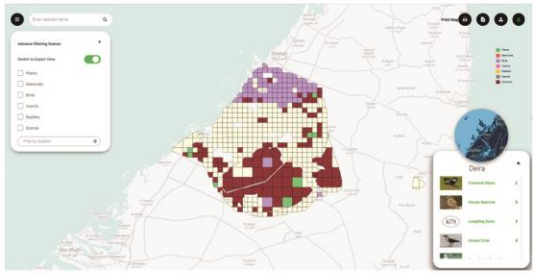
Secured GIS Database



TRIDEL TECHNOLOGIES
 Geoscience | Geoinformatics | Geoengineering

eSpecia

The eSpecia is a comprehensive, data mapping and management system which stores, manages and presents species records. The data, which supports evidence-based assessments of biodiversity, is made available in formats useful to planners, researchers, government and non-governmental organisations, and to the public.



Features

- 🐾 Data presentation with a dynamic mapping interface
- 🐾 Simultaneous handling of land- and sea-based records
- 🐾 Ability to view several species simultaneously, and can explore overlap between species for coincidence mapping
- 🐾 Time filtering of data to detect presence of species over a number of years or for a particular season
- 🐾 Presentation of data at various resolutions dependant on user permissions
- 🐾 Ability to add supporting map layers, e.g. aerial imagery, designated areas and geology
- 🐾 Query tools for information on a record, area, designated site basis or other map feature
- 🐾 Comprehensive metadata system displaying details on datasets and distribution of records over time
- 🐾 Data Import/Export, supports xls, csv, PDF.
- 🐾 Live Camera integration, live monitoring
- 🐾 Project Videos, time lapse
- 🐾 Secured GIS Database (PostGIS)
- 🐾 Secondary data integration/Data archiving.
- 🐾 Powerful Map Tools / Map Printing
- 🐾 Manual and automated reporting tools.
- 🐾 Expert user screens

eSpecia is reinforced by a geo referenced database system in PostGIS, the PostgreSQL extension for GIS. The centralized geographically referenced data base system consisting data from fields including biologically significant or important species, habitats and ecosystems. The GIS database system allows data collection from numerous ways/locations/methods as well as management and remote access. The centralized database system will provide long-term archiving, reporting and its data serve as input parameters for live update of Biodiversity study and GIS applications.