

ZAMIADROID: Field registration of biological data using mobile devices





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Motivation

Reduce observations' registering time

Benefit from new technologies

Goals

Software created for mobile devices:

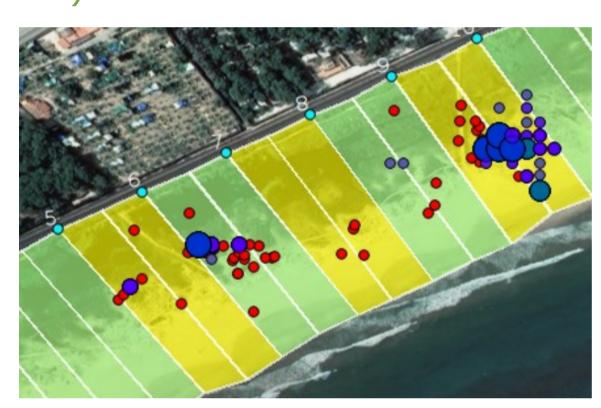
Register biological field data
Access to published information

Data formats



	Α	В	С	D	E	F
1	CitationCoordinates	SecondaryCitationCo	Date	Taxon	Altitud	David Martí
2	41.64851804521501	31TDG2111711186	2011-mai-03 10:56:32	Ruscus aculeatus L.	446	David Martí
3	41.64852021072443	31TDG2111711186	2011-mai-03 10:56:54	Quercus ilex L. subsp. ilex	448	David Martí
4	41.64922223634608	31TDG2109611265	2011-mai-03 11:01:36	Teucrium botrys L.	448	David Martí
5	41.64923849958162	31TDG2108611267	2011-mai-03 11:02:21			David Martí
6	41.64930945688707	31TDG2109511274	2011-mai-03 11:02:40	Arenaria conimbricensis Brot. subs	445	David Martí
7	41.64917604893108	31TDG2109711260	2011-mai-03 11:03:22	Euphorbia exigua subsp. exigua L.	466	David Martí
8	41.65112913998959	31TDG2098411478	2011-mai-03 11:12:20		453	David Martí
9	41.65168790082783	31TDG2093111540	2011-mai-03 11:20:36	Helleborus foetidus L.	458	David Martí
10	41.65174514203215	31TDG2092611547	2011-mai-03 11:21:10	Celtis australis L.	458	David Martí
11	41.65167187334656	31TDG2076811540	2011-mai-03 11:26:43	Cytisophyllum sessilifolium (L.) O.	460	David Martí
12	41.65166769714136	31TDG2076311540	2011-mai-03 11:28:33	Valeriana excelsa Poiret	461	David Martí
13	41.65157796606508	31TDG2075511530	2011-mai-03 11:30:13	Alliaria petiolata (Bieb.) Cavara et	463	David Martí
7.4	41 65177605700076	2172000000000000				Devided Manual/

GIS (KML)



Fagus and Quercus-Vegana)

Fagus provides an efficient method to enter floristic citations

Quercus is oriented to the creation and management of relevés.

Databases

Access to biological records and photos for concrete species

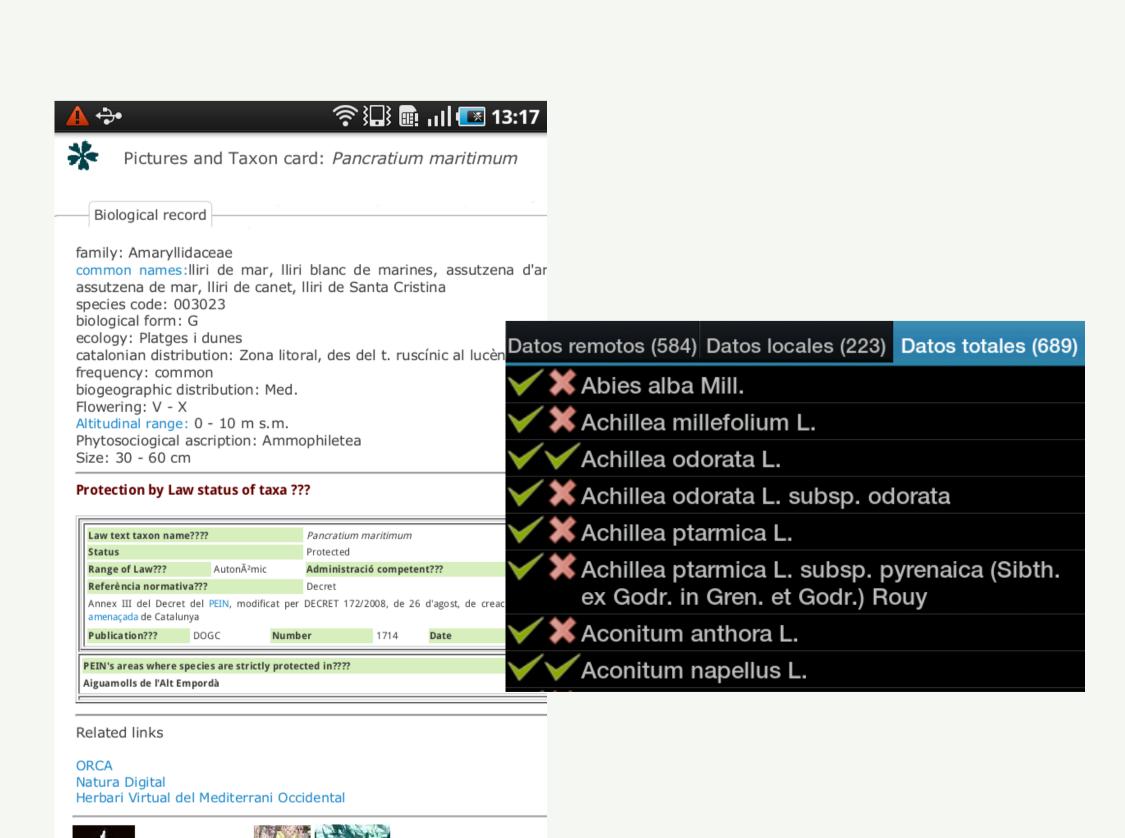
Presences' grid export

Access to a set of species from:

Biodiversity data bank of Catalonia (BDBC)

Iberian and Macaronesian Vegation Information System (SIVIM)

Global Biodiversity Information Facility (GBIF)

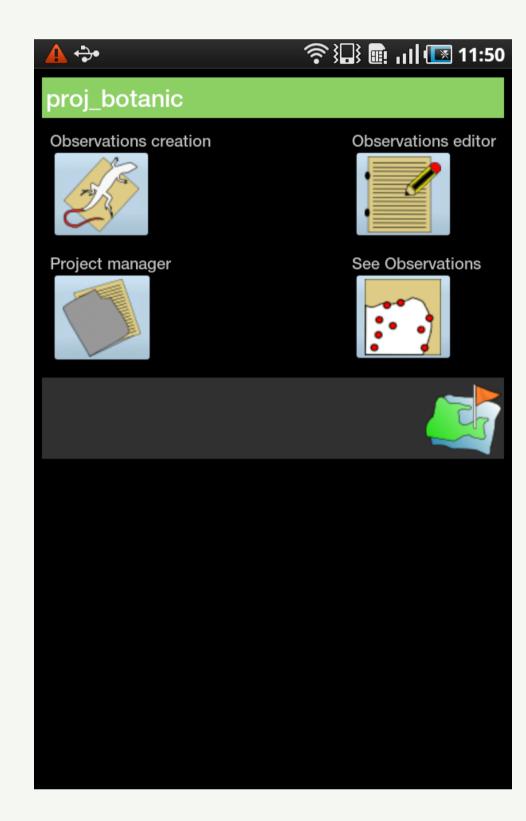


ZamiaDroid is **openSource** software, everybody can use it in a free way, study it and adapt it to their own needs.

Main Idea







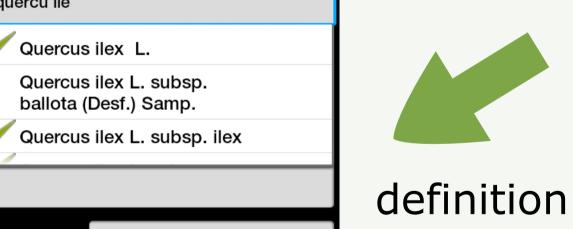








ExcursioMola_Fagus





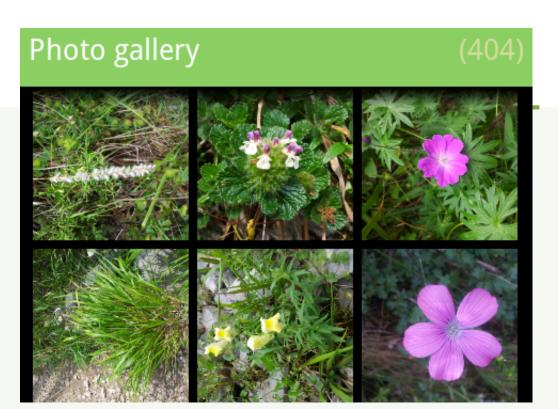




Remote server: projects and thesaurus

Multilingual Interface: Catalan, Spanish, English & French

Image gallery



Main concepts

Default data

Geo-location (degrees | UTM)

Date and time

Altitude

Custom data

Fields defined by the user



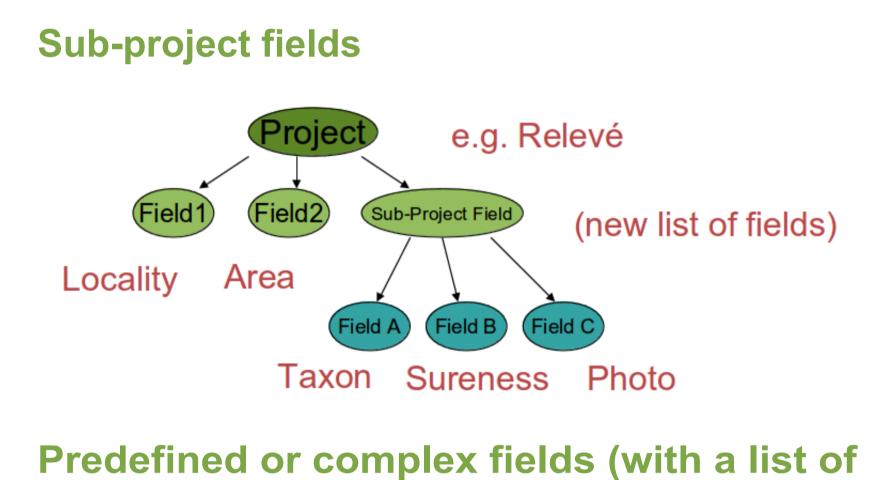
(forms)



Field types

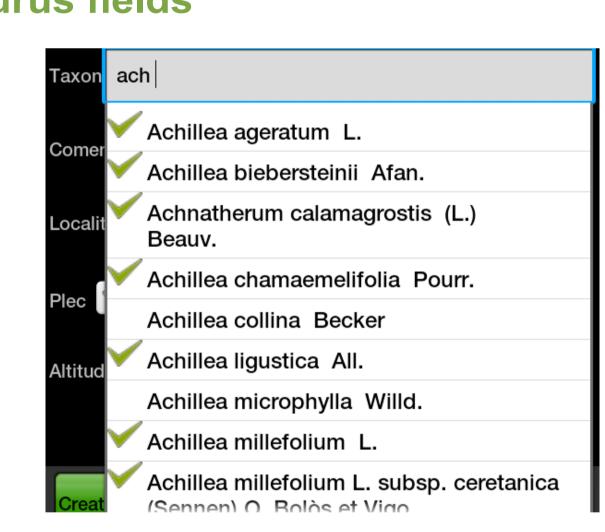
Free fields (text, numerical or boolean)

Photo fields



items)

Thesaurus fields



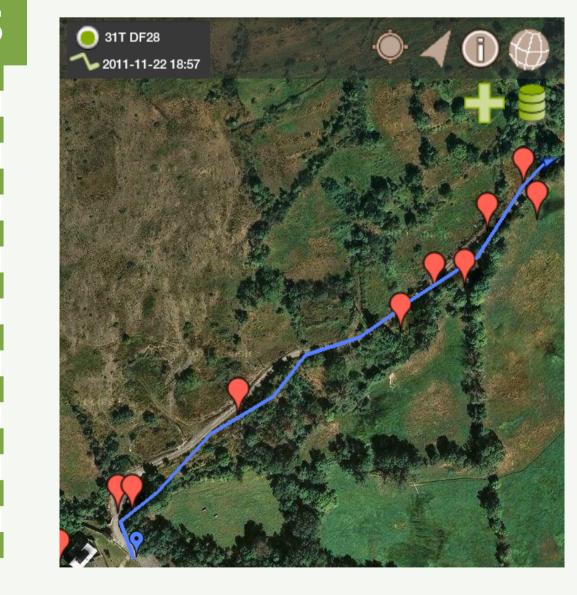
Маря

Observation info, scale, location and walking direction

Observation creation on the map

UTM grid and Database connection

Record GPS tracks







http://biodiver.bio.ub.es/zamiaDroid/ zamiadroid@gmail.com

https://play.google.com/store/apps/details?id=uni.projecte