



IrisBG—Collection management

Easy mapping of your collection with IrisBG

Øyvind Rustan, IrisBG/Compositae AS

PlantNetworks' Plant Records Meeting 2020, Oct. 7th.
"Mapping and new technologies"



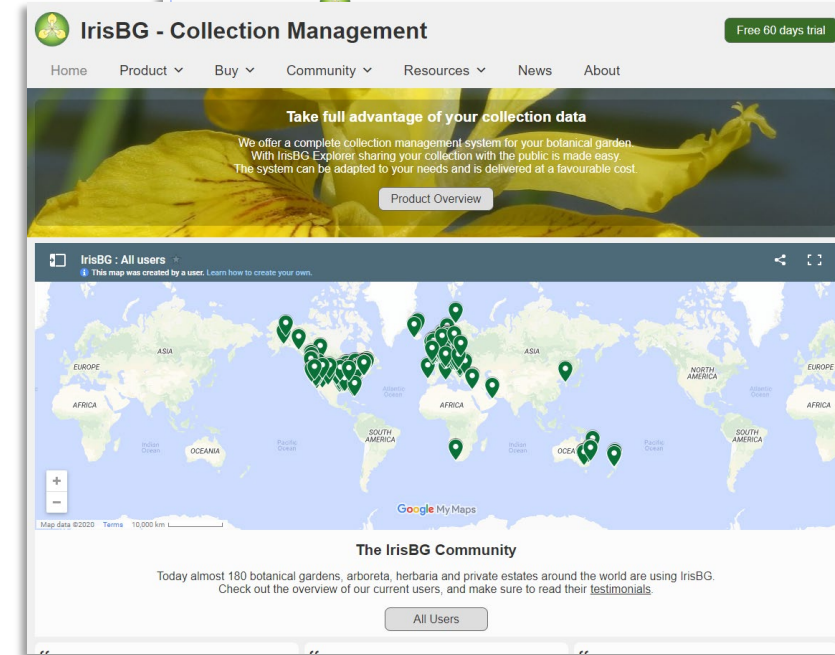
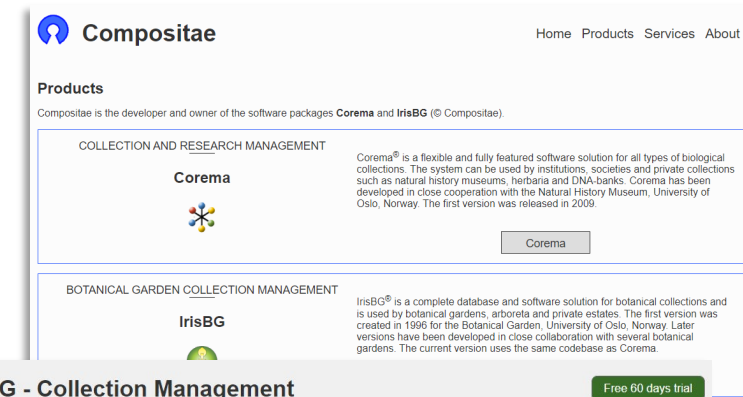
PlantNetwork
Connecting gardens, sharing skills

2018-03-31 S.G. - ROCKSIRØH
2018-03-31
LINARIA
TURKIS
LURIDA

IrisBG

– A brief introduction

- The first version of [IrisBG](#) was developed in 1996 for Oslo Botanical Garden.
- IrisBG is delivered by [Compositae AS](#) (Ltd), a Norwegian software company established by Øyvind Rustan in 1998.
- Since then, IrisBG has been developed into a fully featured collection management system for botanical gardens.
- The current version 4 is used by [180+ gardens worldwide](#).



Background

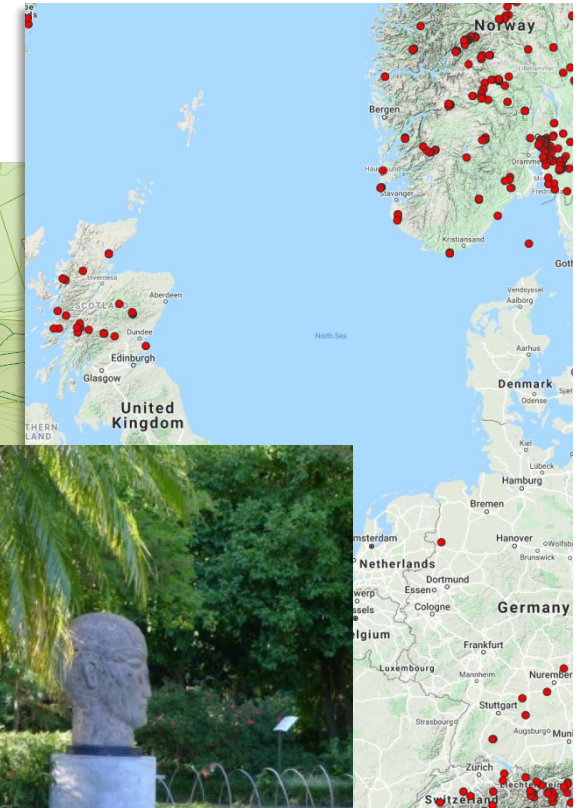
- For a long period, mapping was something for the experts
- You had to know (almost) all about coordinate systems, projections, transformations, etc.
- This completely changed with the introduction of internet maps from Google, Bing, and others
- Maps and GPS are now available almost everywhere

- *How do we make mapping easy for the gardens?*



What can you map in IrisBG?

- Your plants
 - ✓ Start with large, long-lived ones (= trees)
- Your locations (areas)
 - ✓ It's not necessary to map all plants
- Garden features such as benches and art
 - ✓ Including memorials and dedications
- Wild collection localities
 - ✓ Record and check the data



How to map in IrisBG?

The easiest way:

- Open the map and drag the marker to the correct position

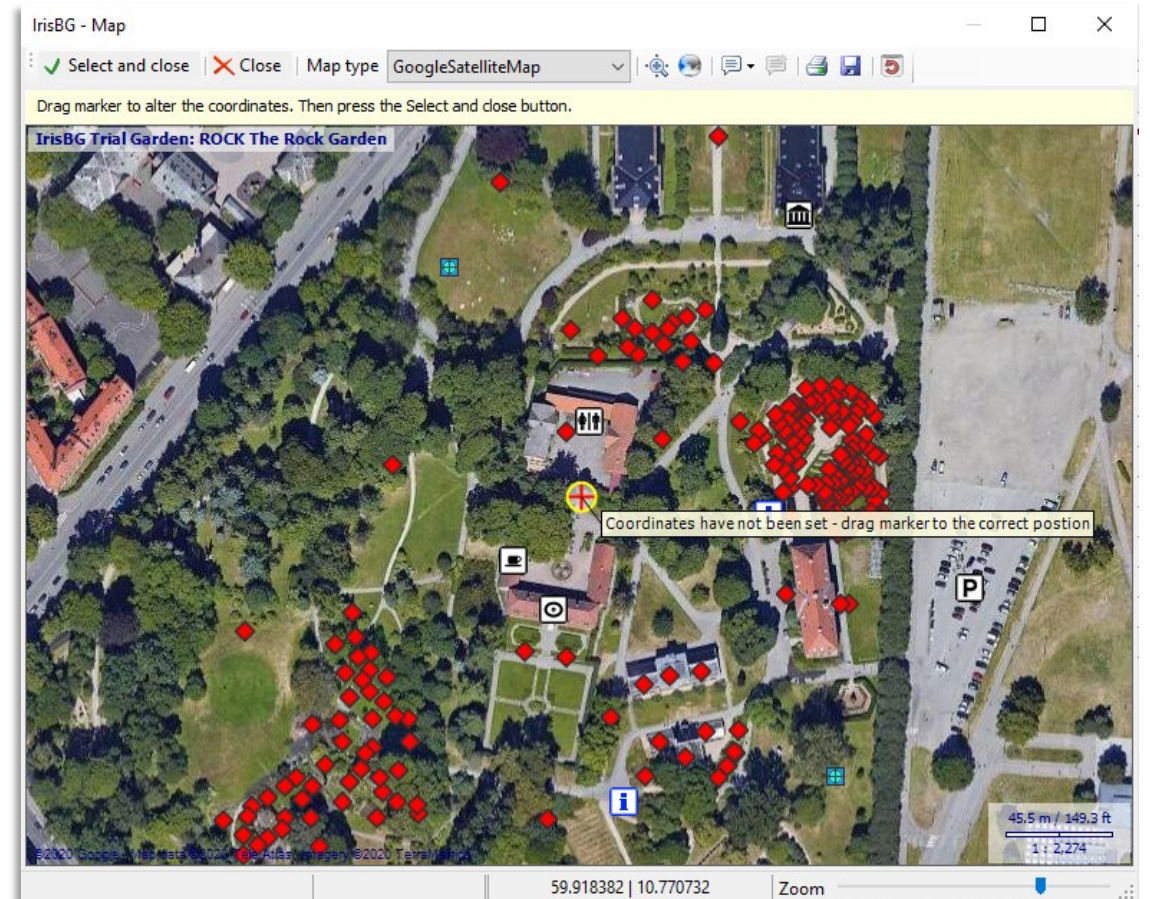
A little more work:

- Use an external device (mobile phone) with GPS and record positions while out in the garden
 - Transfer the coordinates back into IrisBG
 - Several solutions with various degrees of automation and costs can be used. Examples:
 - ✓ IrisBG ArcGIS Sync
 - ✓ Floria
 - ✓ GPS loggers + IrisBG Data Import module

Possible, but not recommended

- Manually record coordinates in a spreadsheet for import into IrisBG

[Demo: Map a garden location with IrisBG Mapping]



The capabilities of Mapping in IrisBG

- Use the map type you prefer and view the maps in IrisBG.
 - ✓ Internet maps such as Google and Bing.
 - ✓ Your own map hosted on a map server (WMS).
- Update the underlying data by clicking a marker.

[DEMO: Create a map with wild localities + update an accession item from a map]

- Transfer the data to your [Web Explorer \(Garden Explorer\)](#) and share your collection with the public.
- Export the data in various file formats for use in other computer programs.

The screenshot displays the IrisBG website interface. At the top, there are four featured garden images: 'de hortus Hortus Botanicus Amsterdam - anno 1638', 'Belmonte Arboretum Wageningen', 'Arboretum and Botanical Garden', and 'BOTANISKA GOTHENBURG BOTANICAL GARDEN'. Below these is a search bar with the text 'Search a plant' and a 'Search' button. The main content area shows a 'Select tour' dropdown menu with 'Tour en Français: Joyaux de la Couronne' selected. Below the dropdown, there are three tour cards: 'Laburnum anagyroides' (1), '01. Winter Garden' (2), and 'Chaenomeles speciosa' (3). Each card includes a small image and a brief description. On the right side, there is a map of the Leiden Botanic Garden with numbered markers (1-16) indicating the locations of the tours. The map includes a scale bar (0-200m) and a north arrow.



Make your audience happy

Share your garden with the public

Examples from [Web Explorer](#)

[*DEMO: of Web Explorer as per below links*]

- [Plants and locations](#) (Oslo Botanical Garden)
 - ✓ View images, text and location simultaneously
- [Features](#) (Smithsonian Gardens)
 - ✓ Highlight memorials and art
- [Tours](#) (Hortus Botanicus Leiden)
 - ✓ Great for education and self-guiding

The screenshot displays the IrisBG Explorer web application. At the top, the logo and text "IrisBG Explorer" are visible, along with the instruction "Select Region and Explore the Gardens & Arboreta". Below this, there are two navigation buttons: "America" and "Europe", each accompanied by a globe icon. The main content area is a grid of six cards, each representing a different garden or arboretum. Each card includes a title, a small image, and a brief description of the location.

Region	Garden/Arboretum	Location
America	de hortus	Hortus Botanicus Amsterdam - anno 1638
	Belmonte Arboretum	Wageningen, The Netherlands
	Arboretum and Botanical Garden	University of Bergen, Norway
Europe	BOTANISKA	Gothenburg Botanical Garden, Gothenburg, Sweden
	Universiteit Leiden	Hortus botanicus, Leiden, The Netherlands
	Botanischer Garten	Botanic Garden - Johannes Gutenberg-Universität Mainz, Germany





Thanks for watching!

www.irisbg.com

www.gardenexplorer.org/

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