SPECCHIO

Release Notes

Version: 3.03.0.0

Date: 29.10.201330.06.2014

Status: Approved

Authors: P. Roberts & N. Sheppard (Intersect)

File: SPECCHIO\_ReleaseNotes.docx

Pages: 5

Classification:

Distribution: SPECCHIO UsersSPECCHIO Users

::::RSL_logo_new.pdf

# Introduction

SPECCHIO is a spectral database combined with user-friendly interface software designed to store spectral data acquired by spectroradiometers and associated metadata.

SPECCHIO was first developed at the Remote Sensing Labs at the Geography Department, University of Zurich to support long term usability and data sharing between researchers. It was then further enhanced through a project run by the University of Wollongong in 2012/2013. This project was supported by the Australian National Data Service (ANDS). ANDS is supported by the Australian Government through the National Collaborative Research Infrastructure Strategy Program and the Education Investment Fund (EIF) Super Science Initiative.

SPECCHIO is an Italian word meaning “mirror” or “looking glass”. It can also be used to refer to a table of data or a scoreboard.

## Document scope

SPECCHIO uses a Client-Server architecture. This User Guide details operation of the Client component of SPECCHIO only.

## Intended audience

This document assumes that readers are familiar with...

* remote sensing and the disciplines and processes related to it.
* the general operation of their own computer.
* the general concept of a client-server architecture.

## SPECCHIO ownership and access

SPECCHIO was originally built by the Remote Sensing Laboratories at the University of Zurich, and extended by Intersect for the School of Earth and Environmental Sciences at the University of Wollongong.

## Copyright and licensing

SPECCHIO is licensed under the Creative Commons Attribution-ShareAlike 3.0 Unported Licence. Therefore its source is readily available for inspection and development. It can be found in LICENCE.html and at http://creativecommons.org/licenses/by-sa/3.0/.

## For Further Information

Please refer to the following documents for more information about SPECCHIO. Unless otherwise stated, they can be found in the SPECCHIO Installation kit.

**SPECCHIO\_ReleaseNotes.pdf** can be found in each Installation Kit and provides installation instructions for the SPECCHIO Client.

**SPECCHIO\_Tutorial.pdf** provides instruction in the operation of key areas of the SPECCHIO Client.

**SPECCHIO\_ServerInstallation.pdf** provides system administrators with information to assist in managing and maintaining a SPECCHIO Server System.

**SPECCHIO Web Site (**[www.specchio.ch](http://www.specchio.ch)) General information about SPECCHIO. Some of this information may be related to other non-UOW versions of SPECCHIO.

**SPECCHIO UoW (**https://specchio.uow.edu.au)Installation kits for University of Wollongong version of the SPECCHIO Client and documentation for that version.

**SPECCHIO GitHub (**<https://github.com/IntersectAustralia/dc10>) Source code for the University of Wollongong version of SPECCHIO.

# Installation and Configuration

## Before you install

SPECCHIO requires that Java Runtime Environment (JRE) version 1.6 or higher is already installed on your computer before installing SPECCHIO itself. To check the Java version on your system open a command window under Windows, or a terminal for Macintosh or UNIX systems, and type:

java -version

The output will be similar to:

java version "1.7.0\_17"

Java(TM) SE Runtime Environment (build 1.7.0\_17-b02)

Java HotSpot(TM) Client VM (build 23.7-b01, mixed mode, sharing)

If you do not have Java installed, or the version number is less than 1.6, you should install an appropriate version of the Java Runtime Environment (JRE) from the internet at <http://www.oracle.com/technetwork/java/javase/downloads/index.html>.

## Installing the SPECCHIO Application Bundle

### Installing SPECCHIO for the First Time

The SPECCHIO application plus the libraries it uses are supplied as an application bundle in JAR file format. The installation bundle is usable on Windows, Mac and Unix systems.

1. Open specchio-client-installer.jar by double-clicking on it, or executing java -jar specchio-client-installer.jar from the command line.
2. Follow the prompts to install the software into a directory of your choice.

### Upgrading an Existing Installation

You can upgrade an existing installation by following the same procedure as for a new installation. Just install the new version of SPECCHIO into the same folder as your existing installation. You may wish to create a backup of your existing installation first.

## Creating a User Account on specchio.uow.edu.au

The University of Wollongong hosts an instance of the SPECCHIO database from which collections can be published to Research Data Australia (RDA). If you wish to publish collections in RDA, you can use the database details below. See the SPECCHIO User Guide for further information on SPECCHIO user accounts.

|  |
| --- |
| Web Application Server: specchio.uow.edu.au  Port: 443  Application Path: /specchio\_service |

1. Change History

V3.0.2

DC10-307 Added support for multi-user installations

DC10-309 Checked for the existence of mandatory fields before submission to RDA

DC10-310 Improved collection descriptions submitted to RDA

DC10-311 Fixed the party description submitted to RDA

DC10-312 Fixed the isCollectorOf data submitted to RDA

DC10-313 All spectra in a collection are now checked for collection data

DC10-314 Auto-generated a data usage policy if none exists for RDA

DC10-315 Fixed generation of RDA collection identifiers

DC10-316 Changed the RDA originating source to www.uow.edu.au

DC10-317 Re-publishing the same spectra now re-uses the same collection key

DC10-318 Fixed handling of control characters in ASD files

DC10-319 Removed descriptions from related object data submitted to RDA

DC10-320 Removed publications from related information submitted to RDA

DC10-321 Removed the date from the location data submitted to RDA

DC10-322 Removed citation information from the data sent to RDA

V3.0.1

DC10-301 Added a researcher description field for Research Data Australia

DC10-302 Corrected a JAXBException when viewing an instrument picture

DC10-303 Preserved db\_config.txt when upgrading an existing installation

DC10-304 Corrected account name generation for names containing punctuation

DC10-306 Cleared the progress message when loading campaign data fails