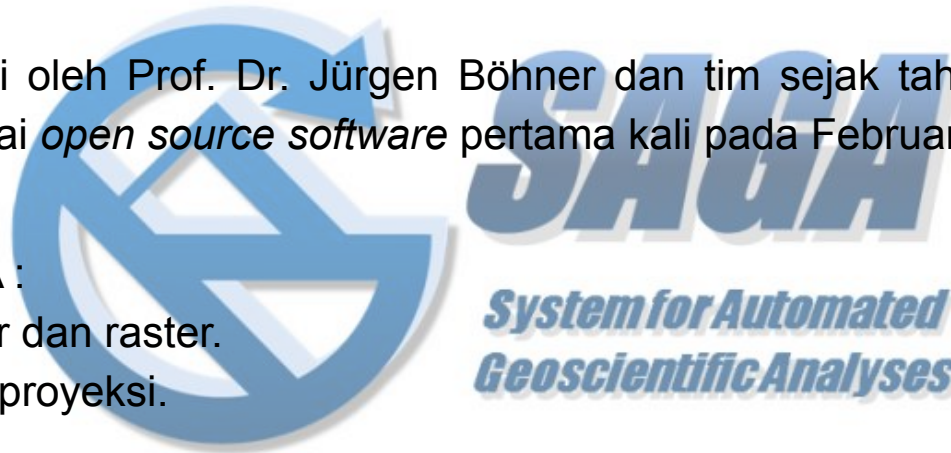


Pengenalan SAGA **System for Automated Geoscientific Analyses (SAGA)**

Disusun oleh **Martines Pasaribu**

Apa itu SAGA? ¹

- **System for Automated Geoscientific Analyses** atau **SAGA** merupakan perangkat lunak berbasis *open source* (*Free Open Source Software*) yang digunakan untuk mengolah dan mengatur data spasial berlandaskan penginderaan jauh dan Sistem Informasi Geografis (SIG).
- Dikembangkan pertama kali oleh Prof. Dr. Jürgen Böhrner dan tim sejak tahun 1990 di Departemen Geografi Fisik, Göttingen. Rilis sebagai *open source software* pertama kali pada Februari 2004.
- Modul dan tools pada SAGA :
 - Analisis dasar data vektor dan raster.
 - Georeferensi dan sistem proyeksi.
 - Pengolahan data citra.
 - Terrain analysis.
 - Geostatistik.
 - Data import dan ekspor.
 - Visualisasi 3D.
 - Layouting peta.



SAGA sebagai Plugin QGIS ²

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Processing Saga NextGen Provider

Plugin ID: 1666

A Processing provider for SAGA 9.1

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Version		QGIS >=	QGIS <=			Date
1.0.0	-	3.22.0	3.99.0	241722	ndawson	Sep 25, 2023, 07:40 AM GMT+8
0.0.7	-	3.4.0	3.99.0	103359	ndawson	Dec 9, 2021, 11:58 AM GMT+8
0.0.6		3.4.0	3.99.0	5465	ndawson	Mar 24, 2021, 08:18 AM GMT+8
0.0.5		3.4.0	3.99.0	1561	ndawson	Nov 3, 2020, 01:51 PM GMT+8
0.0.4		3.4.0	3.99.0	456	ndawson	Oct 21, 2020, 02:24 PM GMT+8
0.0.3		3.4.0	3.99.0	3555	ndawson	Mar 7, 2019, 06:08 PM GMT+8
0.0.2		3.4.0	3.99.0	261	ndawson	Mar 7, 2019, 01:48 PM GMT+8
0.0.1		3.4.0	3.99.0	436	ndawson	Mar 5, 2019, 09:37 AM GMT+8

- SAGA Next Gen
 - Climate tools
 - Georeferencing
 - Geostatistics
 - group_files
 - I/O
 - Image analysis
 - imagery
 - imagery_isocluster
 - imagery_photogrammetry
 - io_pdal
 - io_virtual
 - io_webservices
 - Point clouds
 - polygon_tools
 - Projections and Transformations
 - Raster analysis
 - Raster calculus
 - Raster creation tools
 - Raster filter
 - Raster tools
 - sim_air_flow
 - sim_erosion
 - sim_geomorphology
 - sim_landscape_evolution
 - Simulation
 - ta_cliffmetrics
 - Terrain Analysis - Channels
 - Terrain Analysis - Hydrology
 - Terrain Analysis - Lighting
 - Terrain Analysis - Morphometry
 - Terrain Analysis - Profiles
 - terrain_analysis
 - toolchains
 - tta_tools
 - Vector <-> raster
 - Vector general
 - Vector line tools
 - Vector point tools
 - Vector polygon tools

Daftar Pustaka

- ¹ *System for Automated Geoscientific Analyses*. <https://saga-gis.sourceforge.io/en/index.html>
- ² *Processing Saga NextGen Provider (Plugin QGIS)*. https://plugins.qgis.org/plugins/processing_saga_nextgen/#plugin-versions

TERIMA KASIH