

Resource Summary Report

Generated by ASWG on Aug 2, 2026

CKAN

RRID:SCR_002622

Type: Tool

Proper Citation

CKAN (RRID:SCR_002622)

Resource Information

URL: <http://ckan.org/>

Proper Citation: CKAN (RRID:SCR_002622)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 23,2022. A complete out-of-the-box data management software solution that makes data accessible by providing tools to streamline publishing, sharing, finding and using data. CKAN is aimed at data publishers (national and regional governments, companies and organizations) wanting to make their data open and available. It uses its internal model to store metadata about the different records, and presents it on a web interface that allows users to browse and search this metadata. It also offers a powerful API that allows third-party applications and services to be built around it. CKAN is built with Python on the backend and Javascript on the frontend, and uses the Pylons web framework and SQLAlchemy as its ORM. Its database engine is PostgreSQL and its search is powered by SOLR. It has a modular architecture that allows extensions to be developed to provide additional features such as harvesting or data upload. CKAN is currently used by governments and user groups worldwide to power both official and community data portals.

Abbreviations: CKAN

Synonyms: ckan - The open source data portal software

Resource Type: software resource, software application, data management software

Keywords: data management, python, javascript

Availability: Free, Freely available

Resource Name: CKAN

Resource ID: SCR_002622

Alternate IDs: nlx_156038

Alternate URLs: <http://www.force11.org/node/4698>

License: GNU Affero General Public License, v3 or later

Record Creation Time: 20220129T080214+0000

Record Last Update: 20260801T190212+0000

Ratings and Alerts

No rating or validation information has been found for CKAN.

No alerts have been found for CKAN.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Te Aika B, et al. (2025) Aotearoa genomic data repository: An ?huru m?wai for taonga species sequencing data. Molecular ecology resources, 25(2), e13866.

Hixon SW, et al. (2024) Introducing IsoMad, a compilation of isotopic datasets for Madagascar. Scientific data, 11(1), 857.

Lee KH, et al. (2022) Concept and Proof of the Lifelog Bigdata Platform for Digital Healthcare and Precision Medicine on the Cloud. Yonsei medical journal, 63(Suppl), S84.

Simo LP, et al. (2021) Prevalence and factors associated with overweight and obesity in selected health areas in a rural health district in Cameroon: a cross-sectional analysis. BMC public health, 21(1), 475.

Mathur R, et al. (2021) mapMECFS: a portal to enhance data discovery across biological disciplines and collaborative sites. Journal of translational medicine, 19(1), 461.

López-Morales JA, et al. (2021) Climate-Aware and IoT-Enabled Selection of the Most Suitable Stone Fruit Tree Variety. Sensors (Basel, Switzerland), 21(11).

Badii C, et al. (2020) High Density Real-Time Air Quality Derived Services from IoT Networks. Sensors (Basel, Switzerland), 20(18).

Rodríguez Mendaro ML, et al. (2020) The Uruguayan Digital Data Journey. Patterns (New York, N.Y.), 1(3), 100047.

Arnaud E, et al. (2020) The Ontologies Community of Practice: A CGIAR Initiative for Big Data in Agrifood Systems. *Patterns* (New York, N.Y.), 1(7), 100105.

Strigaro D, et al. (2019) Boosting a Weather Monitoring System in Low Income Economies Using Open and Non-Conventional Systems: Data Quality Analysis. *Sensors* (Basel, Switzerland), 19(5).

Scott B, et al. (2019) The Natural History Museum Data Portal. *Database : the journal of biological databases and curation*, 2019.

Hors-Fraile S, et al. (2018) A recommender system to quit smoking with mobile motivational messages: study protocol for a randomized controlled trial. *Trials*, 19(1), 618.

Snow AD, et al. (2016) A High-Resolution National-Scale Hydrologic Forecast System from a Global Ensemble Land Surface Model. *Journal of the American Water Resources Association*, 52(4), 950.

Przybył P, et al. (2016) Text mining resources for the life sciences. *Database : the journal of biological databases and curation*, 2016.

Jones AS, et al. (2015) A data management and publication workflow for a large-scale, heterogeneous sensor network. *Environmental monitoring and assessment*, 187(6), 348.