

Software impact at the Netherlands eScience Center

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eScience center

by SURF & NWO

Software

algorithms, interfaces,
libraries, tools,
workflows, applications,
...

Knowledgebase

best practices, tutorials,
training material, white
papers, ...

eScience research

Journal and conference
publications, book
chapters, posters,
demos, ...

eStep

<http://software.esciencecenter.nl/>



Software

Click on the bars to find software projects.

49 selected out of 49 records
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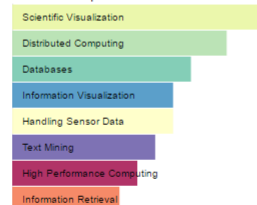
Disciplines



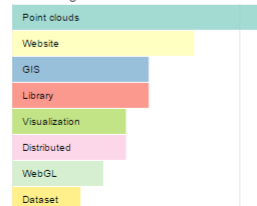
Competence areas



Technical expertises

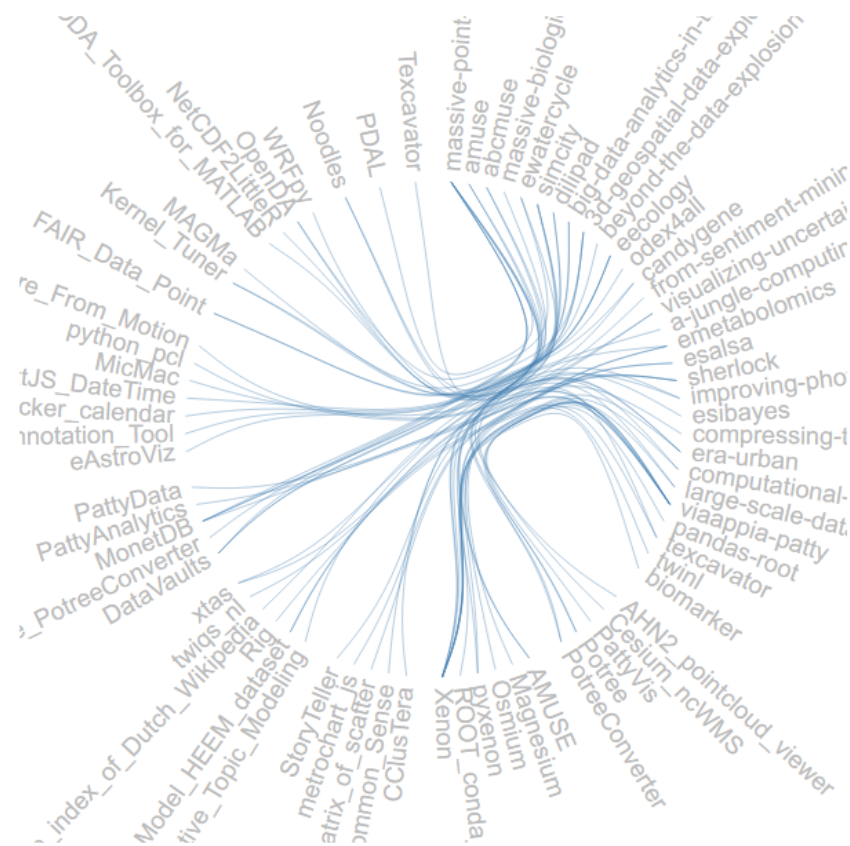


Technologies used



Name	Description
AHN2 pointcloud viewer	WebGL point cloud visualization of AHN2
AMUSE	The Astrophysical Multipurpose Simulation Environment
CClusTera	A 3D web tool for interactive visualization of hierarchically clustered big data
Cesium-ncWMS	3D Globe Visualization of NetCDF data.
Common Sense	User-friendly web application for showing (GIS) data on a map.
Cross-perspective Topic Modeling	A Gibbs sampler that implements Cross-Perspective Topic Modeling
DataVaults	Technology of Attachment to a DBMS of large file repositories.
Differential Evolution	Differential Evolution global optimization algorithm, with Metropolis for uncertainty estimation
eAstroViz	This tool can convert and visualize radio astronomy measurement sets, as well as most LOFAR intermediate data products. It also does RFI mitigation.
eEcology Annotation Tool	Visualize & annotate GPS measurements of bird movements
eEcology Tracker calendar	Calendar overview with daily statistics of GPS-tracker
eWaterLeaf	Web-based visualization for the eWaterCycle project
ExtJS-DateTime	DateTime form input field for ExtJS
FAIR Data Point	FAIR Data Point Metadata Service
GoogleEarth Toolbox for MATLAB	Export data from MATLAB to GoogleEarth's KML format.
Historic Embodied Emotions Model (HEEM) dataset	279 17th and 18th century Dutch theater texts with HEEM labels
Kernel Tuner	A simple CUDA/OpenCL kernel tuner in Python.

eStep Software used in Projects



Planned Additions

- **Software quality indicators**
- **Software impact**
 - Based on sources like depesy, altmetrics, impact story, ossmeter, etc.
 - Testing ground for software impact measurement
 - Assistance with software releases to maximize impact
 - Assistance with software citation

