



WeTransform!

OGC API Feature extensions for deegree

Kate Lyndegaard/Senior Product Manager

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wetransform IN A NUTSHELL

Who are we and for whom do we work?

- Based in Darmstadt, Germany
- Mission: Building Green Data Ecosystems
- More than 100 customers, over 4,000 users
- hale»studio: OS software for data transformation
- hale»connect: Integrated & automated (INSPIRE) data platform



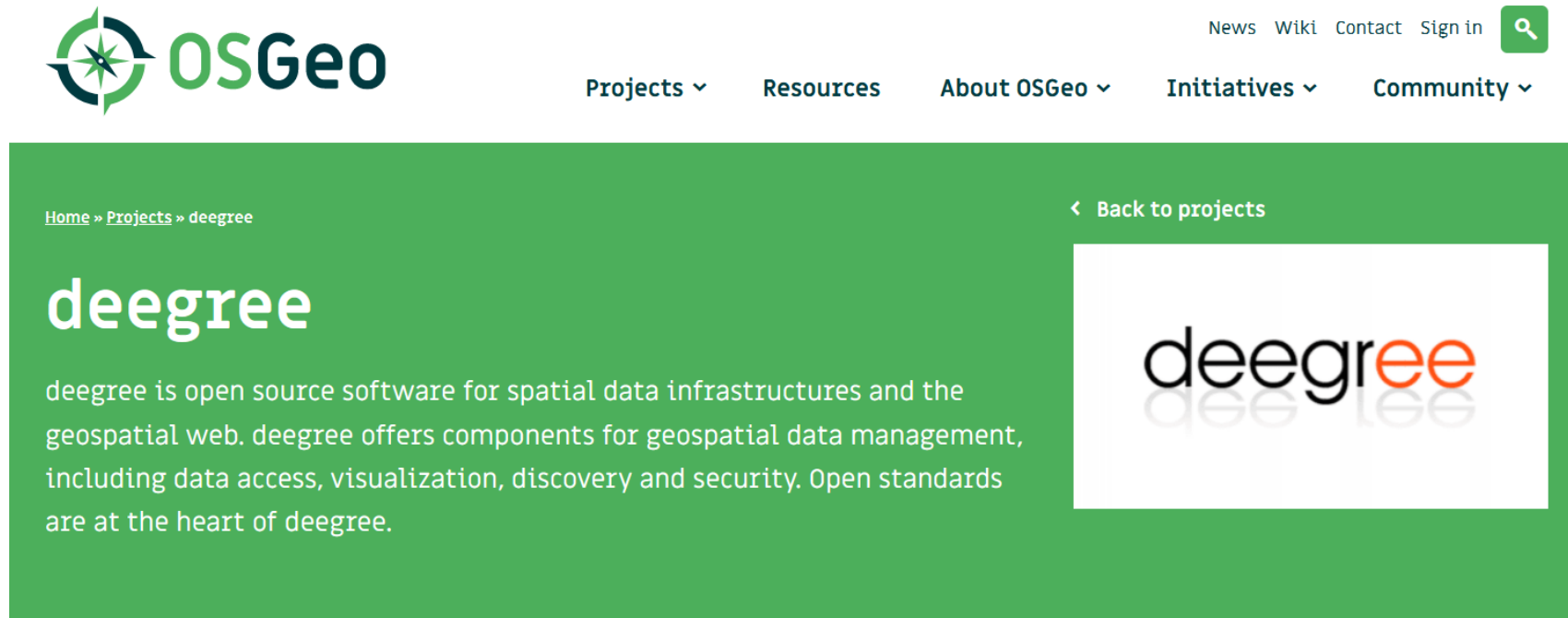
Simon Thorsten John Claudia Livia Kapil Flaminia

Akshat Johanna Kate Florian Franziska Christopher Satish



OSGeo Project deegree

- Started in 2002
- OSGeo project since 2010
- Open-Source License: LGPL 2.1
- deegree at OSGeo: <https://www.osgeo.org/projects/deegree/>



The screenshot shows the OSGeo website's project page for deegree. At the top left is the OSGeo logo, which consists of a green compass rose icon and the text "OSGeo". To the right of the logo is a navigation menu with links for "Projects", "Resources", "About OSGeo", "Initiatives", and "Community", each with a downward arrow. Further right are links for "News", "Wiki", "Contact", and "Sign in", followed by a search icon. Below the navigation is a green header bar with the breadcrumb "Home » Projects » deegree" on the left and a "Back to projects" link on the right. The main content area has a green background. On the left, the word "deegree" is written in a large, white, sans-serif font. Below it, a paragraph of text describes deegree as open source software for spatial data infrastructures and the geospatial web, listing its components and open standards. On the right, there is a white box containing the deegree logo, which features the word "deegree" in a black, lowercase, sans-serif font with a reflection effect below it.

deegree OGC API – Features implementation

- deegree ogcapi supports core specifications
 - Part 1 (Core)
 - Part 2 (CRS)
- Supported encodings:
 - GeoJSON and JSON
 - HTML
 - GML
- Extensions for bulk downloads
- Support for linked metadata

We added seven pull requests to deegree

2 PR already merged

- [Fixes the use of storage CRS code from list of supported CRS](#)
- [Add support for overriding accepted format](#)

5 PR still to be merged

- [Support configuring additional links for collections](#)
- [Support enabling API version response header](#)
- [Support optional API version segment in path](#)
- [feat: serve OpenAPI description also as YAML](#)
- [feat: add "openapi" alias for api endpoint](#)

deegree OGC API – Features: How to try it out

Test instance of our deegree OAF fork available here:

<https://test.haleconnect.de/ogcapi/datasets/simplified-addresses>

It includes all current changes merged into [https://github.com/wetransform-os/deegree-ogcapi/](https://github.com/wetransform-os/deegree-ogcapi) (devel branch) with the example workspace from this repository: <https://github.com/wetransform-os/deegree-ogcapi-example/>

Direct link to API definition:

<https://test.haleconnect.de/ogcapi/datasets/simplified-addresses/v1/openapi.yaml>

CONTACT

wetransform



info@wetransform.to



+49 6151 6290 890



Fraunhoferstr. 5,
64283 Darmstadt (Germany)



The illustration shows a person in a blue shirt and dark pants sitting on a large black cube, working on a laptop. Surrounding them are several other 3D blocks and charts in shades of blue and black, including a bar chart with three bars of increasing height and a circular gauge. The scene is set against a white background with scattered blue and black circles.

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