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GEONODE

PLATFORMA ZA UPRAVLJANJE, DELJENJE IN VIZUALIZACIJO
PROSTORSKIH PODATKOV

Matija Gerčer (UL FGG),
prof. dr. Krištof Oštir (UL FGG)

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S34i

SECURE AND SUSTAINABLE SUPPLY OF RAW MATERIALS FOR EU INDUSTRY

S34i

KAZALO

Projekt S34I

01 Uvod

02 Funkcionalnosti

03 Tehnologije

04 Implementacija

05 Uporab



PROJEKT S34I



KAJ Razvoj metod in analiz daljinske zaznave s podporo raziskovanju rudarske industrije, geologije, lokalnih skupnosti



ZAKAJ Številni podatki EU misiji premalo izkoriščeni, **potencial** EO podatkov z vidika okolja in rudarske **trajnosti**

Zagotoviti varno oskrbo surovin v Evropski Uniji

PROJEKT S34I



KDO Interdisciplinarna ekipa iz **12** ključnih **rudarskih držav** EU (Avstrija, Belgija, Nemčija, Španija, Finska, Grčija, Irska, Italija, Norveška, Portugalska, Romunija, Slovenija).



DODANA VREDNOST Digitalna transformacija rudarstva za večjo trajnost, zeleni prehod rudarstva, spodbujanje odprtih baz podatkov

The screenshot displays the S34I Geoportal website. At the top left is the S34I logo. A search bar with a magnifying glass icon and the text "Search" is positioned at the top center. At the top right is a power button icon. The main header area has a dark blue background with the word "Geoportal" in large white font, and "Official S34I geospatial repository" in smaller white font below it. A navigation bar below the header contains links: "All resources", "Datasets", "Maps", "Documents", "GeoStories", "Dashboards", "S34I Homepage", "About", and "English". The main content area shows a "Filter" button and "14 Resources found". On the right, there is an "Add Resource" button and a section labeled "Order by" with a dropdown menu icon. Below these are four resource cards, each featuring a map thumbnail, a title, a description, and a "View" button. The first card is titled "be22_085_svf" by "Kristof Ostir". The second is "outolampi_ms_composi_3" by "Kristof Ostir". The third is "outolampi_ms_comp_rgb" by "Kristof Ostir". The fourth is "outolampi_ms_rgba_celsius" by "admin".

S34I

Search

Geoportal

Official S34I geospatial repository

All resources Datasets Maps Documents GeoStories Dashboards S34I Homepage About English

Filter 14 Resources found

Add Resource Order by

be22_085_svf

Kristof Ostir

View

outolampi_ms_composi_3

Kristof Ostir

View

outolampi_ms_comp_rgb

Kristof Ostir

View

outolampi_ms_rgba_celsius

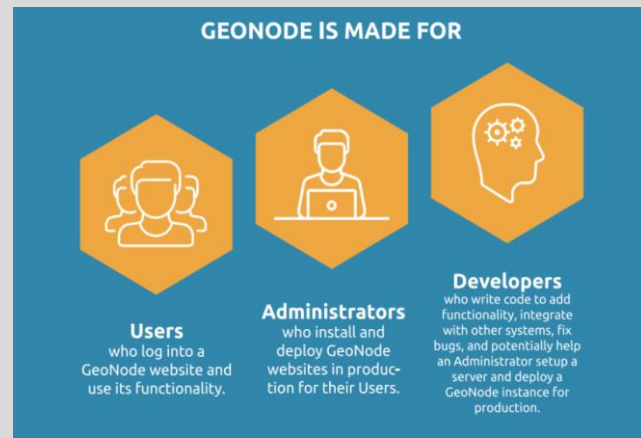
admin

View

01 UVOD

- **Platforma** za upravljanje, deljenje in vizualizacijo prostorskih podatkov
- **Odprtokodna** rešitev, podpira standarde OGC
- Sestavljen iz **številnih tehnologiji** (OSGeo podprtih)
- Sodoben **uporabniški vmesnik**, zmogljiv in dobro povezan **zaledni sistem**

vir: geonode.org



02 FUNKCIONALNOSTI

- **Upravljanje prostorskih podatkov**
 - **Nalaganje in shranjevanje:** podpira nalaganje različnih formatov podatkov (.shp, .gpkg, .tiff, ...)
 - **Upravljanje metapodatkov:** omogoča ustvarjanje in upravljanje meta podatkovnega sistema v skladu z mednarodnimi standardi.
- **Vizualizacija vsebin**
 - **Interaktivni pregledovalnik:** preprost spletni GIS pregledovalnik za interakcijo s podatki
 - **Slog slojev:** uporabniki lahko oblikujejo sloje z uporabo datoteke SLD (Styled Layer Descriptor)

02 FUNKCIONALNOSTI

- **Spletni servisi**

- **OGC Standards Compliance:** podpira OGC standarde, kot npr: WMS (Web Map Service), WFS (Web Feature Service) in CSW (Catalog Service for the Web)

- **Uporabniški vmesnik**

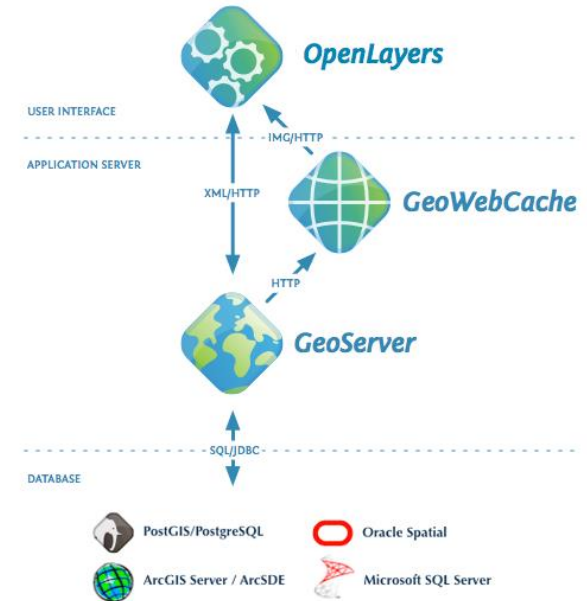
- **Spletni vmesnik:** ponuja uporabniku prijazen spletni vmesnik veščinah.
- **Nadzorna plošča:** hiter dostop do aktivnosti, podatkovnih nizov in zemljevidov.

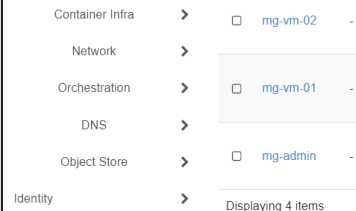
- **Razširljivost :**

- **Integracija z drugimi sistemi:** možna je integracija z drugimi geosprostorskimi in podatkovnimi podsistemi
- **Arhitektura vtičnikov:** možno nameščanje vtičnikov

03 TEHNOLOGIJE

- Django (web framework)
- ReactJS + Openlayers (frontend framework)
- GeoServer (data server)
- PostgreSQL (+ PostGIS) (database storage)
- ...
- Docker

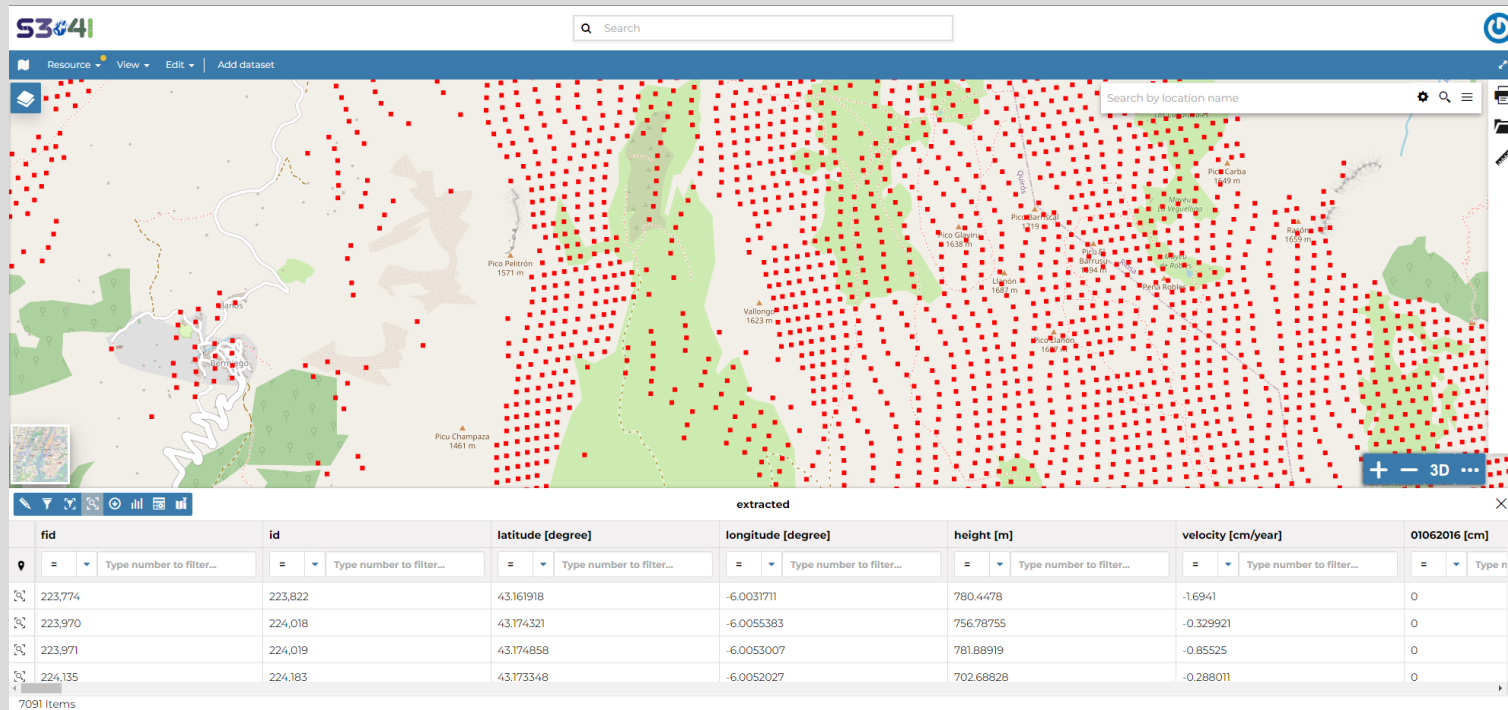




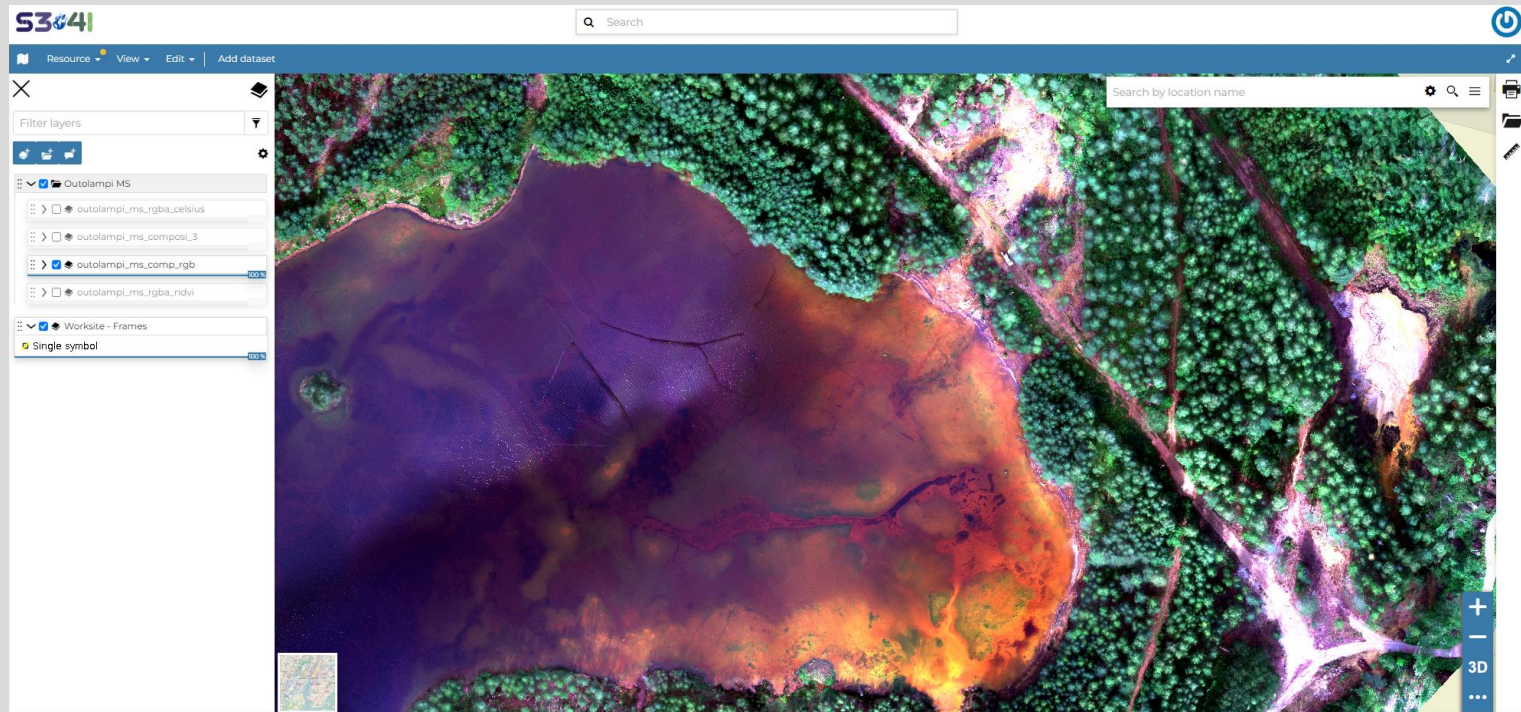
mg9315@student.uni-lj.si ·

```
f7c3c31e01e6 memcached:alpine "docker-entrypoint.s..."
e6763c55ac3d geonode/geoserver_data:2.24.3-latest "sleep infinity"
c2bbeff75493 geonode/nginx:1.25.3-latest "/docker-entrypoint..."
9aee4138f8f5 geonode/postgis:15.3-latest "docker-entrypoint.s..."
6eff139aa76f rabbitmq:3-alpine "docker-entrypoint.s..."
root@mq-mag-geo:/#
```

Primer: Vector Data (Aramo)



Primer: Raster data (Outokumpu)



05 UPORABA

Metadata Editor

Metadata for Aijala

Completeness
✖ Check Schema mandatory fields
58 %

Edit Settings Advanced Metadata

Mandatory Mandatory Optional

1 2 3

Basic Metadata Location and Licenses Optional Metadata

Language English
License Not Specified
Attribution authority or function assigned, as to a ruler, le...
* Field declared Mandatory by the Metadata Schema

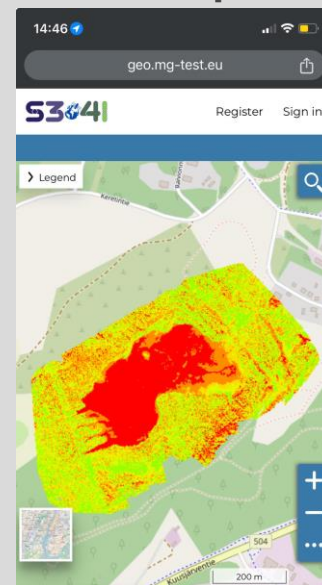
Regions Global
* Field declared Mandatory by the Metadata Schema

Data quality statement
B I U Paragraph Ix ...
* Field declared Mandatory by the Metadata Schema

Restrictions otherRestrictions
Other constraints
B I U Paragraph Ix ...
* Field declared Mandatory by the Metadata Schema

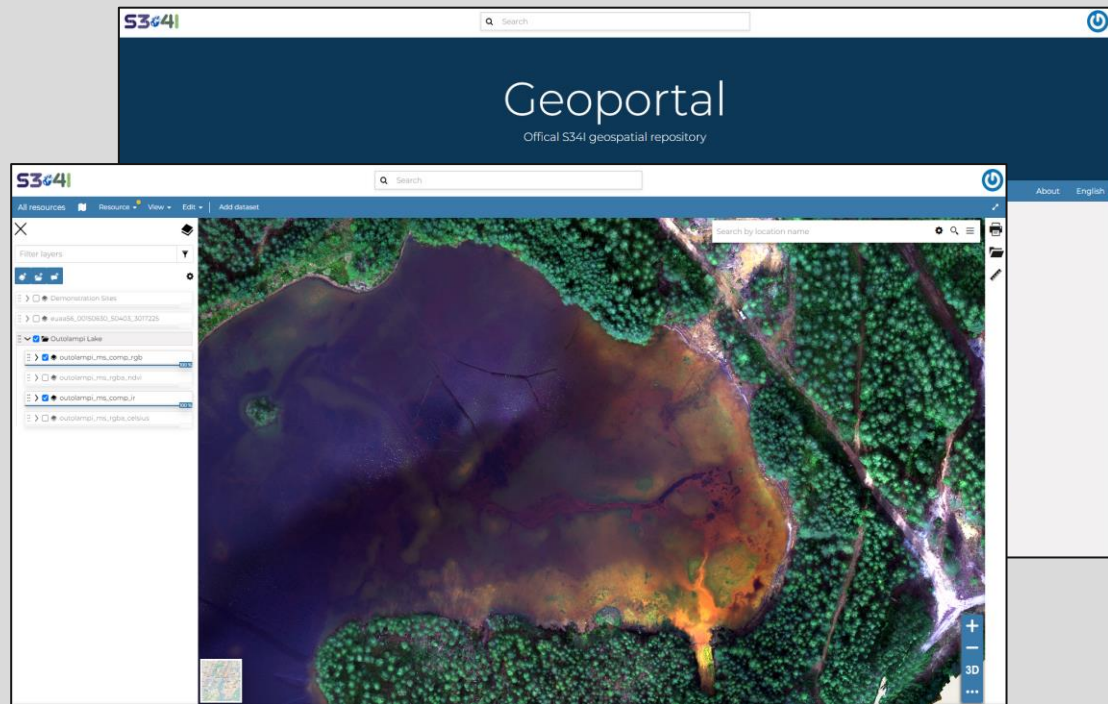
<< Back Update Next >>

Mobile Optimized



05 UPORABA

- Omogoča še:
 - izdelava Dashboard-ov
 - nalaganje dokumentov
 - dodajanje zunanjih spletnih servisov
 - sistem uporabnikov in dovoljen
 - ...



06 PRIMER

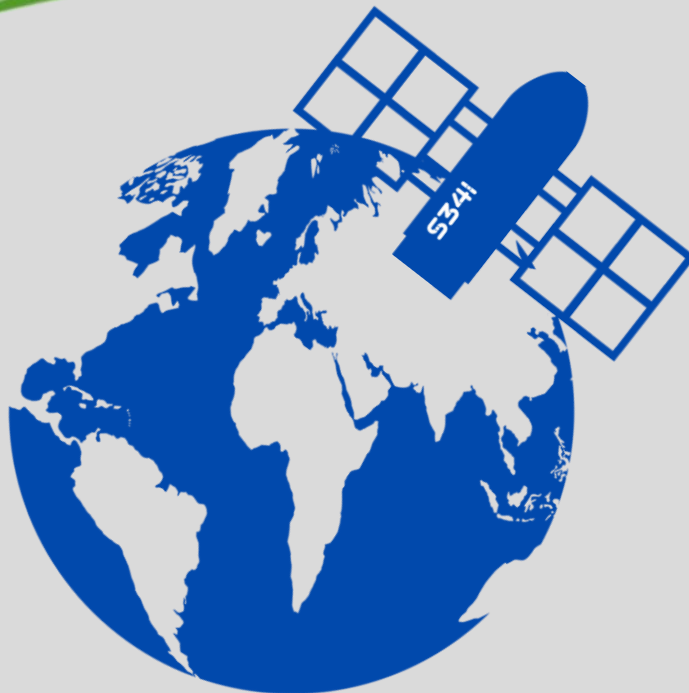
Povezave:

- [GeoNode](#)
- [Theme Generator](#)

- <https://s34i.eu/>
- <https://geo.s34i.eu/>
- <https://geo.s34i.eu/catalogue/#/map/20>



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Matija Gerčer



matija.gercer@fgg.uni-lj.si