

MFGI

S.L.

Harvested INSPIRE Services at MFGI

layer title	WMS	WFS 1	WFS 2	open search	atom Feed	validation
Seismic Lines	x	x	x	x	x	94.12
Borehole Loggings	x	x	x	x	x	94.12
Gravity Stations	x	x		x	x	94.12
3D Seismics	x	x		x	x	94.12
Vertical Electric Soundings at NW Hungary	x	x		x	x	100
Cone Penetration Test measurements in Hungary	x	x		x	x	94.12
Multielectrode DC Profiles	x	x		x	x	94.12
DC resistivity at 10 m depth in NW Hungary	x	x		x	x	100
Magnetotelluric Sounding	x	x		x	x	
Area management/restriction/regulation zones and	x	x		x	x	94.12
Mineral Resources / Mineral occurrence - MBFH, H	x	x	x			94.12
Mineral Resources / Mine - MBFH, Hungary	x	x	x			94.12
Natural Risk Zones / Observed Events, Points	x	x			x	94.12
Borehole locations in Hungary	x			x	x	94.12
Geological Map of Hungary 1:1000000	x					94.12
Predefined Download Services for Geophysics						
INSPIRE View Services for Geophysics						92.31

MFGI Services

- INSPIRE Geoportal
- INSPIRE Predefined Download
- Open Search Utilities
- ALFA Thesaurus
- ALFA Utilities



INSPIRE Geoportal - CSW of MFGL

GeoNetwork
opensource
Geographic data sharing for everyone

Home | Contact us | Links | About | Help |

English

Username _____ Password _____ Login

WHAT?

WHERE?



- Any -

Search

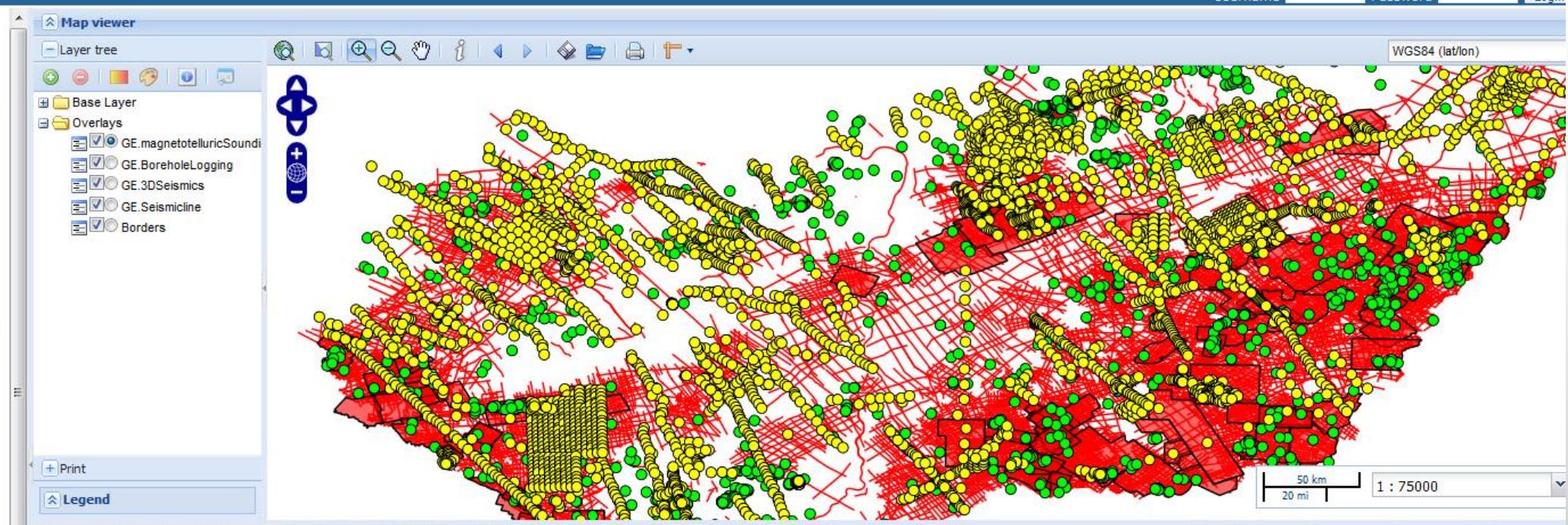
Reset Advanced

Options

- Base_maps
- EGDI
- EGIP_pilot
- INSPIRE_Geology
- **INSPIRE_Geophysics**
- INSPIRE_WebServices
- MBFH_AreaManagement
- MBFH_EnergyResources
- MBFH_MineralResources
- MBFH_NaturalRiskZone
- MBFH_WebServices
- MICKA
- MIN4EU
- Megukutatottság
- NATÉR



- INSPIRE Predefined Download Services for Geophysics
- Magnetotelluric Sounding
- EGDI WMS services for Geophysics, Hungary
- Vertical Electric Soundings at NW Hungary



MAGNETOTELLURIC SOUNDING

Abstract

The map contains locations of magnetotelluric stations in Hungary

Keywords

MT, geophysics, Magnetotellurics, GeophStation, Geology

Metadata

Interactive Map



BOREHOLE LOGGINGS

Abstract

The map contains locations of borehole logging measurements in Hungary

Keywords

geophysics, boreholeLogging, GeophProfile, Geology

Harvested by:

- EGDI (MICKA)
- Hungarian Geoportal
- EGIP



Predefined Download Services

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INSPIRE Download Service for Geophysics

Geophysical Datasets Maintained by MFGI, Hungary

[Vertical Electric Soundings in Hungary](#)

January 31, 2013, 1:00 AM

The dataset contains locations and metadata of VES (Vertical Electric Sounding) measurements in Hungary. It is generated from the VES database of MFGI that contains most of the measurements that was done by the geophysical institute during the last 50 years in the country. The VES database of MFGI contains over 40000 soundings from the 1950-ies up to now

[3D Seismic Measurements in Hungary](#)

January 31, 2013, 1:00 AM

The dataset contains polygons and metadata of 3D Seismic Measurements in Hungary

[2D Seismic Lines in Hungary](#)

January 31, 2013, 1:00 AM

The dataset contains locations and metadata of 2D Seismic Lines in Hungary

[Gravity Bases Stations in Hungary](#)

March 8, 2017, 1:00 AM

The dataset contains locations and metadata of Gravity Base Stations in Hungary

Open Search Utilities



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Open Search in Annex II. GE

MFGI ALFA

Try examples, or type IN
feed list will come up wi
downloads

examples 3D Se

searchTerm S3D_S

Geophysical Features

Search Results in namespace ht

current page: 1

1

[GeophSwath no. S3D Savoly](#)

December 20, 2012, 10:38 AM

Download [INSPIRE GML](#) Also ava

[GeophSwath no. S3D Savoly](#)

December 20, 2012, 10:38 AM

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[GeophSwath no. S3D Savoly](#)

June 7, 2013, 9:08 AM

Download [INSPIRE GML](#) Also ava

<ge_gp:GeophSwath xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://inspire.ec.europa.eu/schemas/ge_gp/3.0 http://inspire.ec.europa.eu/schemas/ge_gp/3.0.xsd">

<sam:sampledFeature xsi:nil="false" />

<sams:shape xlink:href="#gm-1" />

<ge_gp:inspireId>

- <base:Identifier>
- <base:localId>S3D_Savoly</base:localId>
- <base:namespace>http://mfgi.hu</base:namespace>
- </base:Identifier>

</ge_gp:inspireId>

<ge_gp:citation>

- <base2:DocumentCitation>
- <base2:name>
- 3D szeizmikus mérés, Sávoly
- </base2:name>
- <base2:date xsi:nil="false">
- <gmd:CI_Date>
- <gmd:date>1992-04-2</gmd:date>
- <gmd:dateType>
- <gmd:CI_DateTypeCode>
- codeList="http://scherz.mff.kfki.hu/gmxCodeLists/GeophSwath">1992-04-2</gmd:CI_DateTypeCode>
- </gmd:CI_DateTypeCode>
- </gmd:dateType>
- </gmd:CI_Date>
- </base2:date>
- <base2:link xsi:nil="true"/>

</base2:DocumentCitation>

3D szeizmikus mérés, Sávoly környéke 38. + Zalakaros I.

[általános metaadatok](#)

3DSeismics

Azonosító	urn:uuid:S3D_Savoly
földrajzi azonosító	
vizsgált objektumok	EarthLithosphere
geometria	MULTIPOLYGON(((509078 140843.000000004,510040 134632.000000007,502643 133487,501681.000000004 139697.999999996,509078 140843.000000004)))
térképi vetület	multipolygon
nagyobb munka	CMP_S3D_Savoly
platform	ground
mérőszáv típusa	3DSeismics

általános metaadatok

adatszolgáltató	MFGI
cím	hu 3D szeizmikus mérés, Sávoly környéke 38. + Zalakaros I. en
egyéb azonosítók	Sávoly

ALFA Thesaurus

a...

english ▾ filter:

geophProfile

GeophMeasurement

ID:	skos:GeophMeasurement
Item class:	Concept
Label (en):	Geo
Label (hu):	Geofizikai szelvény
Title (en):	A geophysical measurement spatially referenced to a curve.
Title (hu):	
Concept scheme collection:	ALF

Top concepts

preferred
geophProfile
geophStation
geophSwath

ID: skos/GeophMeasurement/geophProfile

Item class: Top concept

Label (en): geophProfile

Label (hu): geofizikai szelvény

Definition (en): A geophysical measurement spatially referenced to a curve.

Definition (hu):

Concept scheme: GeophMeasurement

Broader concept:

Narrower concepts

preferred label en	preferred label hu
boreholeLogging	mélyfúrás-geofizikai szoindázás
conePenetrationTest	mérnökgeofizikai szondázás
flightLine	légi-geofizikai szelvény
georadarProfile	földradar szelvény
multielectrodeDCProfile	sokelektródás egyenáramú mérés
seismicLine	szeizmikus vonal
verticalSeismicProfile	vertikális szeizmikus szelvény

ALFA Utilities

Szeizmikus vonalak

keresés tulajdonságok alapján

rekord azonosító	<input type="text"/>
MBFH név	bf
mérés éve	<input type="text"/>
mérési tipusa	<input type="text"/>
korlátzás	<input type="text"/> O

keresés geometria alapján

nyugat	<input type="text"/>	dél	<input type="text"/>
<input type="button" value="OK"/>			

találatok száma: 17, megjelenítve: 17 >>>

rekord azonosító	MBFH név	mérés éve	mérési tipusa
SLN2D_BF-1	BF-1/96	1996	reflexion
SLN2D_BF-1_A	BF-1/A/96	1996	reflexion
SLN2D_BF-1_B	BF-1/B/97	1997	reflexion
SLN2D_BF-10	BF-10/00	2000	reflexion
SLN2D_BF-11	BF-11/00	2000	reflexion
SLN2D_BF-12	BF-12/00	2000	reflexion
SLN2D_BF-13	BF-13/01	2001	reflexion
SLN2D_BF-14	BF-14/01	2001	reflexion

BF-1/A 2D szeizmikus mérési vonal

általános metaadatok

szeizmikus vonal (seismicLine)

azonosító	urn:uuid::SLN2D_BF-1_A
földrajzi azonosító	
vizsgált objektumok	EarthLithosphere
geometria	LINESTRING(532252.734700002 21301 213001.660300002,532283.029599998 212988.683600001,532298.213799998 212975.594300002,532313.400400002 212962.616300002,532328.660500001 212949.525600001,532343.771499999)

mérés/megfigyelés	2D szeizmikus adatgyűjtés -- 2D Seismic Data Acquisition
terképi vetület	linestring

nagyobb munka	
jelentések	Mérési jelentés -- Acquisition Report
függőleges kiterjedés	alsó határ (depth) 0 felső határ (depth) 0
platform	ground
szelvény típusa	seismicLine

OBS_SLN2D_BF-1_A.1

Mérés/Megfigyelés: 2D seismicDataAcquisition

felelősök	
mintavételi alakzat	SLN2D_BF-1_A
megfigyelt tulajdonságok	seismicAmplitude seismicVelocity
mérés/megfigyelés ideje	2001-05-09T00:00:00.0
eredmény ideje	2001-05-09T00:00:00.0
eredmények	
folyamat	
paraméterek	SRC_TYPE (def.) vibrator SEN_TYPE (def.) geophone SEN_SPACING (def.) 20 m NUM_CH (def.) 400 CVRG (def.) 200 SAMP_RATE (def.) 4 ms TM_OFFS_MIN (def.) 0 ms TM_OFFS_MAX (def.) 12000 ms NRST_OFFS (def.) 2 m SEIS_METHOD (def.) reflection SEIS_WAVE_TYPE (def.) P

Work Flow

Offline dataset

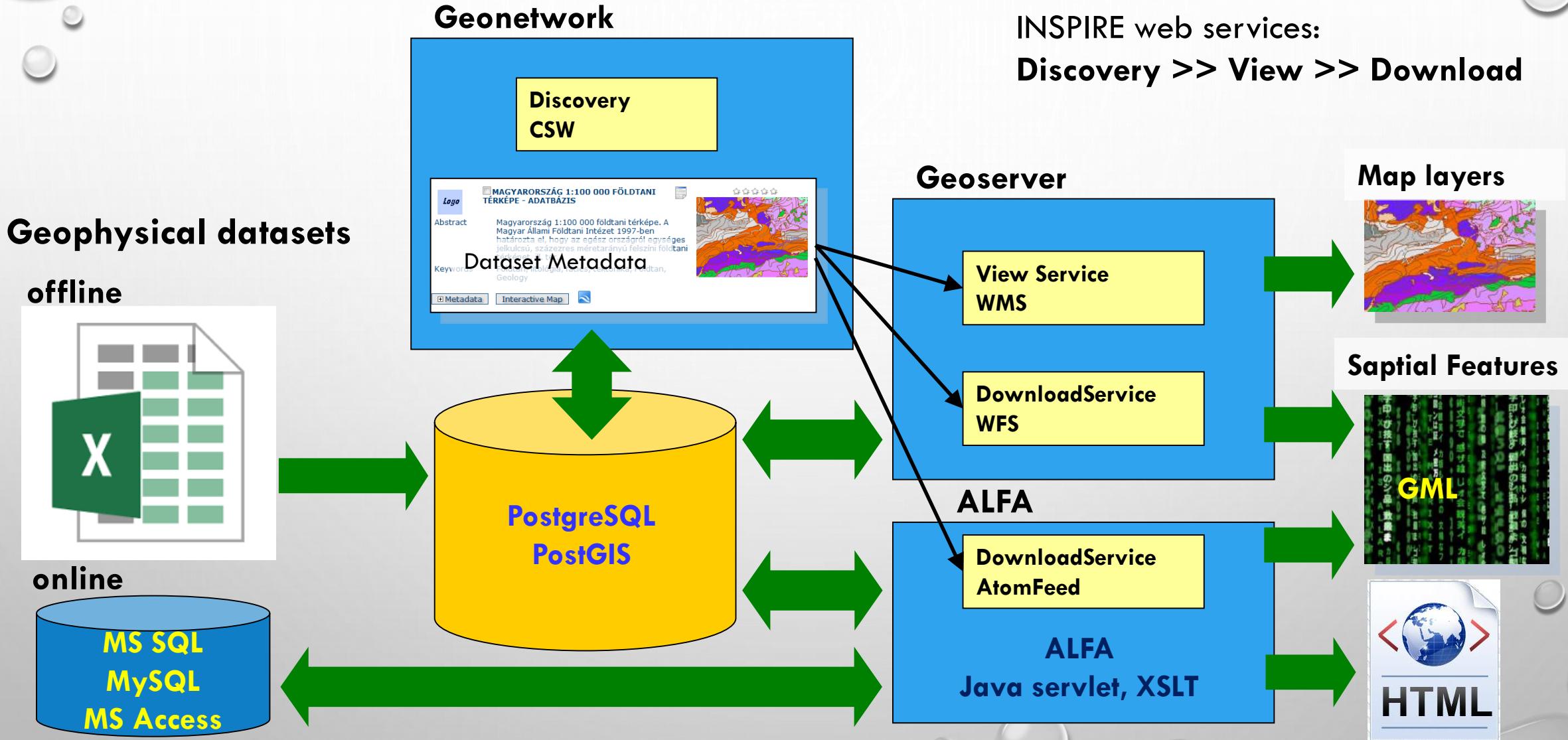
1. Mapping between native dataset to the INSPIRE data model
2. Create XSLT converters
3. XSLT Conversion to ALFA (simplified INSPIRE) XML
4. Upload XML into PostgreSQL database

Online dataset

1. Mapping between native dataset to the INSPIRE data model
2. Create XSLT converters
3. Online XSLT Conversion to ALFA XML

Online XSLT conversion from ALFA XML to HTML, INSPIRE GML, Atom Feed on request

INSPIRE Services with Open Source Components





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[Home](#) » Non classé » European Geological Data Infrastructure launch event. The version 1.0 is here!



EUROPEAN GEOLOGICAL DATA INFRASTRUCTURE LAUNCH EVENT. THE VERSION 1.0 IS HERE!

POSTED ON JUIN 23, 2016 IN NON CLASSE

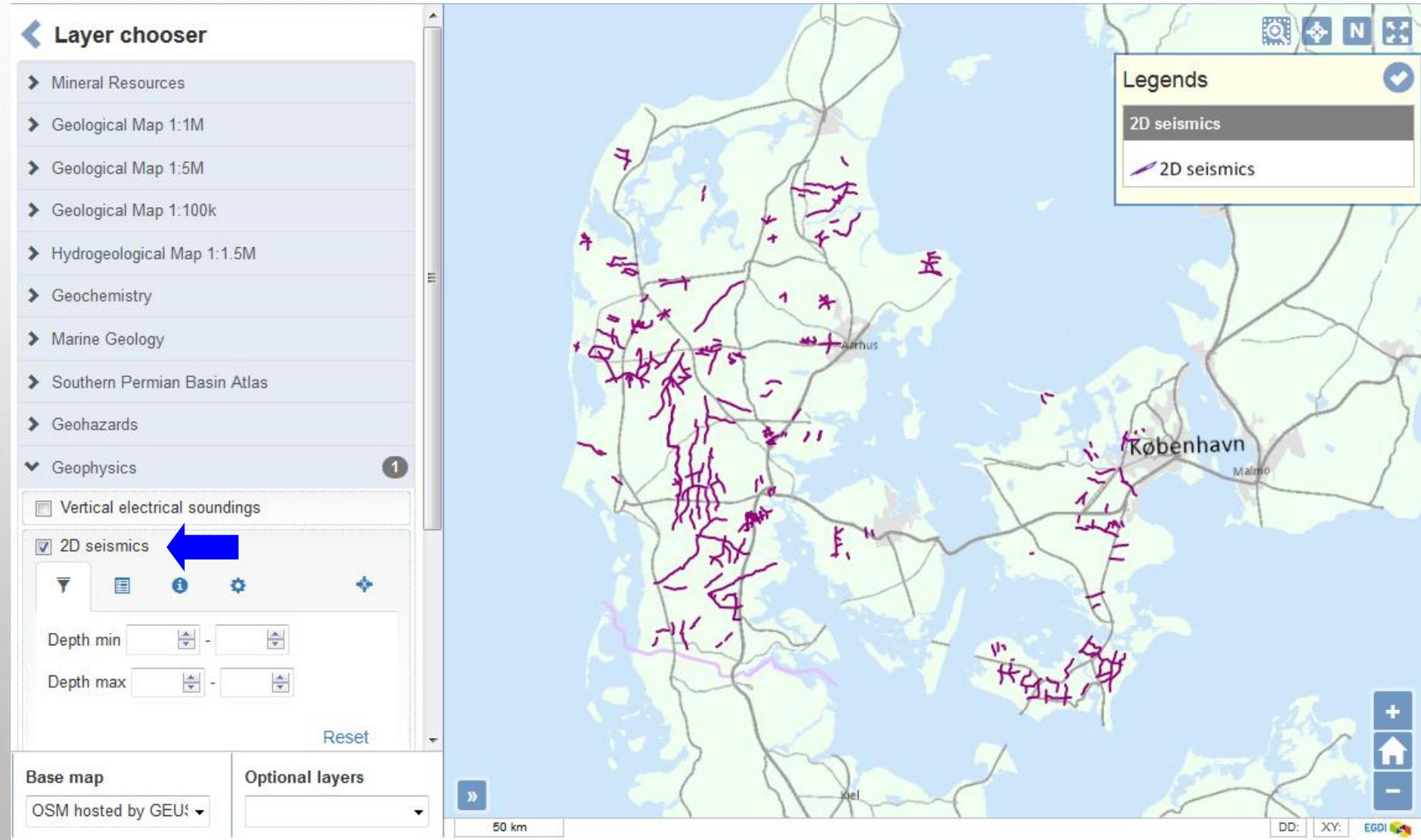
Data worth hundreds of millions of Euros has been made available through a first version of the European Geological Data Infrastructure (EGDI). This will enable users to access information and data in INSPIRE compliant formats about geology and earth resources across Europe. The EGDI was launched last Tuesday 14th June at the European Geological Surveys (EGS) Secretariat in Brussels. The interest expressed by the participants and speakers, representatives from EU DGs, was large: Marie Donnelly, Director of Renewables, research and efficiency, (European Commission's DG Energy) said "The kind of information you are putting together for the EU", as well as Slavko Solar, DG GROW has confirmed: "EGDI is a great step forward" supported by Head of ICT and Data Management, European Environment Agency (EEA). Positive reactions also came from JRC, Constantin Ciupagea Head of Land and Raw Materials (European Commission's DG), "EGDI is the big platform for EGS. Extremely happy to see EGDI go forward" as well as from Iain Macgregor, Maritime Policy Atlantic, outermost regions and Arctic, (European Commission's DG for Maritime Affairs and Industry) who said "EGDI is a great initiative" and Gilles Ollier Head of Earth Observation (European Commission's DG for Research and Innovation) added :"EGDI has a very important role to play in the in-situ part of Copernicus and GEOSS".

The rest of the world – faces a growing need for access to data on nature, environment and raw materials in order to manage resources appropriately. The EGDI is a platform for geological data from the world that it gathers thousands of pan-European and national datasets covering Energy, Groundwater, Geohazards and Soil. During his presentation, Jørgen Tulstrup (Head of Department at the Geological

Seismic Lines in Denmark



MFGI-GEUS INSPIRE Services for EGDI



Download Feature from Result List

Layer chooser

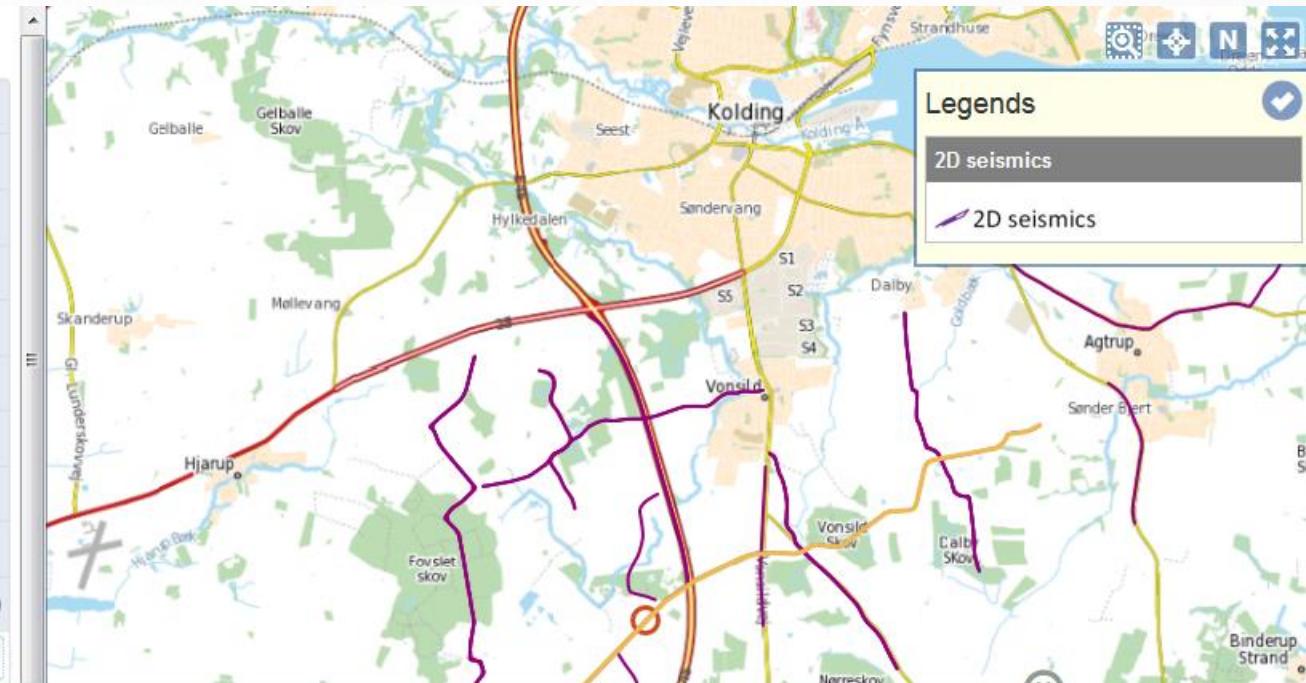
- Mineral Resources
- Geological Map 1:1M
- Geological Map 1:5M
- Geological Map 1:100k
- Hydrogeological Map 1:1.5M
- Geochemistry
- Marine Geology
- Southern Permian Basin Atlas
- Geohazards
- Geophysics**
 - Vertical electrical soundings
 - 2D seismics

1

Legends

2D seismics

2D seismics



2D seismics

Date	Identifier	Go to	Depth Min	Download	D Provider	Name	Depth Max	Type	Platform
2006-05-29	SLN2D_GEUS.732308		0	Link...	GEUS	VON7	5000	seismicLine	ground

Depth min

Depth max

Base map

OSM hosted by GEUS

Options

XY:3967192, 3171158 EGD

A blue arrow points upwards from the "Link..." button in the table to the "Download" button.

Core Feature Attributes and Observation metadata



Layer chooser

- Mineral Resources
- Geological Map 1:1M
- Geological Map 1:5M
- Geological Map 1:100k
- Hydrogeological Map 1:1.5M
- Geochemistry
- Marine Geology
- Southern Permian Basin Atlas
- Geohazards
- Geophysics
 - Vertical electrical soundings
 - 2D seismics**
 - Depth min
 - Depth max

Base map OSM hosted by GEUS | Options

Details

VON7 2D Seismic Line

INSPIRE feature	http://mfgi.hu/inspire/SLN2D_GEUS.732308
larger work	dkvejleamt.grundvand-vonsild-Seismik
creation date	2006-05-29
vertical extent (depth)	0 - 5000 m
platform type	ground
profile type	seismicLine

Observations

- Seismic Data Acquisition

procedure	Seismic Data Acquisition
observed Property	seismicAmplitude,
phenomenon time	2006-05-29T00:00:00
result time	2006-06-13T00:00:00
processor	Rambøll

Process Parameters

streamer_length	220 m
no_active_channels	102
source	Vibrator
cmp_distance	5 m
shot_point_interval	10 m
no_active_channels	64

Results

GeophProfile (core) attributes

relatedObservation[1] attributes

Legends
2D seismics
2D seismics

Platform
Line ground

Download Results (PDF, Seg-Y)



Layer chooser

- Mineral Resources
- Geological Map 1:1M
- Geological Map 1:5M
- Geological Map 1:100k
- Hydrogeological Map 1:1.5M
- Geochemistry
- Marine Geology
- Southern Permian Basin Atlas
- Geohazards
- Geophysics
 - Vertical electrical soundings
 - 2D seismics
 - Depth min
 - Depth max

Details

relatedObservation[21]

observed Property	seismicAmplitude
phenomenon time	2006-07-30T00:00:00
result time	2006-07-30T00:00:00
processor	TEEC

Process Parameters

Seg-Y header C 1 Client: ... >> read header

Results

stackingTimeSection PDF, [FinalStack.pdf](#)

stackingTimeSection Seg-Y, [FinalStack.seg-y](#)

• Time Migration

relatedObservation[21]

procedure	Time Migration
observed Property	seismicAmplitude,
phenomenon time	2006-07-01T00:00:00
result time	2006-07-30T00:00:00
processor	TEEC

Process Parameters

Seg-Y header C 1 Client: ... >> read header

Results

migratedTimeSection PDF, [MigratedStack.pdf](#)

migratedTimeSection Seg-Y, [MigratedStack.seg-y](#)

Opening 2_1.pdf

You have chosen to open:

2_1.pdf

which is: Adobe Acrobat Document

from: <http://gerda.geus.dk>

What should Firefox do with this file?

Open with Adobe Reader (default)

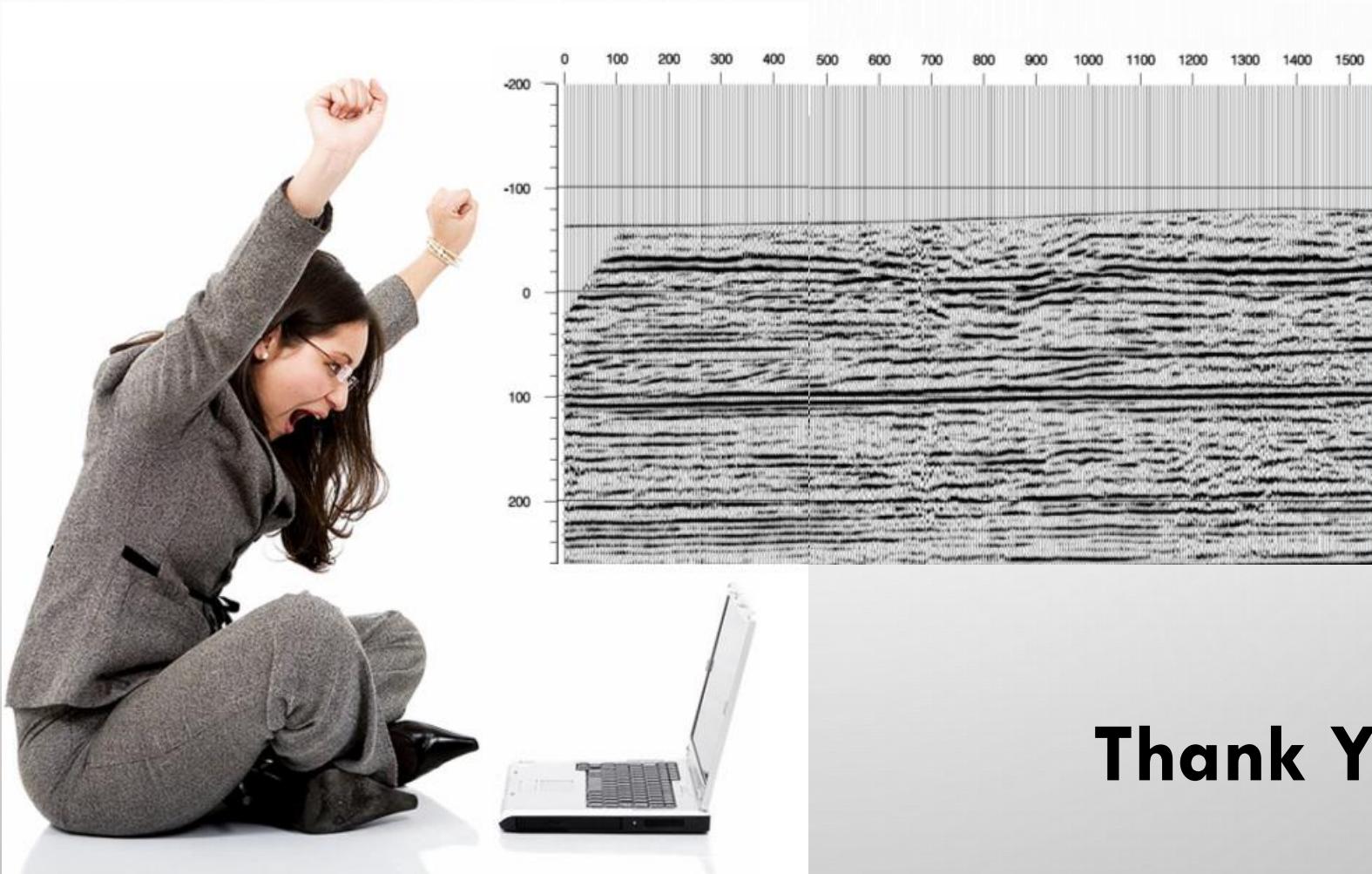
Save File

Do this automatically for files like this from now on.

OK Cancel

result

Download Results (PDF, Seg-Y)



Thank You!