

Welkom bij de lezing van

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(FNWI)

Universiteit van Amsterdam



# Geoportal of the University of Amsterdam

Met medewerking van de volgende UvA-mensen:

Geoportaal gebouwd door IBED-medewerkers:  
Stacy Shinneman, Roosmarijn van Geest, Henk Pieter  
Sterk en Thijs de Boer

Bouw van de Bladwijzerapplicatie\website:  
Jan Hartmann (FMG)

Invoer kaartbladen: Alex Plantema (UB-Bijzondere  
Collecties)

# Geoportal of the University of Amsterdam



IBED = Instituut voor Biodiversiteit en Ecosysteem Dynamica

FMG = Faculteit der Maatschappij- en Gedragswetenschappen





GIS-studio.nl

www.gis-studio.nl

# Geographical Information Systems & Remote Sensing

Welcome to GIS-studio.nl. This website gives information on the GIS-studio and the education and research it facilitates. Please use the menu on the left to navigate through this website.

**The GIS-studio**  
The GIS-studio was established in 2003 to serve students and staff of the Institute for Biodiversity and Ecosystem Dynamics (IBED) of the University of Amsterdam and to assist them in their spatial data analysis using Geographical Information Systems (GIS) and remote sensing (RS) software.

**Hardware and software**  
The GIS-studio facilitates 18 high-end computers (64-bit quad-core processors, dual widescreen monitor setup, 8GB RAM, Win7, see picture to the right), 4 Trimble Yuma2 tablets (picture below) and up-to-date GIS- and remote sensing software, such as ArcGIS 10, Erdas Imagine 2013 and eCognition Developer 9.

**Education**  
The GIS-studio has developed courses that consist of individual self-tuition modules. These modules cover selected topics in GIS and remote sensing with applications in earth sciences, biology and forensic sciences.

We also encourage people from other universities or institutes to participate in one of our courses. For more information how to enroll, please navigate to the Education section.

**M.Sc. projects and Research**  
The GIS-studio facilities and assistance are also available for master students and staff to facilitate their research. Please visit the M.Sc. projects and Research sections for examples of finished projects and ongoing research.

**Online Reservation Systems (ORS)**  
The computers can be booked in advance with our online reservation system. Please visit the ORS to make your reservations.

**UvA Geoportal**  
The UvA Geoportal facilitates the efficient exchange of geodata within the UvA community, especially the IBED and FMG institutes. [Click here to open the UvA Geoportal.](#)

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IBED GIS STUDIO

W3C HTML 4.01 ✓ admin | log out



GIS-studio.nl    Geoportal of the University of Amsterdam

geodata.science.uva.nl:8080/geoportal/catalog/main/home.page

Login Help About Feedback

HOME SEARCH BROWSE DOWNLOAD GEODATA NETHERLANDS DOWNLOAD WITH WORLD MAP VIEWER

The UvA Geoportal was developed to facilitate the efficient exchange of geodata within the UvA community. Geodata is georeferenced spatial data such as satellite images, aerial photographs, and GIS layers having a geographical reference. Each dataset has metadata providing background information and use limitations.

Search for geodata using the Find Data box below or conduct more advanced searches from the [Search](#) page. For instruction on advanced querying, read [ESRI's Using Lucene Search Text Queries](#).

View all of the data currently in the UvA catalog from the [Browse](#) page. Data can be downloaded using the [Download Geodata Netherlands](#) page (for data located exclusively in the Netherlands) or the [Download with World Map Viewer](#) for data located outside the Netherlands. The Download with World Map Viewer allows the user to download a zip file containing selected data using the Data Extraction tool. After selecting the data and geographic extent, push Extract to receive a link to the file.

A pdf of [more complete instructions](#) can be downloaded here; we encourage course instructors to distribute this pdf to your students if you would like them to use the Geoportal for their studies.

Please be patient when viewing data as it may take several seconds for large datasets to appear and finish downloading. Larger datasets have been cached, a process which speeds up visualization; however, cached data often cannot be viewed at the largest and smallest scales. Therefore, if you are having trouble getting data to appear, try zooming in to the country level. Also, if you are viewing a dataset and then it suddenly disappears when you try to zoom in to the city level or smaller, this is probably due to caching and is not an error. Downloading the data will give you the full scale range to work with.

Click to download datasets using the UvA Geoportal Clickable Maps.

For questions or to become a data contributor, contact the [UvA GIS-studio](#).

You can simply...      Copyright University of Amsterdam

This Geoportal was built using the Geoportal Server. Please read the [Disclaimer](#) and [Privacy](#) or [Contact Us](#).

<http://geodata.science.uva.nl:8080/geoportal/>

# Techniek achter het UvA-Geoportaal

Het UvA-Geoportaal is gebaseerd op de Geoportal server.

*'Geoportal Server is a standards-based, open source product that enables discovery and use of geospatial resources including data and services'. Zie <http://sourceforge.net/projects/geoportal/>*

Software te vinden op:

<https://github.com/Esri/geoportal-server>

In dit portaal kunnen **web-services** aangeboden worden, die zowel uit **open** als **gesloten** software- en databronnen afkomstig kunnen zijn.

UvA-Geoportaal gebruikt WMS- en ArcGIS- en Erdas Apollo-services.

- De afdeling Bijzondere Collecties van de UB van de UvA bezit een collectie van duizenden historische kaarten.
- Hoe komen papieren kaarten in het UvA-geoportaal ?
- Via de nieuwe bladwijzer-site, gebouwd door Jan Hartmann (UvA) m.b.v. ‘MapServer’ (opvolger UMN MapServer)

Werkwijze:

# nieuwe bladwijzer-site – aanmaken index

Werkwijze bij nieuwe in te voeren kaart:

1. Invoeren van de geografische coördinaten (4 hoekpunten) in de projectie van de kaart en metadata zoals titel, schaal, jaar uitgifte, enz.
2. Je begint met 1 blad en applicatie berekent de index van de aangrenzende bladen van de kaartserie in bladwijzerapplicatie

Alex Plantema (UvA) heeft dit voor meer dan 15.000 kaarten reeds gedaan.

## Bladwijzerapplicatie: naburige kaartbladen ook stappen 1 t/m 5 laten doorlopen

Nieuw kaartblad

The screenshot shows a web-based application window titled 'Bladwijzers UvA'. The URL is 'mapserver.sara.nl/bladwijzers/uva/login.html'. The top menu includes 'Edit', 'Zoom', 'Nieuw', 'Verwijderen', and 'Bodemkaart van Nederland (1:50.000) (Nederland, serie nr 07) (27)'. On the right, there's a map of the Netherlands with a legend for base layers (Google Hybrid, Google Streets, OpenStreetMap) and overlays (Grid, WMS). A coordinate box shows '4.9203, 53.8496' and 'EPSG: 28992'. Below the map is a detailed 'Blad' (Sheet) configuration dialog. It has sections for 'Omhoog' (Up), 'Links' (Left), 'Toevoegen' (Add), 'Verwijderen' (Delete), 'Rechts' (Right), 'Omlaag' (Down), and a 'Bladnummer' (Sheet number) field set to '32 Oost'. There's also a 'Wijzigen...' (Change...) button. Below this is a table with coordinates:

F5	160000	475000	180000	475000	F6
F1	160000	450000	180000	450000	F2

Underneath the table is a 'Bladnaam' (Sheet name) field containing 'Amersfoort', a 'Jaar' (Year) field containing '1965', and an 'Opmerkingen' (Remarks) field containing 'gekleurd'. Below these are 'Toevoegen', 'Wijzigen', and 'Verwijderen' buttons. A dropdown menu shows 'Amersfoort-1965-gekleurd' with a count of '1'. At the bottom are 'URL collectie' and 'URL WMS' fields, both pointing to 'http://mapserver.sara.nl/bladwijzers/uva/scan.php?indexid=125&gridg'. Buttons for 'Toon' (Show) and 'Wijzig' (Change) are also present. A large blue arrow points from the left towards the 'Blad' dialog.

Invoeren van al die kaartbladen (> 15.000 !) in Bladwijzer-site  
 door Alex Plantema van de UvA UB / Bijzondere Collecties → vaak meerdere  
 jaargangen van 1 kaartblad → voorbeeld: Nederland 1:25.000 kaartserie

The screenshot shows the Bladwijzer UvA website interface. On the left, a modal window titled 'Blad' displays a grid of map sheet numbers. A large blue arrow points from this window to the main map area on the right.

**Blad**

Omhoog [ ]  
 Links [ ] Toevoegen Verwijderen  Rechts  
 Omlaag [ ]

F5	180000	487500	190000	487500	F6
F1	180000	475000	190000	475000	F2

Bladnummer: 27C

Bladnaam	Jaar	Opmerkingen
Elspeet	1957	UTM

Elspeet-1957-UTM

Elspeet-1957-  
 Elspeet-1957-UTM  
 Elspeet-1965-  
 Elspeet-1975-  
 Elspeet-1986-  
 Elspeet-1991-  
 Elspeet-1998-  
 Elspeet-2003-  
 Elspeet-2006-  
 Elspeet-2010-

**Map Area (Right)**

The map shows a large portion of the Netherlands and surrounding regions, including parts of Germany, Belgium, and France. Numerous 1:25,000 scale map sheets are highlighted with yellow boxes, forming a dense grid across the area. The map includes place names, roads, and a network of small yellow squares representing the individual map sheets.

Top right corner of the map area shows coordinates: S.7278, 52.2685 and EPSG: 28992.

# Bladwijzer-site op de SARA – tientallen kaartseries waar reeds index van is

The screenshot shows a web browser window with the URL [mapserver.sara.nl/bladwijzers/uva/](http://mapserver.sara.nl/bladwijzers/uva/). The page displays a map of Europe with a focus on the Netherlands and Germany. A grid of yellow boxes overlays the map, representing different historical map series. The grid covers several countries, including the Netherlands, Belgium, Luxembourg, France, and parts of Germany and the UK. Each box contains a label such as '0 West (gedeeltelijk) - 14 West', '15 West (gedeeltelijk) - 15 Oost', '16 Oost', '17 West', '17 Oost', '18 - 23', '20 West (gedeeltelijk) - 20 Oost', '21 Oost', '22 West', '22 Oost', '23 West', '24 Oost (gedeeltelijk) - 28 West', '28 West', '27 West', '27 Oost', '28 West', '29 West', '30 Oost', '31 Oost', '32 West', '32 Oost', '33 West', '33 Oost', '34 West', '34 Oost - 35', '35 West', '36 - 42 Oost (gedeeltelijk)', '37 West', '37 Oost', '38 West', '38 Oost', '39 West', '39 Oost', '40 West', '40 Oost', '41 West', '41 Oost', '42 West - 42 Oost', '43 West', '43 Oost', '44 West', '44 Oost', '45 West', '45 Oost', '46 West/Oost', '46 Oost', '47 - 48 West', '48 Oost', '49 West', '49 Oost', '50 West', '50 Oost', '51 West', '51 Oost', '52 West', '52 Oost (fragment)', '53 Oost', '54 West', '55 - 56 West', '56 - 57 West', '57 Oest', '58 West', '58 Oest', '59 - 60 West - 80 Oest', '61 - 62 West en Oost', and '63 - 64 West'. The top left of the map shows a legend for 'Bodemkaart van Nederland (1:50.000)' and a list of historical map series from various countries and periods. The top right corner shows a 'Catalogus' and 'Google Earth' interface.

# Gebruik van de nieuwe bladwijzer-site

## Werkwijze na het aanmaken van de index:

1. Scannen (historische) kaartreeks → .tif  
nodig: A0-scanner + p.c. + moderne software  
kaart en legenda elk apart scannen
2. ---
3. ---
4. ---
5. ---
6. ---
7. ---

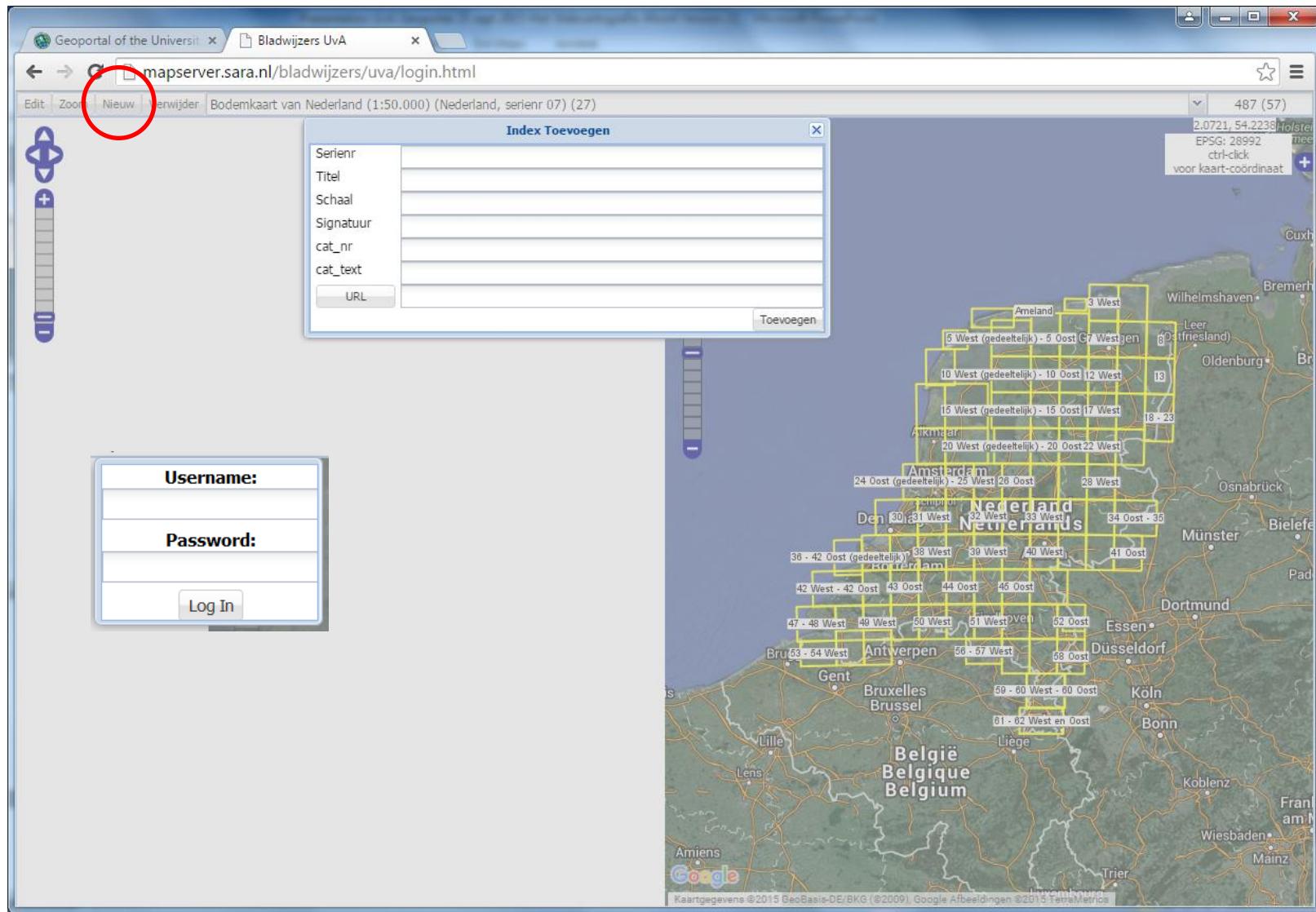


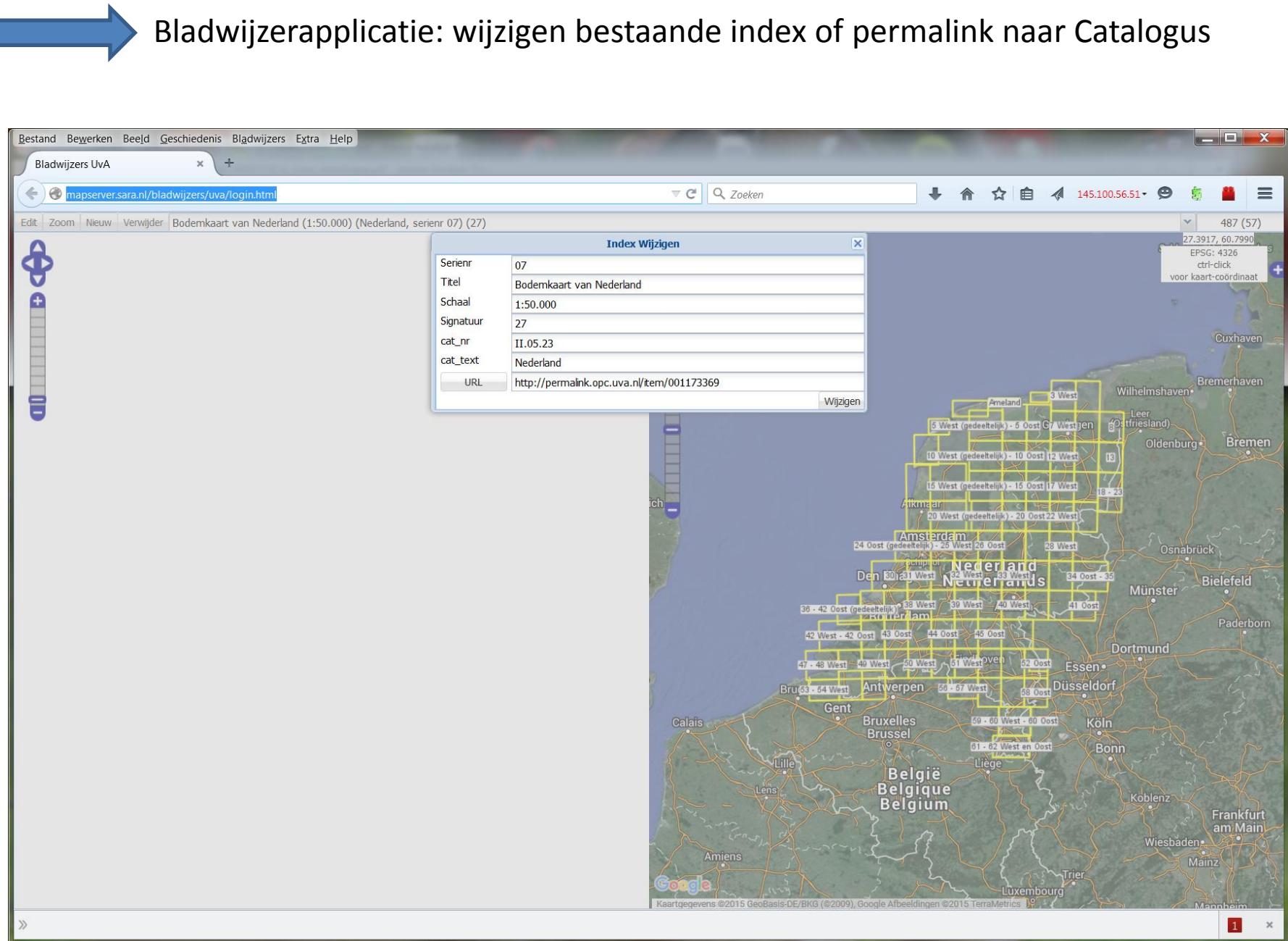
# Gebruik van de nieuwe bladwijzer-site

Werkwijze na het aanmaken van de index:

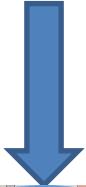
1. ---
2. Scan uploaden naar de bladwijzerapplicatie  
en kaartblad beschrijven (metadata)
3. ---
4. ---
5. ---
6. ---
7. ---

## Bladwijzerapplicatie (beheerder): invoeren nieuwe index en URL naar UvA-HvA Catalogus





## Bladwijzer-site (gebruiker) → Cataloguskoppeling (UB-inventaris)



Screenshot of a web-based map application showing the Dutch cadastral map (Bodemkaart van Nederland, 1:50,000 scale, series 07) overlaid with a grid of 1:250,000 scale Bladnummers (map sheets).

The map shows the following Bladnummers (Map Sheets) highlighted with yellow boxes:

- North: 3 West, 0 Oost
- Central North: 5 West (gedeeltelijk), 6 Oost, 7 West, 8 Oost
- Central: 10 West (gedeeltelijk), 11 Oost, 12 West, 13 Oost, 17 West, 18 Oost, 19 West, 20 West (gedeeltelijk), 21 Oost, 22 Oost, 24 Oost (gedeeltelijk), 25 West, 26 Oost, 27 West, 28 West, 29 Oost, 30 Oost, 31 Oost, 32 West, 33 Oost, 34 West, 35 Oost, 36 Oost, 37 Oost, 38 West, 39 Oost, 40 West, 41 Oost, 42 West, 43 Oost, 44 West, 45 Oost, 46 West/Oost, 47 Oost, 48 Oost, 49 Oost, 50 West, 51 Oost, 52 West, 53 Oost, 54 Oost, 55 Oost, 56 - 57 West, 58 Oost, 59 - 60 West, 61 Oost, 62 Oost (fragment), 63 - 64 West, 65 Oost, 66 Oost, 67 Oost, 68 Oost, 69 Oost, 70 Oost, 71 Oost, 72 Oost, 73 Oost, 74 Oost, 75 Oost, 76 Oost, 77 Oost, 78 Oost, 79 Oost, 80 Oost, 81 - 82 West en Oost
- South: 18 Oost (gedeeltelijk), 19 Oost, 20 Oost, 21 Oost, 22 Oost, 23 Oost, 24 Oost, 25 Oost, 26 Oost, 27 Oost, 28 Oost, 29 Oost, 30 Oost, 31 Oost, 32 Oost, 33 Oost, 34 Oost, 35 Oost, 36 Oost, 37 Oost, 38 Oost, 39 Oost, 40 Oost, 41 Oost, 42 Oost, 43 Oost, 44 Oost, 45 Oost, 46 Oost, 47 Oost, 48 Oost, 49 Oost, 50 Oost, 51 Oost, 52 Oost, 53 Oost, 54 Oost, 55 Oost, 56 - 57 West, 58 Oost, 59 - 60 West, 61 Oost, 62 Oost (fragment), 63 - 64 West, 65 Oost, 66 Oost, 67 Oost, 68 Oost, 69 Oost, 70 Oost, 71 Oost, 72 Oost, 73 Oost, 74 Oost, 75 Oost, 76 Oost, 77 Oost, 78 Oost, 79 Oost, 80 Oost, 81 - 82 West en Oost

A callout box labeled "Blad" displays the following information:

Blad			
Bladnummer 32 West			
140000	475000	160000	475000
140000	450000	160000	450000

Below the table, a dropdown menu lists:

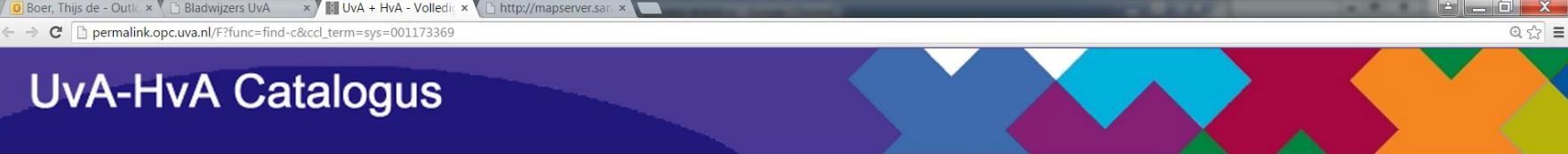
- Amersfoort-1966-
- Amersfoort-1966-
- Amersfoort-1966-gekleurd

The top right corner of the map interface has a toolbar with the following options:

- Catalogus
- Google Earth
- EPSG: 28992
- ctrl-click
- Voorbeeld-coördinaat
- + (zoom in)
- (zoom out)

At the bottom left, there is a "Google" logo and a copyright notice: "Kaartgegevens ©2015 GeoBasis-DE/BKG (©2009), Google Afbeeldingen ©2015 TerraMetrics".

# → Permalink naar de UvA-HvA Catalogus

Boer, Thijs de - Outline Bladwijzers UvA UvA + HvA - Volledige ... http://mapserver.sar... 

## UvA-HvA Catalogus

E-shelf | Zoekgeschiedenis | Zoekresultaten Mijn Account | Einde Sessie | Hulp | Vraag? | 

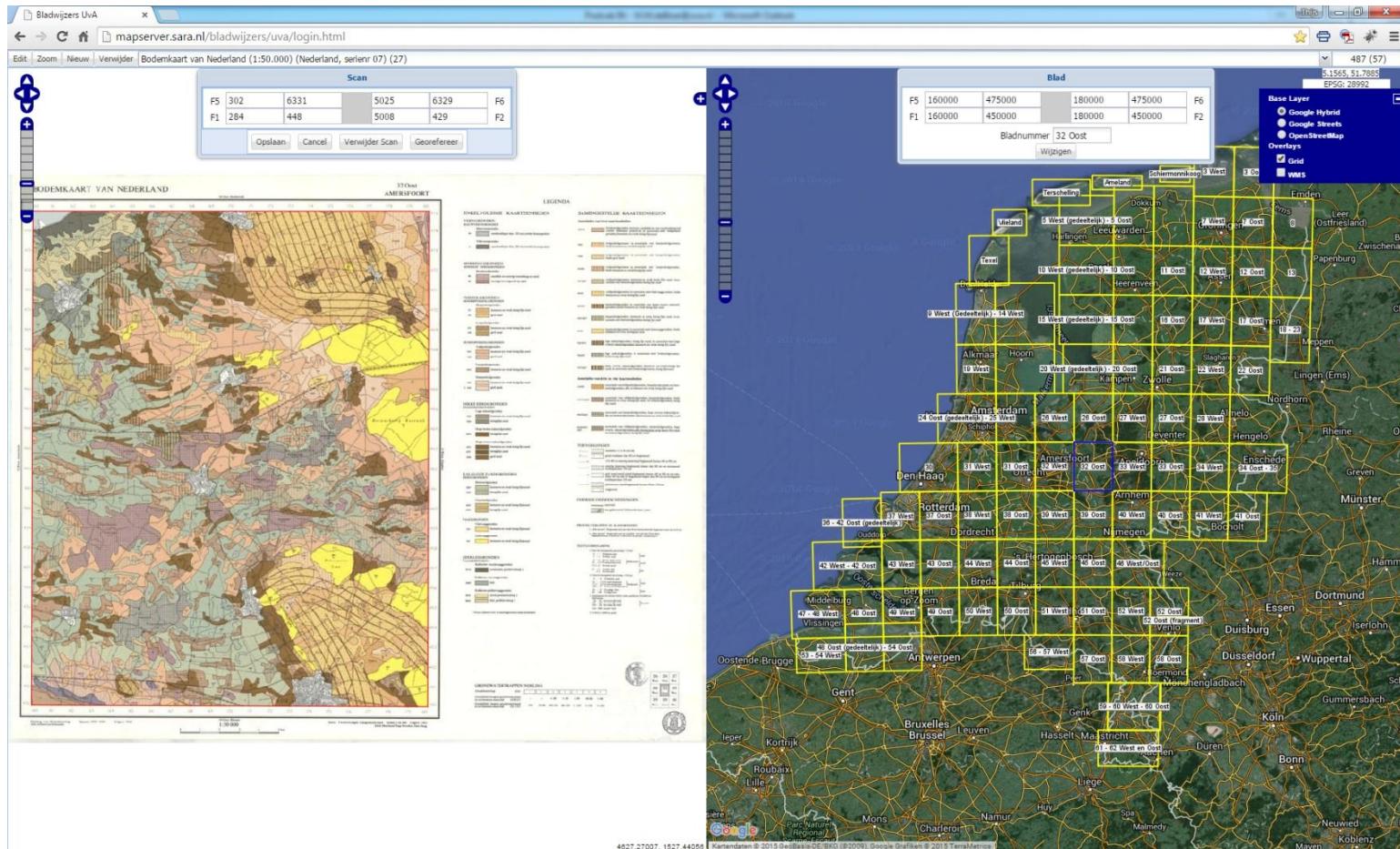
Zoeken Geavanceerd Zoeken Bladeren

Naar E-shelf | Exporteer

Item 1 van 1

	<a href="#">SHARE</a>
<b>Titel</b>	Bodemkaart van Nederland / Stichting voor Bodemkartering
<b>Organisatie</b>	 <a href="#">Stichting voor Bodemkartering, Wageningen</a>  <a href="#">DLO-Staring Centrum, Instituut voor onderzoek van het Landelijk Gebied, Wageningen</a>
<b>Schaal</b>	Schaal 1:50.000
<b>Uitgever</b>	 <a href="#">Wageningen</a> <a href="#">Stichting voor Bodemkartering [et al.]</a>
<b>Jaar</b>	[1950-....]
<b>Drukker</b>	Den Haag : Marchand Paap Strooker [et al.]
<b>Collatie</b>	.. krt offset, in kleur elk bl. 56,9 x 69,3 cm
<b>Annotatie</b>	Compleet in 62 bl., verdeeld in O.- en W.-halfbladen (samenvallend met de bladsnede der Top. Kaart 1:50.000) Met toelichting
<b>Systematische codes</b>	 <a href="#">IL5.23, 3.2.7.1</a>
<b>Basisclassificatie</b>	 <a href="#">38.60 bodemkunde (aardwetenschappen)</a>
<b>Trefwoorden GOO</b>	 <a href="#">Bodemtypen</a>  <a href="#">Kaarten (vorm)</a>
<a href="#">Toon beschikbaarheid</a>	
<b>Locatie</b>	Bijzondere Collecties 
<b>Permalink</b>	<a href="http://permalink.opc.uva.nl/item/001173369">http://permalink.opc.uva.nl/item/001173369</a>  

# Bladwijzerapplicatie: upload bodemkaart

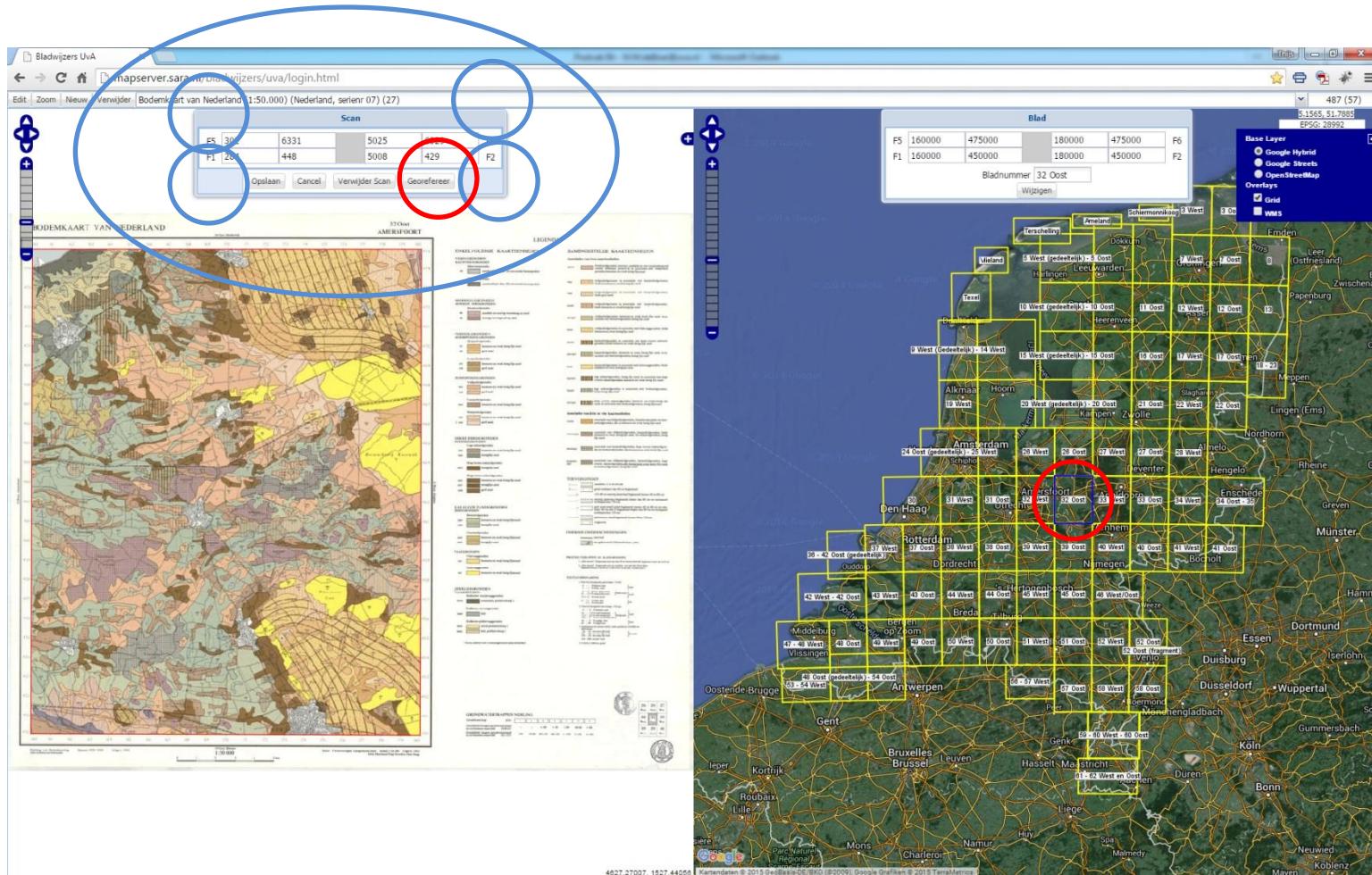


# Gebruik van de nieuwe bladwijzer-site

Werkwijze na het aanmaken van de index:

1. ---
2. ---
3. Blad-scans toewijzen aan index:  
Bepalen hoekpunten kaartblad in coördinaten van  
de projectie van het kaartblad
4. ---
5. ---
6. ---
7. ---

Bladwijzerapplicatie: bodemkaart – georeferentie met hoekpunten binnen een ingevoerd grid → coördinaten komen in de tabel door klikken in de kaart

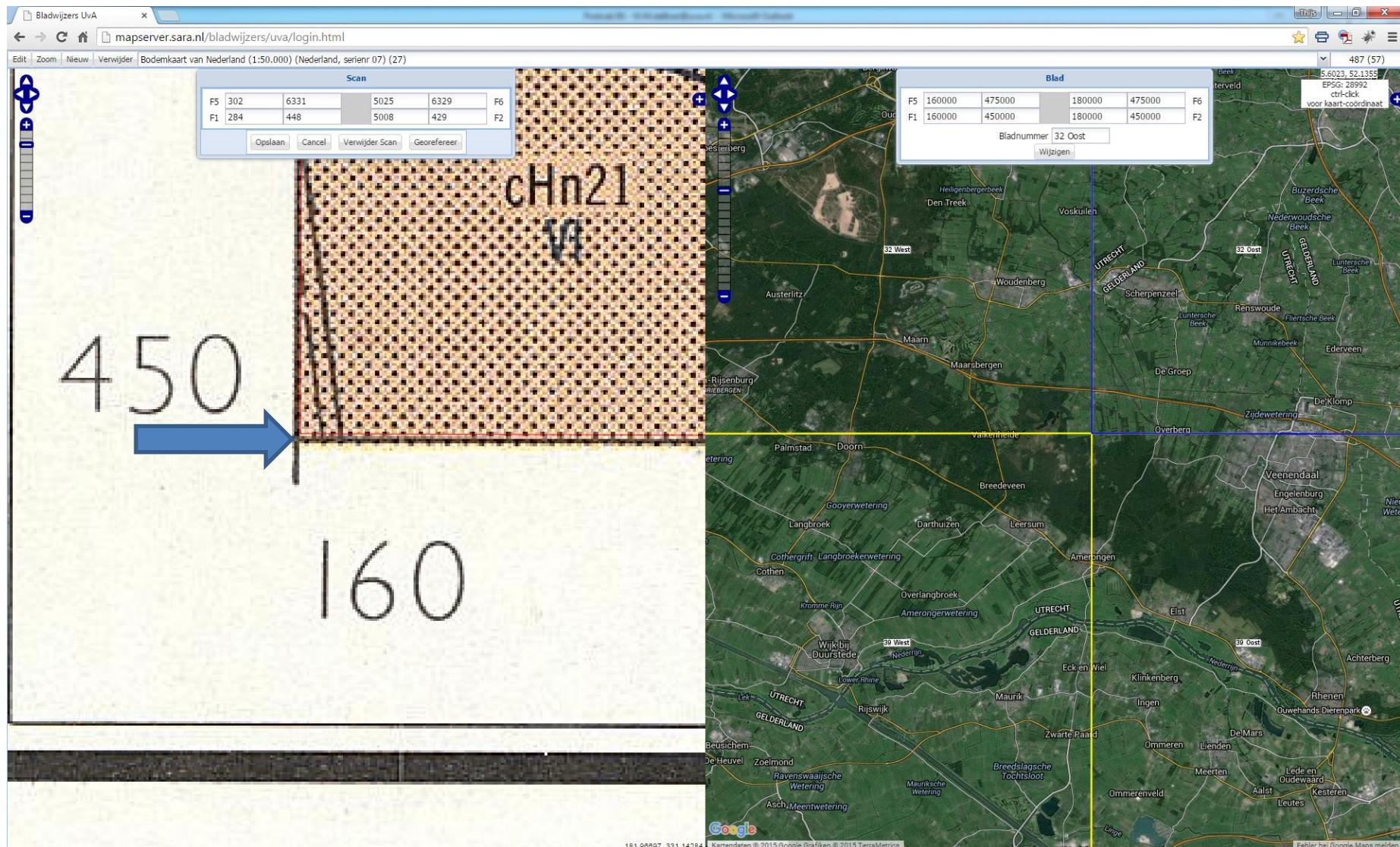


# Gebruik van de nieuwe bladwijzer-site

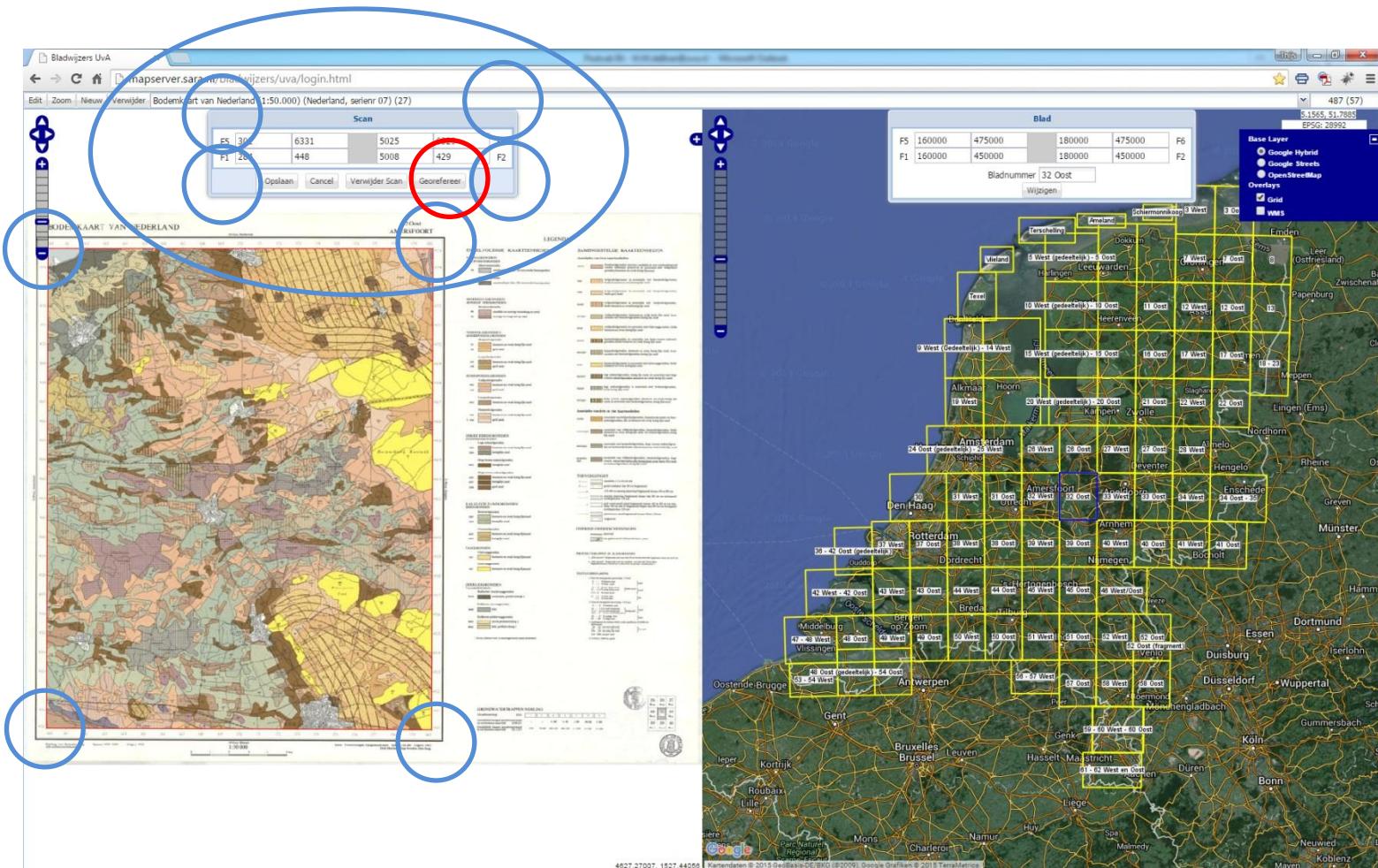
Werkwijze na het aanmaken van de index:

1. ---
2. ---
3. ---
4. Aanwijzen van de hoekpunten op de scan
5. ---
6. ---
7. ---

## Aanwijzen van de hoekpunten op de scan



# Bladwijzerapplicatie: bodemkaart – georeferentie met hoekpunten binnen een ingevoerd grid



F5=hoekpunt linksboven,  
aanwijzen met F5-knop en  
evt. in de kaart of handmatig  
invoeren

## Bladwijzerapplicatie

F6=hoekpunt rechtsboven

N

Blad

Omhoog	<input type="checkbox"/>				
Links	<input type="checkbox"/>	Toevoegen	Verwijderen	<input type="checkbox"/>	Rechts
Omlaag	<input type="checkbox"/>				

**F5** 178000 350000 206000 350000 **F6**  
**F1** 178000 325000 206000 325000 **F2**

Bladnummer 68 West - 68

**Wijzigen**

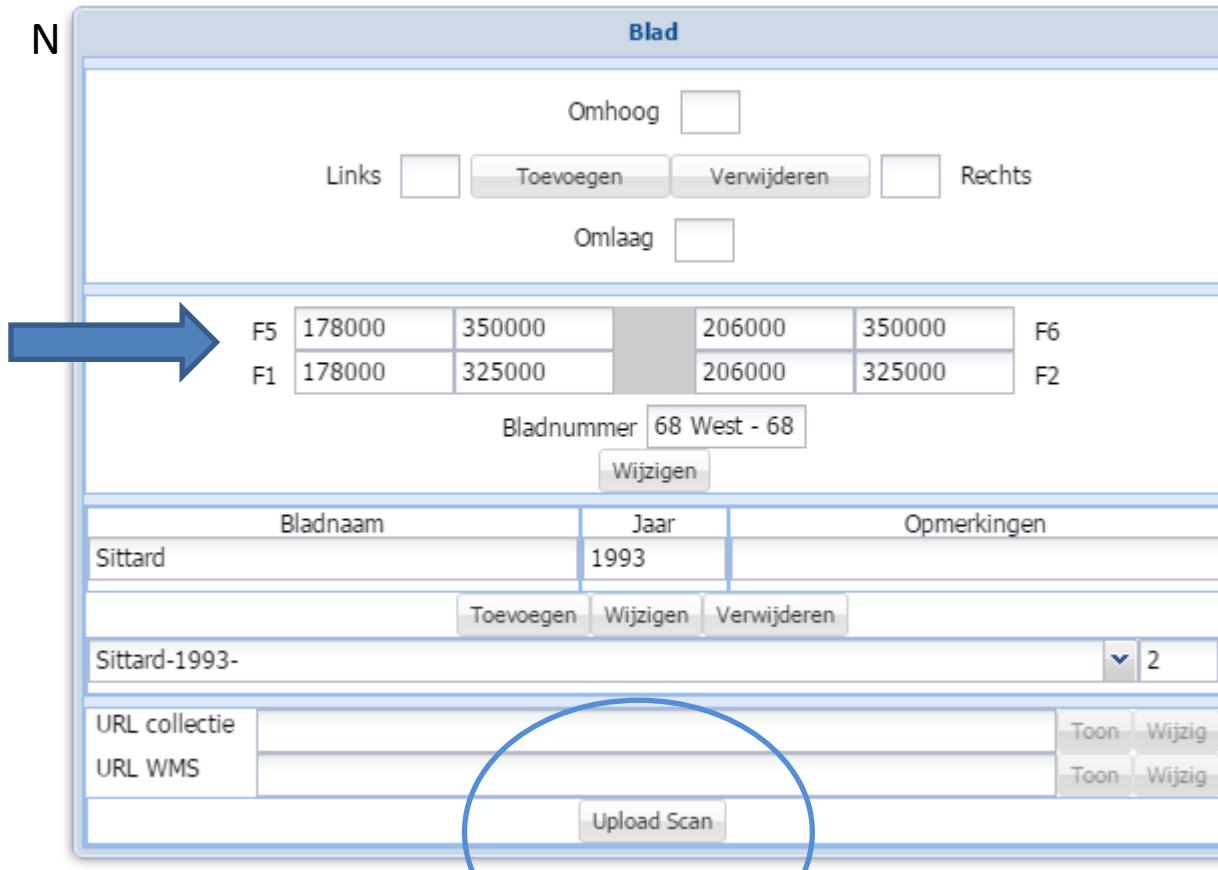
Bladnaam	Jaar	Opmerkingen
Sittard	1993	

**Toevoegen** **Wijzigen** **Verwijderen**

Sittard-1993- 2

URL collectie	<b>Toon</b>	<b>Wijzig</b>
URL WMS	<b>Toon</b>	<b>Wijzig</b>

**Upload Scan**



F1=hoekpunt linksonder,  
aanwijzen met F1-knop en  
evt. in de kaart of handmatig  
invoeren

F2=hoekpunt rechtsonder

# Gebruik van de nieuwe bladwijzer-site

Werkwijze na het aanmaken van de index:

1. ---
2. ---
3. ---
4. ---
5. De tif wordt een geotiff
6. ---
7. ---

# Gebruik van de nieuwe bladwijzer-site

Werkwijze na het aanmaken van de index:

1. ---
2. ---
3. ---
4. ---
5. ---
6. Er wordt een WMS aangemaakt van de geotiff
7. ---

# WMS van de bodemkaart

http://mapserver.sara.nl/bladwijzers/uva//scan.php?indexgid=125&gridgid=49&sheetgid=88&subdir=ref&epsg=28992&layers=scan

Boer, Thysi de - Outle Bladwijzers UvA

mapserver.sara.nl/bladwijzers/uva/

Bodemkaart van Nederland (1:50.000) (Nederland, serienr 07) (27)

Catalogus Google Earth

5 3405 52 1473  
EPSG-28992  
ctrl-click voor kaart-coördinaat

Bladnummer 32 West

140000	475000	160000	475000
140000	450000	160000	450000

Amersfoort-1966-  
Amersfoort-1966-  
Amersfoort-1966-gekleurd

Bladnummer 32 West

140000	475000	160000	475000
140000	450000	160000	450000

Amersfoort-1966-gekleurd

URL collectie

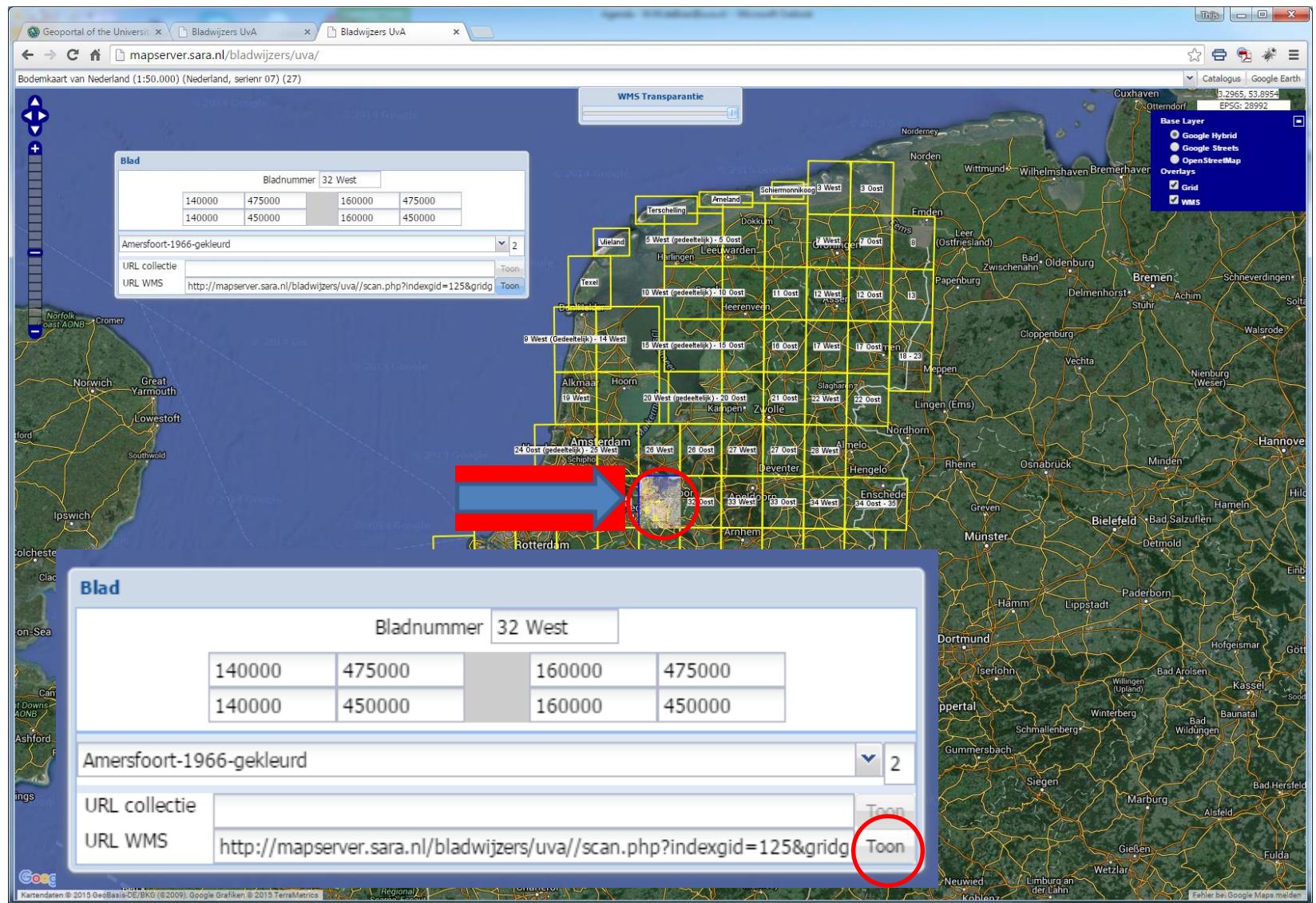
URL WMS

http://mapserver.sara.nl/bladwijzers/uva//scan.php?indexgid=125&gridgid=49&sheetgid=88&subdir=ref&epsg=28992&layers=scan

Toon

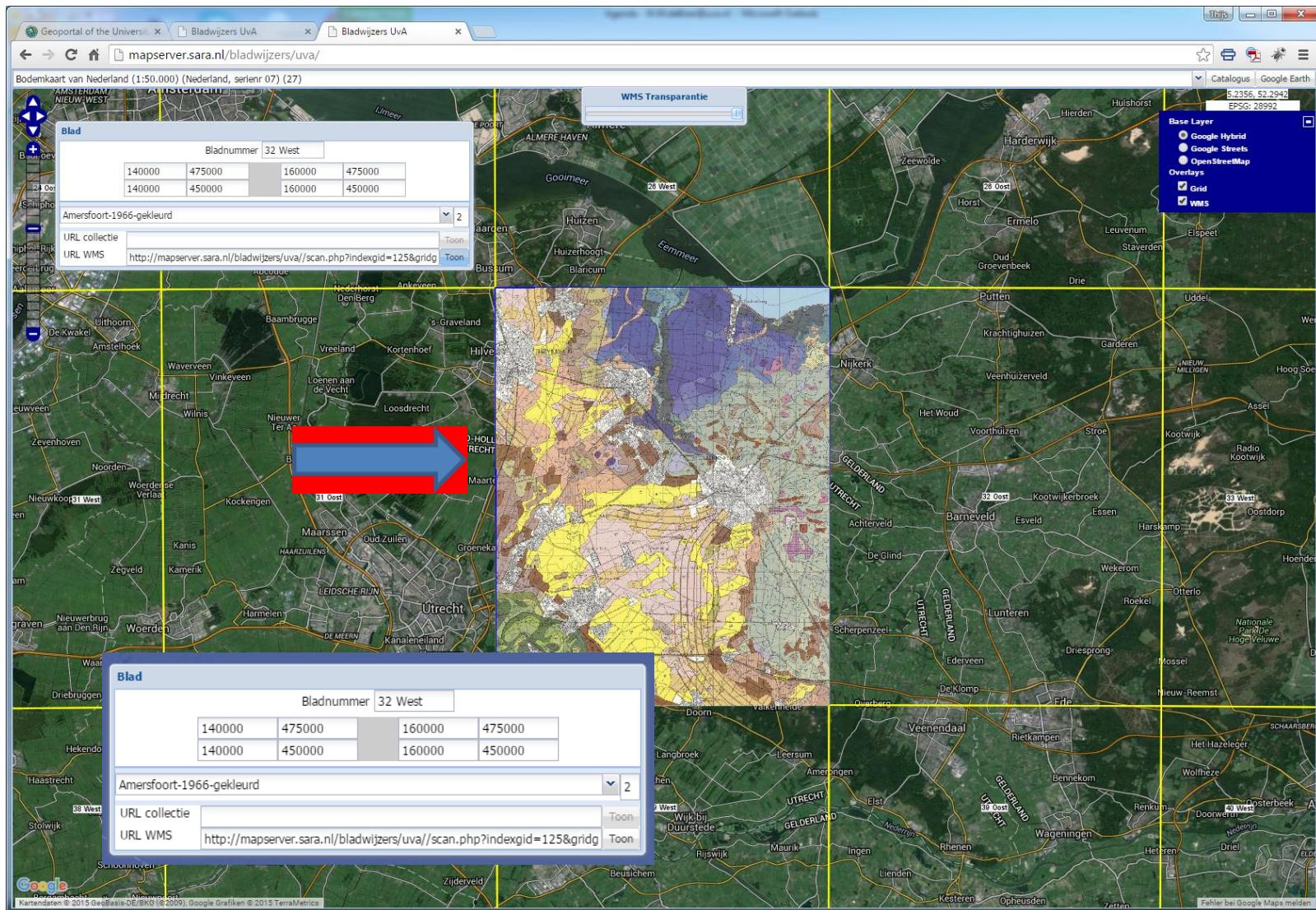
## WMS van de bodemkaart

<http://mapserver.sara.nl/bladwijzers/uva//scan.php?indexgid=125&gridgid=49&sheetgid=88&subdir=re&epsg=28992&layers=scan>

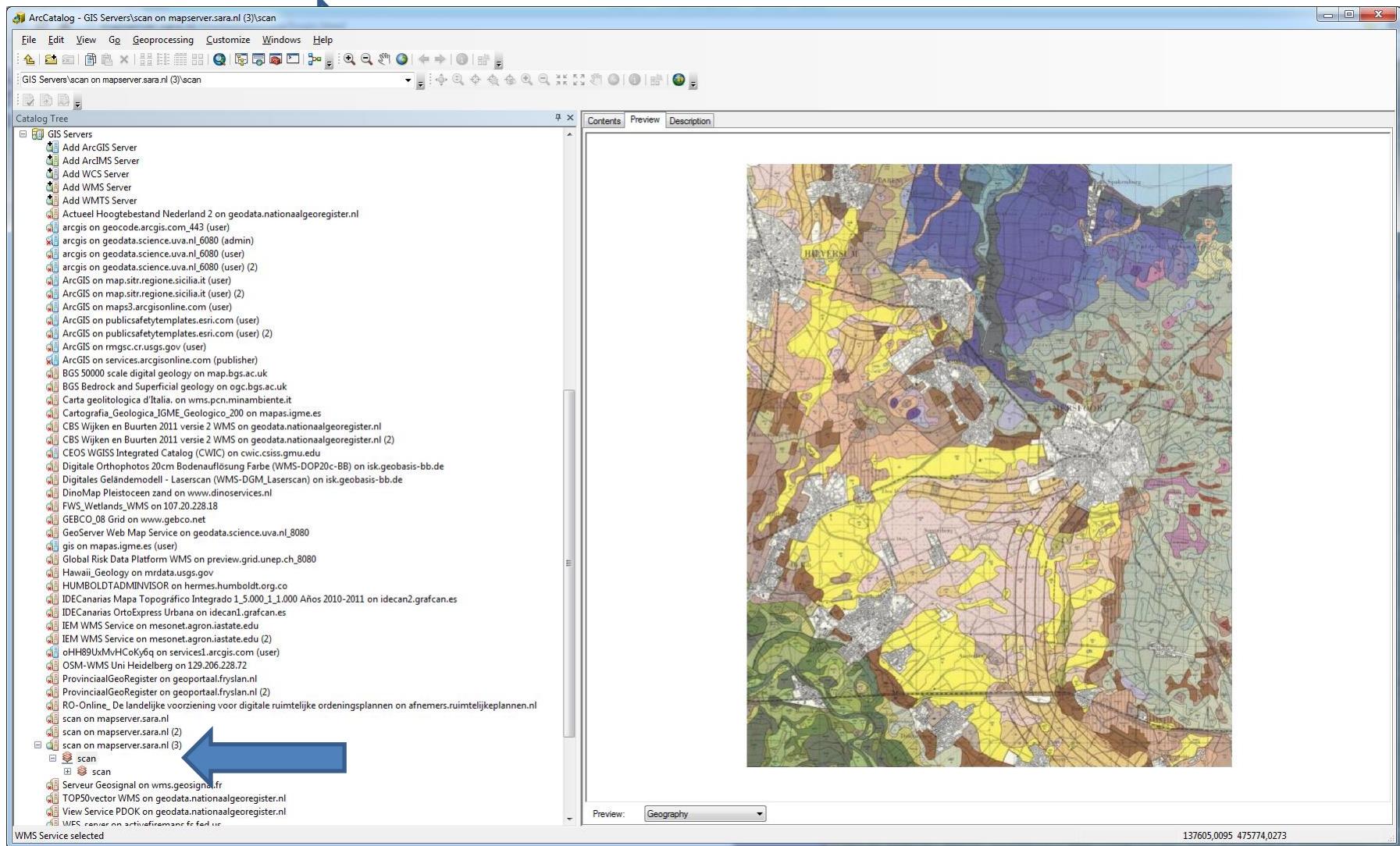


## WMS van de bodemkaart

<http://mapserver.sara.nl/bladwijzers/uva//scan.php?indexgid=125&gridgid=49&sheetgid=88&subdir=re&epsg=28992&layers=scan>



# WMS van de bodemkaart in ArcCatalog, kan ook in QGIS of andere GIS-applicatie

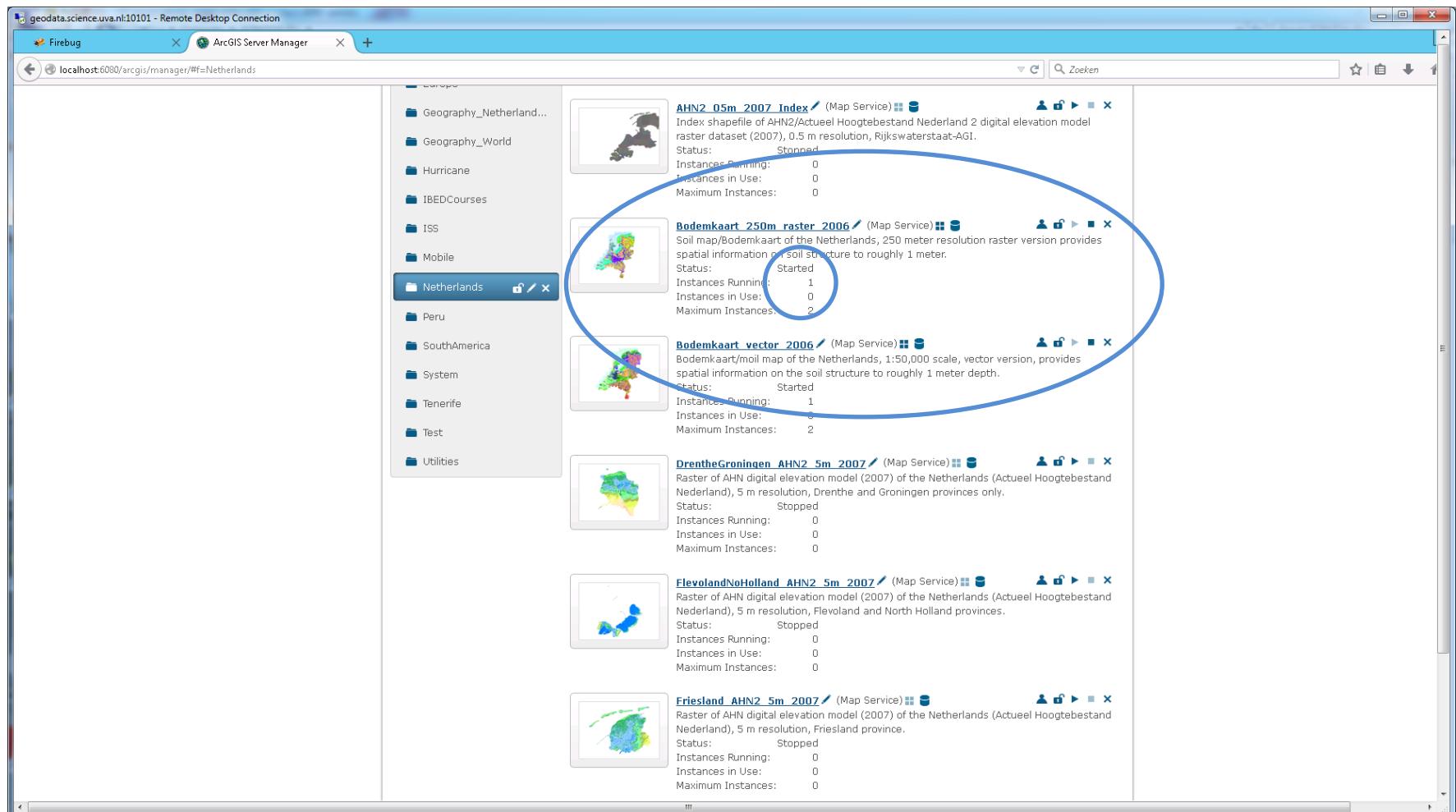


# Gebruik van de nieuwe bladwijzer-site

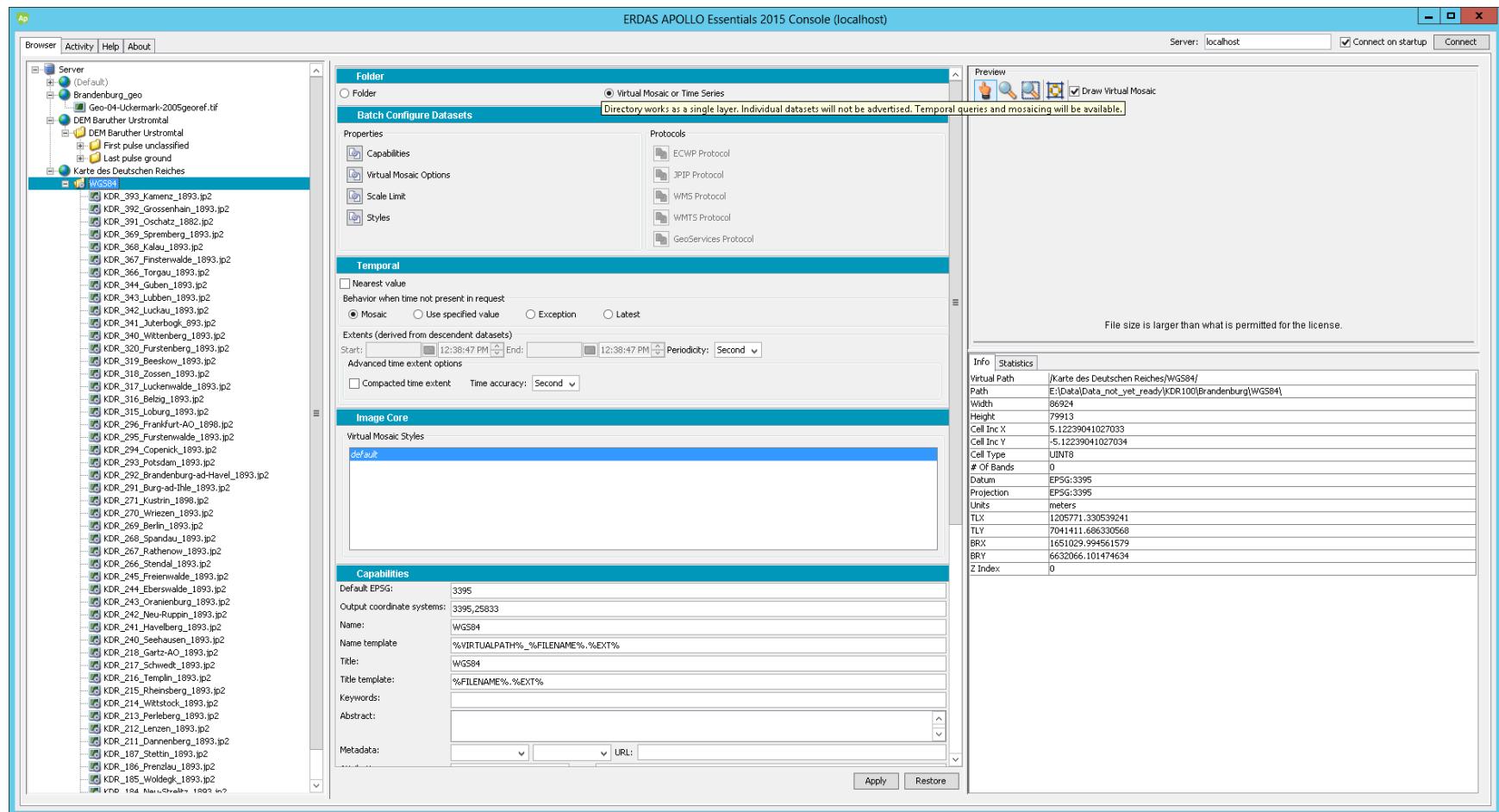
Werkwijze na het aanmaken van de index:

1. ---
2. ---
3. ---
4. ---
5. ---
6. ---
7. Deze WMS kan in het UvA Geoportaal  
aangeboden worden of de geotiff kan als basis  
van een ArcGIS Server Service gebruikt worden

# Bodemkaart wordt ook als ArcGIS Server service aangeboden → ArcGIS Server Manager



# Erdas Apollo Web Server wordt ingezet voor grote rasterbestanden



# Gebruik van de nieuwe bladwijzer-site

Alle stappen nogmaals op een rij

Werkwijze na het aanmaken van de index:

1. Scannen (historische) kaartreeks → .tif
2. Scan uploaden naar de bladwijzerapplicatie
3. Bladen toewijzen aan index:  
Bepalen hoekpunten kaartblad in coordinaten van de projectie van het kaartblad
4. Aanwijzen van de hoekpunten op de scan
5. De tif wordt een geotiff
6. Er wordt een WMS aangemaakt van de geotiff
7. Deze WMS kan in het UvA Geoportaal aangeboden worden of de geotiff kan als basis van een ArcGIS Server Service gebruikt worden

# WMS te vinden in Browse-tabblad van het UvA-Geoportaal

The screenshot shows the Geoportal of the University of Amsterdam interface. At the top, there are tabs for HOME, SEARCH, BROWSE (which is highlighted with a blue circle), and DOWNLOAD GEODATA NETHERLANDS. Below these, a main content area displays a catalog of services. A large blue circle highlights the list of services on the right side of the page.

Expand the catalog tree by clicking the plus signs and go to Live Map Services to view all of the data currently in the UvA catalog. The catalog can be filtered using the box below. To view the data, click Add to Map or Preview. Click Open to view metadata; metadata will also be embedded in downloaded datasets.

ArcGIS provides services that can be used as base maps in Geographic Services: Services from ArcGIS Online. Click on Open, select a service, then click on the name of the software you would like to use to view the file in the View In section at the top of the page.

**Catalog**

- Content Type
  - Geographic Services
  - Live Map Services

149 results    Filter    Clear  
Showing 1-10    1 2 3 4 5 > Last

**Bodemkaart van Nederland (raster 50)**  
The Soil Map of The Netherlands (1:50.000) describes the most important features until a depth of 1,20 meters. The sheet publication dates range from the 1960's till the 1980's. The up-to-date vector file can also be found in the UvA Geoportal, as well a...  
[Open](#) [Preview](#) [Globe \(.kml\)](#) [ArcGIS \(.nmf\)](#) [ArcGIS \(.lyr\)](#) [Add To Map](#) [Details](#)  
[Metadata](#)

**Soil Geographical Database of Eurasia 2001**  
The Soil Geographical Database of Eurasia at Scale 1:1,000,000 is part of the European Soil Information System (EUSIS). It is the resulting product of a collaborative project involving all the European Union and neighbouring countries. It is a simplified r...  
[Open](#) [Preview](#) [Globe \(.kml\)](#) [ArcGIS \(.nmf\)](#) [ArcGIS \(.lyr\)](#) [Add To Map](#) [Details](#)  
[Metadata](#)

**Germany Geologische Uebersichtskarte 09 Teltow Fläming**  
The Geologische Übersichtskarten is a series of geological maps created by the Landesvermessung und Geobasisinformation Brandenburg (LGB). This map covers the district of Teltow-Fläming in the state of Brandenburg, Germany. It was created in 2005 and makes...  
[Open](#) [Preview](#) [Globe \(.kml\)](#) [ArcGIS \(.nmf\)](#) [ArcGIS \(.lyr\)](#) [Add To Map](#) [Details](#)  
[Metadata](#)

**Germany Geologische Uebersichtskarte 10 Dahme Spreewald**  
This map covers the district of Dahme-Spreewald in the state of Brandenburg, Germany. It was created in 2005 and makes use of a topographical underlay which is taken from the Topographische

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[http://geodata.science.uva.nl:6080/arcgis/rest/services/Netherlands/Bodemkaart\\_van\\_Nederland\\_Raster\\_50/MapServer](http://geodata.science.uva.nl:6080/arcgis/rest/services/Netherlands/Bodemkaart_van_Nederland_Raster_50/MapServer)

Geoportal of the University of Amsterdam

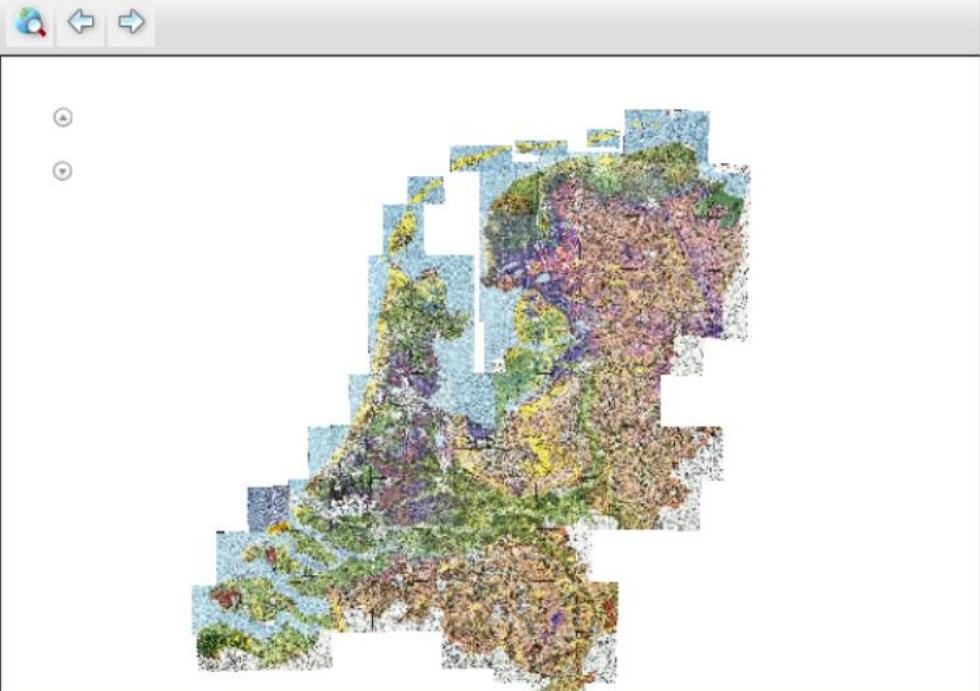
Login Help About Feedback

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Details Review Relationships **Preview**

URL: [http://geodata.science.uva.nl:6080/arcgis/rest/services/Netherlands/Bodemkaart\\_van\\_Nederland\\_Raster\\_50/MapServer](http://geodata.science.uva.nl:6080/arcgis/rest/services/Netherlands/Bodemkaart_van_Nederland_Raster_50/MapServer)

Embed: <iframe src="[http://geodata.science.uva.nl:8080/geoportal/catalog/livedata/embed.jsp?url=http%3A%2F%2Fgeodata.science.uva.nl%3A8080/arcgis/rest/services/Netherlands/Bodemkaart\\_van\\_Nederland\\_Raster\\_50/MapServer](http://geodata.science.uva.nl:8080/geoportal/catalog/livedata/embed.jsp?url=http%3A%2F%2Fgeodata.science.uva.nl%3A8080/arcgis/rest/services/Netherlands/Bodemkaart_van_Nederland_Raster_50/MapServer)">



 Bodemkaart van Nederland (raster 50)

The Soil Map of The Netherlands (1:50.000) describes the most important features until a depth of 1,20 meters. The sheets publication dates range from the 1960's till the 1980's. The up-to-date vector file can also be found in the UvA Geoportal, as well a...

[Open Preview Globe \(.kml\)](#) [ArcGIS \(.nmf\)](#) [ArcGIS \(.lyr\)](#) [Add To Map](#) [Details](#) [Metadata](#)

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Geoportal of the University of Amsterdam

[HOME](#)

SEARCH

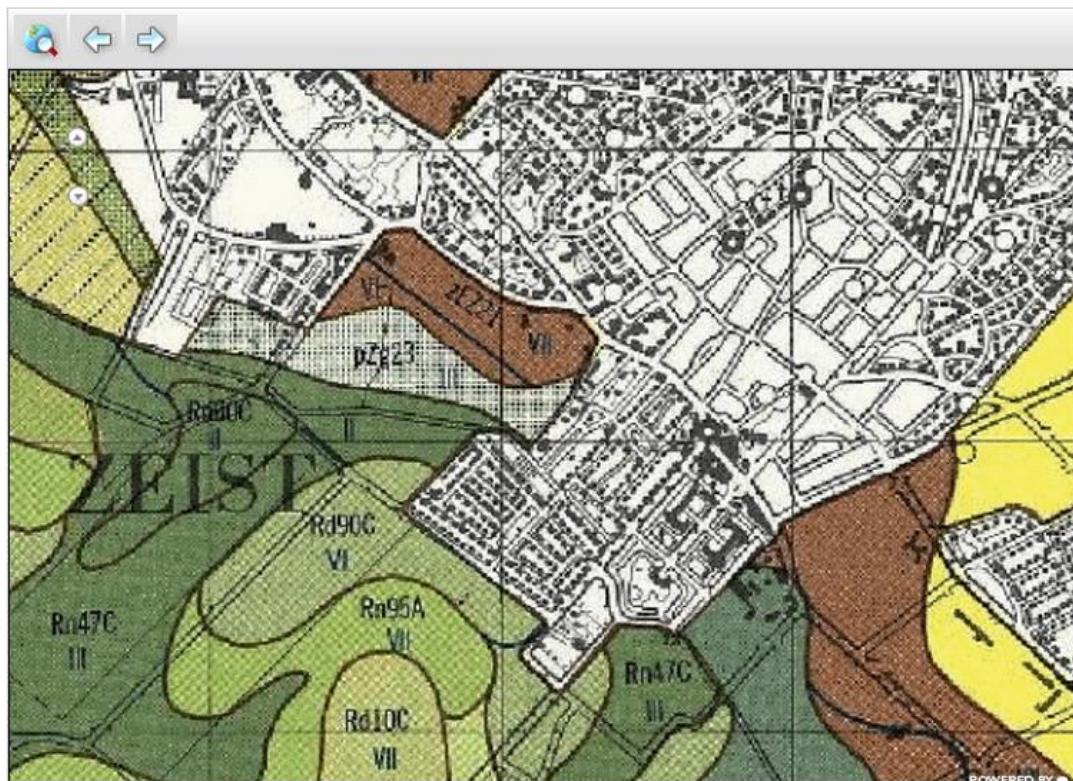
## BROWSE

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**Details**   **Review**   **Relationships**   **Preview**

URL: [http://geodata.science.uva.nl:6080/arcgis/rest/services/Netherlands/Bodemkaart\\_van\\_Nederland\\_Raster\\_50/MapServer](http://geodata.science.uva.nl:6080/arcgis/rest/services/Netherlands/Bodemkaart_van_Nederland_Raster_50/MapServer)  
Embed: <iframe src="http://geodata.science.uva.nl:8080/geoportal/catalog/livedata/embed.jsp?url=http%3A%2F%2Fgeodata.science.uva.nl%3A6080/arcgis/rest/services/Netherlands/Bodemkaart\_van\_Nederland\_Raster\_50/MapServer"></iframe>



 Bodemkaart van Nederland (raster 50)

The Soil Map of The Netherlands (1:50.000) describes the most important features until a depth of 1.20 meters. The sheets publication dates range from the 1960's till the 1980's. The up-to-date vector file can also be found in the UvA Geoportal, as well as...

[Open](#) [Preview](#) [Globe \(.kml\)](#) [ArcGIS \(.nmf\)](#) [ArcGIS \(.lyr\)](#) [Add To Map](#)  
[Details](#) [Metadata](#)

De Bodemkaart is ook te vinden in het UvA-Geoportaal via het Search-tabblad → zo kom je op de clickable maps

The screenshot shows the search results for the query "bodem" on the Geoportal of the University of Amsterdam. A blue arrow points from the left towards the search bar. Another blue circle highlights the "SEARCH" button in the top navigation bar. A large blue arrow points from the search bar down to the world map viewer. A second blue circle highlights the "De Bodemkaart van Nederland" entry in the search results list, which is highlighted with a yellow background. This entry includes a description, "Details", "Metadata", and "Zoom To" buttons.

Results 1-8 of 8 record(s)

Expand results [Zoom To Results](#) [Zoom To Searched Area](#)

- Soil Map of Tenerife
- CORINE Land Cover Murcia
- CORINE Land Cover Tenerife
- Geological / lithological map Quillcay Peru
- Soil data Quillcay Peru
- De Bodemkaart van Nederland  
This Clickable Map lets you download individual sheets (with legend) of the soil map of the Netherlands. The soil map describes the most important features until a depth of 1,20 meters. The sheets publication dates range from the 1960's till the 1980's. T...  
[Details](#) [Metadata](#) [Zoom To](#)
- Grondsoorten\_vector\_2006
- Soil Geographical Database of Eurasia 2001

See results through REST  
API: [GEORSS](#) [ATOM](#) [HTML](#) [FRAGMENT](#) [KML](#) [JSON](#) [CSV](#)

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GIS-studio.nl    Geoportal of the Universit...    Geoportal of the Universit...

geodata.science.uva.nl:8080/geoportal/catalog/search/resource/details.page?uuid=%7BE13F7FD2-7B4E-4FCA-A94F-CC6E21D3A11F%7D

This    Minimize    Maximize    Close

# Geoportal of the University of Amsterdam

HOME SEARCH BROWSE DOWNLOAD GEODATA NETHERLANDS DOWNLOAD WITH WORLD MAP VIEWER

Details Review Relationships

## De Bodemkaart van Nederland

**Identification Information:**

**Citation:**

**Citation Information:**

**Originator:** Alterra, Research Instituut voor de Groene Ruimte  
**Publication Date:** Unknown

**Title:** De Bodemkaart van Nederland

**Online Linkage:**  
<http://geodata.science.uva.nl/UvAGeodata/ClickableMaps/World/Europe/Netherlands/BodemkaartNL/BodemNL.html>

**Description:**

**Abstract:** This Clickable Map lets you download individual sheets (with legend) of the soil map of the Netherlands. The soil map describes the most important features until a depth of 1,20 meters. The sheets publication dates range from the 1960's till the 1980's. The up-to-date vector file can also be found in the UvA-Geoportal.----- Deze Clickable Map laat een index-blad zien voor de individuele kaartbladen (met legende) van de bodemkaart van Nederland. De bodemkaart beschrijft de belangrijkste kenmerken van de bodem tot een diepte van 1,20 meter. De kaartbladen zijn gepubliceerd in de periode 1960-1980. Een meer recente, digitale versie staat als vector-bestand in de UvA-Geoportal.

**Purpose:** Locating and downloading all the individual, original map sheets of the soil map of the Netherlands in your area of interest.----- Localiseren en downloaden van de individuele, originele kaartbladen van de bodemkaart van Nederland in van je onderzoeksgebied.

**Time Period of Content:**

**Time Period Information:**

**Single Date/Time:**  
**Calendar Date:** 20141013

**Currentness Reference:** publication date

**Status:**

**Progress:** Complete  
**Maintenance and Update Frequency:** As needed

**Spatial Domain:**

**Bounding Coordinates:**

**West Bounding Coordinate:** 2.7  
**East Bounding Coordinate:** 8.2275  
**North Bounding Coordinate:** 54.699  
**South Bounding Coordinate:** 49.3365

**Keywords:**

**Theme:**

**Theme Keyword Thesaurus:** [http://www.isotc211.org/2005/resources/Codelist/gmxCodelists.xml#MD\\_KeywordTypeCode](http://www.isotc211.org/2005/resources/Codelist/gmxCodelists.xml#MD_KeywordTypeCode)  
**Theme Keyword:** farming  
**Theme Keyword:** planningCadastre  
**Theme Keyword:** environment  
**Theme Keyword:** geoscientificInformation

**Access Constraints:** None  
**Use Constraints:** None

**Metadata Reference Information:**

**Metadata Date:** 200309  
**Metadata Contact:**

**Contact Information:**

**Contact Organization Primary:**

Details Review Relationships

De Bodemkaart van Nederland

**Identification Information:**

**Citation:**

**Citation Information:**

**Originator:** Alterra, Research Instituut voor de Groene Ruimte  
**Publication Date:** Unknown

**Title:** De Bodemkaart van Nederland

**Online Linkage:**  
<http://geodata.science.uva.nl/UvAGeodata/ClickableMaps/World/Europe/Netherlands/BodemkaartNL/BodemNL.html>

**Description:**

**Abstract:** This Clickable Map lets you download individual sheets (with legend) of the soil map of the Netherlands. The soil map describes the most important features until a depth of 1,20 meters. The sheets publication dates range from the 1960's till the 1980's. The up-to-date vector file can also be found in the UvA-Geoportal.----- Deze Clickable Map laat een index-blad zien voor de individuele kaartbladen (met legende) van de bodemkaart van Nederland. De bodemkaart beschrijft de belangrijkste kenmerken van de bodem tot een diepte van 1,20 meter. De kaartbladen zijn gepubliceerd in de periode 1960-1980. Een meer recente, digitale versie staat als vector-bestand in de UvA-Geoportal.

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**Time Period of Content:**

**Time Period Information:**

**Single Date/Time:**  
**Calendar Date:** 20141013

**Currentness Reference:** publication date

**Status:**

**Progress:** Complete  
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**Spatial Domain:**

**Bounding Coordinates:**

**West Bounding Coordinate:** 2.7  
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**South Bounding Coordinate:** 49.3365

**Keywords:**

**Theme:**

**Theme Keyword Thesaurus:** [http://www.isotc211.org/2005/resources/Codelist/gmxCodelists.xml#MD\\_KeywordTypeCode](http://www.isotc211.org/2005/resources/Codelist/gmxCodelists.xml#MD_KeywordTypeCode)  
**Theme Keyword:** farming  
**Theme Keyword:** planningCadastre  
**Theme Keyword:** environment  
**Theme Keyword:** geoscientificInformation

**Access Constraints:** None  
**Use Constraints:** None

**Metadata Reference Information:**

**Metadata Date:** 200309  
**Metadata Contact:**

**Contact Information:**

**Contact Organization Primary:**

**How to use the Clickable Map**

Click on the index-code that overlays the area of your interest. This will open a download link to a compressed folder that includes the corresponding geotiff file and legend.

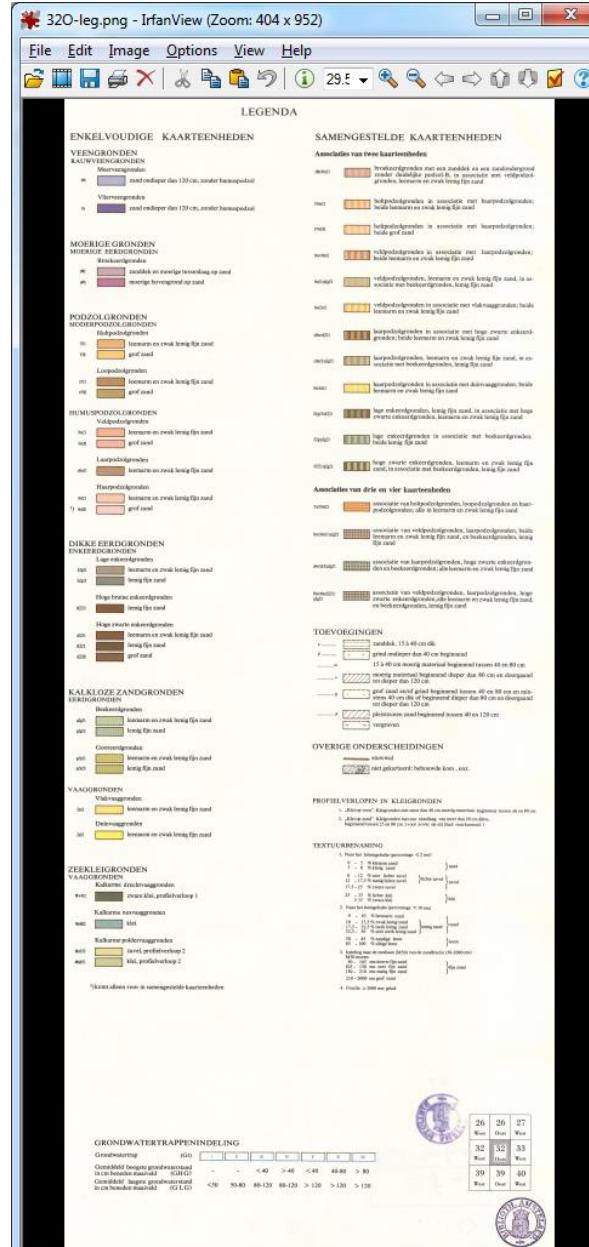
The [Alterra Report S11](#) includes a detailed legend and context information in Dutch.

This map was last updated on: 13-10-2014

For questions send an e-mail to the [GIS-studio](#) at the Faculty of Science, the Universiteit van Amsterdam.

Legenda van de bodemkaart kan apart gedownload worden in het UvA-Geoportaal

Name	Type	Compressed size	Password ...	Size	Ratio	Date modified
32W.tif	IrfanView TIFF File	11.173 KB	No	11.173 KB	0%	3-2-2014 15:38
32W-leg.png	IrfanView PNG File	7.387 KB	No	7.387 KB	0%	13-10-2014 14:41



Legenda van de bodemkaart kan apart gedownload worden in het UvA-Geoportaal

# Clickable Maps zijn ook te openen via startpagina onderaan

HOME

SEARCH

BROWSE

DOWNLOAD GEODATA NETHERLANDS

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The UvA Geoportal was developed to facilitate the efficient exchange of geodata within the UvA community. Geodata is georeferenced spatial data such as satellite images, aerial photographs, and GIS layers having a geographical reference. Each dataset has metadata providing background information and use limitations.

Search for geodata using the Find Data box below or conduct more advanced searches from the [Search](#) page. For instruction on advanced querying, read [ESRI's Using Lucene Search Text Queries](#).

View all of the data currently in the UvA catalog from the [Browse](#) page.

Data can be downloaded using the [Download Geodata Netherlands](#) page (for data located exclusively in the Netherlands) or the [Download with World Map Viewer](#) for data located outside the Netherlands. The Download with World Map Viewer allows the user to download a zip file containing selected data using the Data Extraction tool. After selecting the data and geographic extent, push Extract to receive a link to the file.

A pdf of [more complete instructions](#) can be downloaded here; we encourage course instructors to distribute this pdf to your students if you would like them to use the Geoportal for their studies.

Please be patient when viewing data as it may take several seconds for large datasets to appear and finish downloading. Larger datasets have been cached, a process which speeds up visualization; however, cached data often cannot be viewed at the largest and smallest scales. Therefore, if you are having trouble getting data to appear, try zooming in to the country level. Also, if you are viewing a dataset and then it suddenly disappears when you try to zoom in to the city level or smaller, this is probably due to caching and is not an error. Downloading the data will give you the full scale range to work with.



Click to download datasets using the UvA Geoportal Clickable Maps

For questions or to become a data contributor, contact the [UvA GIS-studio](#).

# Metadata-invoer via:

- ArcMap
- of via de INSPIRE-website: <http://inspire-geoportal.ec.europa.eu/editor/>

The screenshot shows the INSPIRE GEOPORTAL Metadata Editor. At the top, there's a header with the European Commission logo and the text "INSPIRE GEOPORTAL Enhancing access to European spatial data". Below the header is a navigation bar with links like "New", "Open", "Validate", "Save", "Save as template", "Help", and "About". The main title is "INSPIRE Spatial Dataset - en". On the right side of the header, there are language selection buttons for various European languages. The main content area is titled "Metadata on metadata". It contains several expandable sections: "Metadata point of contact (\*)" which has fields for "Point of contact 1" (with "Organisation name (\*)" and "E-mail (\*)" fields), "Metadata date" (set to "2015-09-25"), and "Metadata language (\*" (set to "english"). A note at the bottom says "(\*) This field is mandatory". To the right of the form, there's a large empty white area.

This XML file does not appear to have any style information associated with it. The document tree is shown below.

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<?xml version="1.0"?>
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    This Clickable Map lets you download individual sheets (with legend) of the soil map of the Netherlands. The soil map describes the most important features until a depth of 1,20 meters. The sheets publication dates range from the 1960's till the 1980's. The up-to-date vector file can also be found in the UVA Geoportal.-----
    Deze Clickable Map laat een index-blad zien voor de individuele kaartbladen (met legenda) van de bodemkaart van Nederland. De bodemkaart beschrijft de belangrijkste kenmerken van de bodem tot een diepte van 1,20 meter. De kaartbladen zijn gepubliceerd in de periode 1960-1988. Een meer recente, digitale versie staat als vector-bestand in de UvA Geoportal
  </abstract>
  <purpose>
    Locating and downloading all the individual, original map sheets of the soil map of the Netherlands in your area of interest.-----
    Localiseren en downloaden van de individuele, originele kaartbladen van de bodemkaart van Nederland in van je onderzoeksgebied.
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  <cntinfo>
    <cntorg>
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    </cntorg>
    <cntaddr>
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      <city>Wageningen</city>
      <state>Gelderland</state>
    </cntaddr>
  </cntinfo>
</metadata>
```

De bodemkaart is op nog 2 manieren te vinden in het UvA Geoportaal

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# UvA Geoportaal – bodemkaart in download Geodata Netherlands tabblad → clip, zip and ship (e-mail)

geodata.science.uva.nl:8080/geoportal/catalog/download/download.page

Geoportal of the University of Amsterdam

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Step 1: Delimit an area of interest using the "Draw Desired Area" tool

Pan/Zoom with: Draw Desired Area:



Step 2: Select data by checking the box(es) next to data layer name(s)

- Agrarisch\_Areaal\_Nederland\_2011
- Amsterdam\_buildings\_2011
- Amsterdam\_railways\_2009
- Amsterdam\_roads\_2010
- Amsterdam\_stations\_2011
- AmsterdamNorth\_buildings\_2011
- Bodemkaart\_250m\_raster\_2006
- Bodemkaart\_vector\_2006
- Geologie\_vector\_2010
- Geomorfologie\_vector\_2008
- Grondsoorten\_vector\_2006
- LGN1\_landuse\_1987
- LGN2\_landuse\_1994
- LGN3plus\_landuse\_1997
- LGN4\_landuse\_2000
- LGN5\_landuse\_2004
- NLD\_adm2\_2009

Step 3: Fill in your email address and click "Download". Select your preferred data format or use the default settings. The email may arrive to your Junk box.

e-mail address: w.m.deboer@uva.nl

Feature format: File Geodatabase - GDB - .gdb

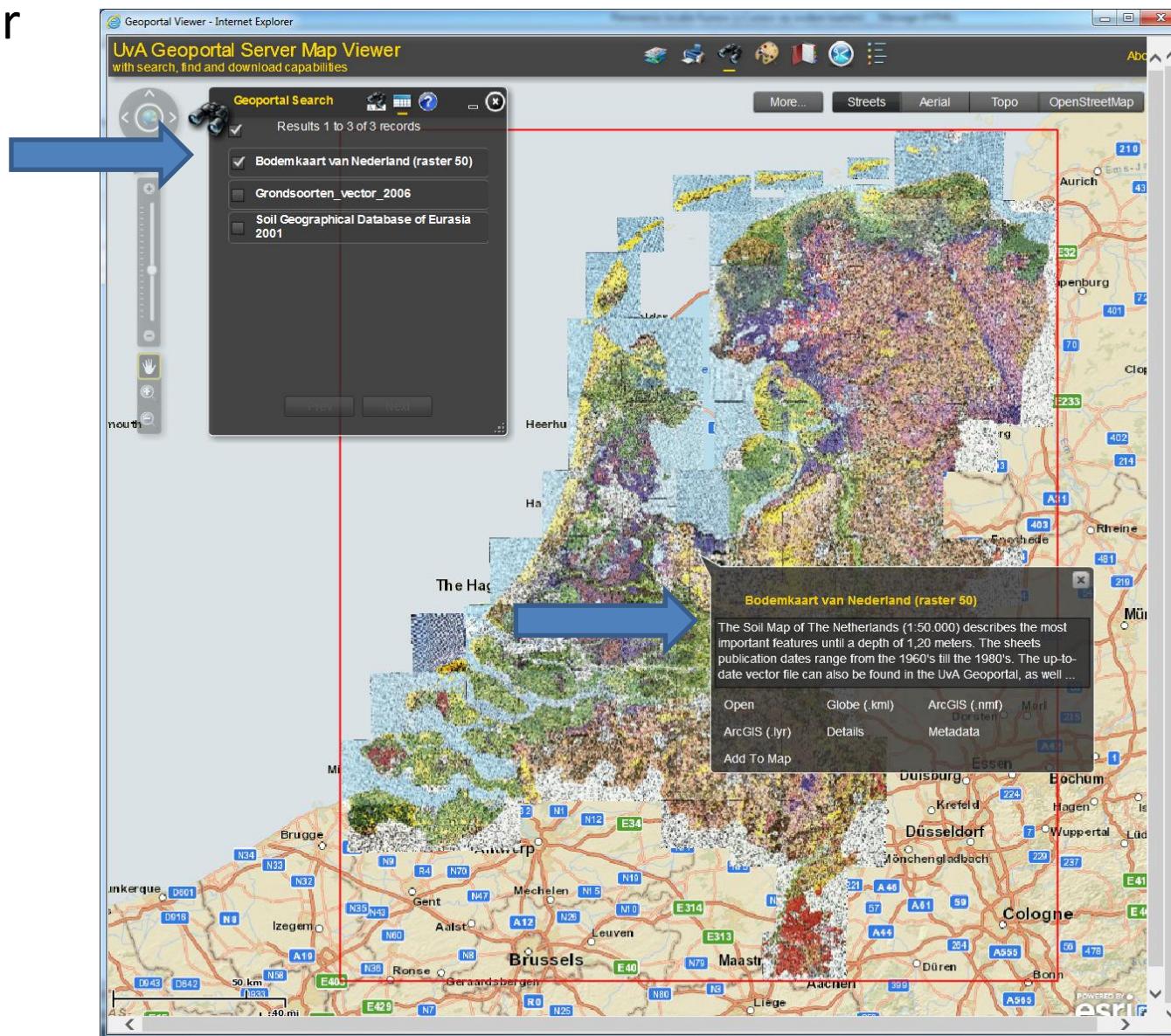
Raster format: Tagged Image File Format - TIFF - .tif

Download

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# UvA Geoportaal – bodemkaart in World viewer

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# Geoportal of the University of Amsterdam

**IBED**



**FMG**

**Bedankt voor uw  
aandacht !**

