



# GEONYMS

An African Geographical Names  
Database Tool

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# GEONYMS

- Geographical names database tool being developed by UNECA
- Collect /validate geographical names (Toponyms)
- To be used by Geographical Names Authorities of Member states

# WHY GEONYMS?

- Provide African countries a free tool thereby:
  - Increase Nationally approved (correct) names
  - Encourage African countries to setup or strengthen geographical names authorities
  - Implement an African UNGEGN Geographical Names DB as part of Regional SDI and/or databases parallel to Euro GeoNames project



# THE APPLICATION

The screenshot shows the GeoNyms application interface. At the top, there is a header with the application title and a language dropdown menu. Below the header, there is a welcome message and a table of latest secretariat news. The table has three columns: Headline, Date, and Author. Below the table, there is a 'Monitoring and Usage' section with various statistics.

GeoNyms - National Gazetteer Application for Toponyms

Welcome to GeoNyms - National Gazetteer Application for Toponyms  
An Initiative of United Nations Economic Commission for Africa (UNECA)

Latest Secretariat News

Headline	Date	Author
New Zealand adopts UNGaz	Thu Jan 15 00:00:00 GMT+0300 2009	UNGEGN Secretariat
Forthcoming Workshop on Marine Toponyms: Rome, Italy; May 20-22, 2009	Wed Jan 14 00:00:00 GMT+0300 2009	Helen Kerfoot
New UNGaz Release	Mon Jan 12 00:00:00 GMT+0300 2009	UNGEGN Secretariat
Staff Changes at the Secretariat	Mon Jan 12 00:00:00 GMT+0300 2009	UNGEGN Secretariat
Welcome to UNGaz	Sat Jan 10 00:00:00 GMT+0300 2009	UNGEGN Secretariat

Monitoring and Usage

Local	Global	Invalid Coordinates	Memory Usage (Kb)
7,022	11,325,005	27	28316
Added Last 24 Hour	834	Approved	Flash Player Ver. WIN 10,0,12,36
Added Last 7 Days	37	2,940	Screen Resolution 1280 x 720
Added month to date	1,135	Not Approved	Printing Enabled Yes/True
Added Year to Date	711	301,647	Internet Connection false
		Pending	
		1407	
		3-0	
		Last Backup	
		3-Jan-2011	

- Designed around three core non-functional requirements (Ideas)

- To increase usability, extensibility and availability

- Open source, Platform Independence, Architectural Interoperability

# OPEN SOURCE

- No proprietor tools employed
  - Development: Adobe Flex AIR/ActionScript 3.0
  - RDBMS: SQLite
- GPL : no payment of any sort
- Member states can extend
  - Enterprise- multi user system
  - Web component
  - Social networking component

# PLATFORM INDEPENDENT

- Runs on all known platforms
- AIR applications built with Flex use the high-performance, cross-operating system virtual machine from Adobe Flash® Player software
- Use proven, open technologies such as Tamarin, WebKit, and SQLite.



# ARCHITECTURAL COMPATIBILITY

- Designed with input from UNGEGN experts to include standard dataset Make it easier to exchange
- Member States -> African SDI names DB -> Global(UNGEGN) DB.

# UNECA'S SUPPORT

- The development team @eca is determined to provide technical support and work on improvements that may be asked by county experts.
- It Will be more encouraging to have countries picking it up and using it.



The background of the slide is a large, faded, light blue version of the United Nations logo. It features a central map of the world surrounded by a laurel wreath, all enclosed within a circular grid pattern.

TO BE CONTINUED ...

# Multilingual ->English and French are implemented ... Arabic coming

## Wellcome à GeoNyms - l'Application d'Index géographique Nationale pour Toponymes

Une Initiative de Nations unies Economiques Comande pour Afrique



### Les dernières Nouvelles de Secrétariat

Gros titre	Date	Auteur
New Zealand adopts UNGaz	Thu Jan 15 00:00:00 GMT+0300 2009	UNGEEN Secretariat
Forthcoming Workshop on Marine Toponyms: Rome, Italy; May 20-22, 2009	Wed Jan 14 00:00:00 GMT+0300 2009	Helen Kerfoot
New UNGaz Release: Version 2.1	Mon Jan 12 00:00:00 GMT+0300 2009	UNECA
Staff Changes at the Secretariat	Mon Jan 12 00:00:00 GMT+0300 2009	UNGEEN Secretariat
Welcome to UNGaz	Sat Jan 10 00:00:00 GMT+0300 2009	UNGEEN Secretariat

### Interception et Usage

	Local	Global		
Le nombre de Toponymes	7,032	11,322,905	L'invalidé Coordonne	27
Supplémentaire Dernier 24 heure	0	634	Approuvé	3006
Supplémentaire Dernier 7 Jours	37	2,940	Pas Approuvé	285
Mois supplémentaire pour Dater	105	12,488	En attendant	4407
An supplémentaire pour Dater	711	301,647	Version	1.0
			Dernière Sauvegarde	3-Jan-20011

Pick a Setting Type from the Dropdown

FeatureTypes

- Church
- Monument
- Mosque
- Place Name
- Square

Admin Division

- ▼ Madagascar
  - region1-Madagaskar
  - region2-Madagaskar

# Adaptable to National settings

1. Feature Types
2. Feature Statuses
3. Administrative Divisions

+

-

 Update Name Change



Load Excel File... | Import to Database

Name	Language	Lat.(decimal Degrees)
------	----------	-----------------------

# Importing facility

From MS. Excel

Please point to your data Excel File

Look in: GeoNyms

- .metadata
- .settings
- bin-debug
- bin-debug\_backup
- documents
- libs
- src
- Botswana.xls**
- Copy of importTemplate.xls
- ethiopia.xlsx
- ethiopia-modified.xls
- importTemplate.xls
- importTemplate\_1.xls

File name: Botswana.xls

Files of type: Ms Excel

Open | Cancel

Admin. Division



## Dataset organized in to logical groups

Welcome

New Feature

**General** Location Notes Audio / Visual Metadata Mapping

### General Information

Name:

Feature Type

Admin Division

region1-Madagaskar

region2-Madagaskar

Language

Status

Priority



Feature GUID

Feature ID

### Alternate Toponyms

Endonyms

Language

Endonyms	Language

+

Arabic

-

Exonyms

Language

Exonyms	Language

+

Arabic

-



Save

Save and Close

Cancel

**Location**

Lat

Long.

Map Sheet

Elevation (m)

Bounding Box

**Validation**

Valid Coordinates

Coordinate System

UTM Grid

**Location Note**





### Miscellaneous Feature Notes

It is near the UNECA compound

### Historical Narrative / Notes

It got the name 'Abiot Adebabay' from the revolution, Abiot->revolution in Amaharic...

Update

Update and Close

Delete

Images 



enter a description or caption here

Pronunciation 



Pronounce

Video 



Play Pause Stop



Update Update and Close Delete

### Data Source(s)

Ethiopian Mapping office

### Metadata

Created By

yosiph mekasha

Last Edited By

Created On

◀ April 2009 ▶

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	<b>30</b>		

Update

Update and Close

Delete





## Features

Name	Record Status	Type
<h1>Filtering &amp; Exporting facility</h1>		
Implemented now		
1. xls		
2. Csv		
Planned:		
3. Shape files		
4. XML		

### Search parameters

Name:

Feature Type

Status

Admin Division

- region1-Madagaskar
- region2-Madagaskar

**Latitude**

Min.

Max.

**Longitude**

Min.

Max.



# HOW TO GET IT

Visit

<http://geoinfo.uneca.org/geonyms>

The website is broken now but will continue in the coming weeks

Contact : Yoseph Mekasha

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# USERS

1. MADAGASCAR - STARTED USING IT
2. EGYPT, BOTSWANA, ETHIOPIA ARE TRYING IT USING THERE OWN DATA
3. KENYA, CAMERON ... SHOWED INTEREST AND WE WILL BE HELPING THEM TO RUN THE TESTS AND GET THEM STARTED



# Thank you,

Yoseph Mekasha :

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