

AFRICA ENVIRONMENT INFORMATION NETWORK
ASSESSMENT OF INFORMATION MANAGEMENT CAPACITY
AND DATA RESOURCES

Inventory Questionnaire Part 1:
NETWORKING AND INFORMATION MANAGEMENT CAPACITY

This questionnaire is part of an assessment of the status of environmental information management and networking capacity in Africa. It will serve as the basis for establishing a comprehensive inventory on environmental information resources as part of the development of a data foundation in support of environmental reporting processes. Your responses to the questions below will assist in establishing the current status of environmental information networking in your country, and the needs that have to be addressed in order to make environmental information management and networking more functional and efficient in your country, within the framework of the Africa Environment Information Network (AEIN).

One copy of this form should be completed per organisation or unit within the organisation as may be appropriate.

Section 1: Contact Details

1. **Name of person completing questionnaire:**
2. **Tel**(Country-City-Number):
3. **Email:**
4. **Name of organisation:**
5. **Acronym:**
6. **Full physical address:**
7. **Full postal address:**
8. **Tel** (Country-City-Number):
9. **Fax** (Country-City-Number):
10. **Email:**
11. **Web site:**
12. **Head of organisation:(Prof./Dr./Mr./Mrs./Ms.)**
13. **Designation:**
14. **Direct Tel. No.** (Country-City-Number):
15. **Email:**

Section 2: Networking and Partnerships

1. **How could your organisation contribute most effectively to AEIN?**
 - a)
 - b)
 - c)
2. **What are the three key things that you would expect from AEIN?**
 - a)
 - b)
 - c)

3. Please provide details of the environment and sustainable development information networks, steering groups or committees with which your organisation is involved:

Network, steering group or committee	Coordinate	Facilitate	Participate	Support
a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

4. Estimate how many organisations regularly provide data or information to your organisation. Provide details of the most important of these as follows:

Organisation	Data or information provided	Formal agreement/MoU
a)		<input type="checkbox"/> yes <input type="checkbox"/> no
b)		<input type="checkbox"/> yes <input type="checkbox"/> no
c)		<input type="checkbox"/> yes <input type="checkbox"/> no
d)		<input type="checkbox"/> yes <input type="checkbox"/> no
e)		<input type="checkbox"/> yes <input type="checkbox"/> no

5. Estimate how many organisations regularly receive data or information from your organisation. Provide details of the most important of these as follows:

Organisation	Data or information received	Formal agreement/MoU
a)		<input type="checkbox"/> yes <input type="checkbox"/> no
b)		<input type="checkbox"/> yes <input type="checkbox"/> no
c)		<input type="checkbox"/> yes <input type="checkbox"/> no
d)		<input type="checkbox"/> yes <input type="checkbox"/> no
e)		<input type="checkbox"/> yes <input type="checkbox"/> no

6. Your organisation may also share other resources, for example expertise and facilities. Provide details of the most important of these as follows:

Organisation	Nature of cooperation	Formal agreement/MoU
a)		<input type="checkbox"/> yes <input type="checkbox"/> no
b)		<input type="checkbox"/> yes <input type="checkbox"/> no
c)		<input type="checkbox"/> yes <input type="checkbox"/> no
d)		<input type="checkbox"/> yes <input type="checkbox"/> no
e)		<input type="checkbox"/> yes <input type="checkbox"/> no

7. Please provide details of any partnerships that are being planned in the near future:

Organisation	Proposed cooperation
a)	
b)	
c)	

Section 3: Institutional Description
1. Which of the following best describes your organisation (tick all that may apply)?

- | | |
|--|--|
| <input type="checkbox"/> Governmental | <input type="checkbox"/> Local authority |
| <input type="checkbox"/> Semi-governmental | <input type="checkbox"/> Private |
| <input type="checkbox"/> Academic | <input type="checkbox"/> Research |
| <input type="checkbox"/> Non-governmental | <input type="checkbox"/> Non-profit |
| <input type="checkbox"/> Other (please specify): | |

2. What is the mandate of your organisation (add extra sheets if necessary)?
3. At what levels does your organisation operate (tick all that may apply)?

- | | | |
|--|--|--|
| <input type="checkbox"/> International | <input type="checkbox"/> Sub-regional | <input type="checkbox"/> National |
| <input type="checkbox"/> State (or similar) | <input type="checkbox"/> Provincial (or similar) | <input type="checkbox"/> District (or similar) |
| <input type="checkbox"/> Local government (City) | <input type="checkbox"/> Other (please specify): | |

4. Is your organisation providing information to support any the following (please tick all that may apply):
National Plans and Strategies

- | | |
|--|---|
| <input type="checkbox"/> National Environmental Action Plan | <input type="checkbox"/> National Conservation Strategy |
| <input type="checkbox"/> Integrated Coastal Management Plans | <input type="checkbox"/> Soil Conservation Management Plans |
| <input type="checkbox"/> Sustainable Forest Management Plans | <input type="checkbox"/> Integrated Water Resource Management Plans |
| <input type="checkbox"/> Other (please specify) | |

5. Regional/sub-regional agreements and International Conventions:

- | | |
|--|---|
| <input type="checkbox"/> Lusaka Agreement | <input type="checkbox"/> Nairobi Convention |
| <input type="checkbox"/> Abidjan Convention | <input type="checkbox"/> Bamako Convention |
| <input type="checkbox"/> Algiers Convention | <input type="checkbox"/> Agenda 21 |
| <input type="checkbox"/> Convention on Wetlands | <input type="checkbox"/> Convention on Biological Diversity |
| <input type="checkbox"/> Framework Convention on Climate Change | <input type="checkbox"/> Convention to Combat Desertification |
| <input type="checkbox"/> Migratory Species of Wild Animals | <input type="checkbox"/> CITES ¹ |
| <input type="checkbox"/> International Tropical Timber Agreement | <input type="checkbox"/> Convention on the Prior Informed Consent Procedure |
| <input type="checkbox"/> Convention on the Law of the Sea | <input type="checkbox"/> Habitat Agenda |
| <input type="checkbox"/> Kyoto Protocol | <input type="checkbox"/> Montreal Protocol |
| <input type="checkbox"/> Persistent Organic Pollutants | <input type="checkbox"/> Other (please specify) |

¹ Convention on International Trade in Endangered Species of Wild Fauna and Flora

6. Please indicate any other programmes or projects that your organisation reports to, which may be relevant to this survey:

- a)
- b)
- c)

Section 4: Information Management

1. What are your organisation's/unit's core environmental information management functions (please tick all that may apply)?

- | | |
|---|---|
| <input type="checkbox"/> Data gathering | <input type="checkbox"/> Reporting |
| <input type="checkbox"/> Data collation | <input type="checkbox"/> Data warehousing |
| <input type="checkbox"/> Library and archiving | <input type="checkbox"/> Dissemination |
| <input type="checkbox"/> Data interpretation and analysis | <input type="checkbox"/> Visualisation/Decision-Support |
| <input type="checkbox"/> Other (please specify) | |

2. What is the geographic coverage for these activities (please tick all that may apply)?

- | | |
|--|--|
| <input type="checkbox"/> Sub-regional | <input type="checkbox"/> Trans-boundary |
| <input type="checkbox"/> National | <input type="checkbox"/> State (or similar) |
| <input type="checkbox"/> Provincial (or similar) | <input type="checkbox"/> District (or similar) |
| <input type="checkbox"/> Local | <input type="checkbox"/> Other (please specify): |

3. Who are the major users of your environmental information (please tick all that may apply)?

- | | |
|---|---|
| <input type="checkbox"/> My organisation (internal) | <input type="checkbox"/> National government |
| <input type="checkbox"/> International agencies | <input type="checkbox"/> Private sector |
| <input type="checkbox"/> Provincial/district administration | <input type="checkbox"/> Non-governmental organisations |
| <input type="checkbox"/> Other (please specify) | |

4. Does your organisation have an information strategy? yes no

5. Does your organisation have a data policy or mechanism, including data exchange? yes no

6. How does your organisation grant access to environmental information?

- | | |
|---|---|
| <input type="checkbox"/> Unrestricted public access | <input type="checkbox"/> Unavailable for external use |
| <input type="checkbox"/> Limited by policy | <input type="checkbox"/> Adhoc/informal/selective |
| <input type="checkbox"/> By individual request | <input type="checkbox"/> Other (please specify) |

7. Where access is granted what policy applies (tick one)?

- | | |
|---|--|
| <input type="checkbox"/> Charged at market value | <input type="checkbox"/> Charged on full cost-recovery basis |
| <input type="checkbox"/> Charged at cost of media | <input type="checkbox"/> Adhoc |
| <input type="checkbox"/> Free to most | <input type="checkbox"/> Free to all |
| <input type="checkbox"/> Other (please specify) | |

8. *Where access is granted, in what formats are the data available (please tick all that may apply)?*

- Hardcopy Floppy disk CD-ROM Email
 Internet (FTP) Magnetic tape DAT Private network
 Other (please specify):

9. *Has the information/data been fully documented to assist external users?* yes no10. *What are the main uses of the data/information you provide?*

- Decision support Planning/zoning Operations
 Management Policy formulation Licensing
 Monitoring compliance Enforcement of regulations Research
 Other (please specify)

11. *Indicate whether your organisation/unit manages or uses/needs any of the following information in fulfilling its functions:*

		Manages	Uses	Needs
a) Land use	Forestry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Agriculture/livestock	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fisheries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Nature conservation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Tourism	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Mining	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Energy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Transport	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Urban planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other (please specify): _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Ecosystems	Forest	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Woodland/scrub	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Grassland	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Freshwater	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Coastal and marine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Dryland/desert	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Highland/mountain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other (please specify): _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Species/genes	Mammals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Birds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Reptiles/amphibians	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Fish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Insects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other invertebrates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Plants (higher/lower)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other (please specify): _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Social/economic	Sustainable development	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Land tenure and property	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Demography and population	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Policies, plans and laws	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Public administration and governance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Trade and industry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other (please specify): _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

e) Physical features	Hydrology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Geology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Topography	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Climate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other (please specify):_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Section 5: Capacity in Environmental Information Management

1. How many staff members in your organisation/unit are trained in the following areas at the levels indicated?

	Post graduate	Graduate	Diploma	Short course	Total
a) Data collection/monitoring					
b) Data entry/quality-assurance					
c) Data analysis					
d) Technical writing					
e) Graphic design/publishing					
f) Communications					
g) Management information systems					
h) Geographic information systems					
i) Remote sensing					
j) Database development					
k) Systems management					
l) Internet access/web-site					
m) Other technical assistance					

2. Which are the top three areas of environmental information management skills would you like to add to you staff?

- a)
- b)
- c)

Section 6: Computing Environment and Communication

This section should be completed by your systems administrator.

Name:

E-mail:

1. **Indicate what facilities your organisation owns or has access to — in good working order. (Please tick all that may apply):**

a) Computers

System ²	Operating System	Number	Processor	Memory	Hard Disk Capacity
i.					
ii.					
iii.					
iv.					
v.					
vi.					

2. Local Area Network
 yes no Number of users:

Network Operating System:

Windows XP/2000 /NT Server

 yes no

Novell NetWare

 yes no

UNIX

 yes no

Version:

Linux

 yes no

Distribution:

Other (please specify): -----

3. Telecommunication and networking

Telephone

 yes no

Fax

 yes no

total:

Do staff members have individual e-mail accounts

 yes no

total:

Internet access points

 yes no

total:

4. Internet access and bandwidth

Dial-up (normal phone line)

 yes no

Max. Speed:

Dial-up (ISDN)

 yes no

Dial-up (DSL)

 yes no

Type:

Direct access (leased line)

 yes no

Type:

Fibre optic network

 yes no

Microwave/Radio link

 yes no

Satellite link

 yes no
5. Data input/output

Digitising tables

 yes no

total/size:

Scanners

 yes no

total/size:

Plotters

 yes no

total/size:

Laser printers

 yes no

total/size:

Colour printers

 yes no

total:

Other (please specify): -----

² Please indicate if Server, Workstation, Desktop or Laptop

- 6. Applications software**
- | | | | |
|-----------------------|------------------------------|-----------------------------|---------------|
| Office productivity | <input type="checkbox"/> yes | <input type="checkbox"/> no | type/version: |
| Desktop publishing | <input type="checkbox"/> yes | <input type="checkbox"/> no | users: |
| Graphics/presentation | <input type="checkbox"/> yes | <input type="checkbox"/> no | |
| HTML editing | <input type="checkbox"/> yes | <input type="checkbox"/> no | type: |
| Internet client | <input type="checkbox"/> yes | <input type="checkbox"/> no | type/version: |
| Web server | <input type="checkbox"/> yes | <input type="checkbox"/> no | type/version: |
| Statistical/modelling | <input type="checkbox"/> yes | <input type="checkbox"/> no | users: |

Other (please specify): _____

7. Database management systems

- | | | | |
|--------|------------------------------|-----------------------------|--------|
| Access | <input type="checkbox"/> yes | <input type="checkbox"/> no | users: |
| xBASE | <input type="checkbox"/> yes | <input type="checkbox"/> no | users: |
| Oracle | <input type="checkbox"/> yes | <input type="checkbox"/> no | users: |

Other (please specify): _____

8. Geo-data processing

- | | | | |
|---------------------------------|------------------------------|-----------------------------|--------|
| GIS | <input type="checkbox"/> yes | <input type="checkbox"/> no | users: |
| Mapping | <input type="checkbox"/> yes | <input type="checkbox"/> no | users: |
| Image processing | <input type="checkbox"/> yes | <input type="checkbox"/> no | users: |
| Global Position System services | <input type="checkbox"/> yes | <input type="checkbox"/> no | users: |

Other (please specify): _____

9. Communication/Groupware

- | | | | | |
|--|------------------------------|-----------------------------|--------|---------------|
| Directory services (shared address book, staff lists etc.) | <input type="checkbox"/> yes | <input type="checkbox"/> no | users: | name/version: |
| Shared calendar (meeting schedules, events etc.) | <input type="checkbox"/> yes | <input type="checkbox"/> no | users: | name/version: |
| News | <input type="checkbox"/> yes | <input type="checkbox"/> no | users: | name/version: |
| Lists with publications, projects, reports, datasets etc. | <input type="checkbox"/> yes | <input type="checkbox"/> no | users: | name/version: |

Other (please specify): _____

10. Miscellaneous

- | | | | |
|-------------------|------------------------------|-----------------------------|--------|
| Library | <input type="checkbox"/> yes | <input type="checkbox"/> no | books: |
| Photocopier | <input type="checkbox"/> yes | <input type="checkbox"/> no | total: |
| In-house printing | <input type="checkbox"/> yes | <input type="checkbox"/> no | |

Other (please specify): _____

11. In the order of priorities, which are the three facilities that your organisation most needs to acquire or strengthen (please add extra sheets if necessary)?

- a)
- b)
- c)

Section 7: External Communication

1. Does your organisation use any of the following external information sources/services regularly? If yes, which one(s) and how often (e.g. 5 times a week)?

- a) Web sites and gateways of national and international organisations yes no
- Source/service: Frequency:
- Source/service: Frequency:
- Source/service: Frequency:

- b) Newsgroups, discussion forums: yes no
Service:.....Frequency:.....
Service:.....Frequency:.....
Service:.....Frequency:.....
- c) Search engines, directory services or metadata indices yes no
Service:.....Frequency:.....
Service:.....Frequency:.....
Service:.....Frequency:.....

2. In which format do you mainly retrieve information from the internet? Please state percentages of total information retrieval?

- Texts, reports
- Tables, charts
- Cartographic data, maps (editable or non editable)
- GIS or remote sensing data sets 8fully processed or for further processing
- Other (please specify): _____

AFRICA ENVIRONMENT INFORMATION NETWORK
ASSESSMENT OF INFORMATION MANAGEMENT CAPACITY
AND DATA RESOURCES

Inventory Questionnaire Part 2:
ASSESSMENT OF DATA AND INFORMATION RESOURCES

This questionnaire is part of an assessment of the status of environmental information management and networking capacity in Africa. It will serve as the basis for establishing a comprehensive inventory on environmental information resources as part of the development of a data foundation in support of environmental reporting processes. Your responses to the questions below will assist in establishing the current status of environmental information networking in your country, and the needs that have to be addressed in order to make environmental information management and networking more functional and efficient in your country, within the framework of the Africa Environment Information Network.

One copy of this form should be completed per organisation or unit within the organisation as may be appropriate.

Section 1: Contact Details

1. **Contact person:** 2. **Position:**
 2. **Tel** (Country-City-Number): 3. **Email:**

Section 2: Data/Information Sources

1. **What is the source of data/information (tick all that may apply):**

- | | |
|--|--|
| <input type="checkbox"/> Primary research | <input type="checkbox"/> Routine data collection |
| <input type="checkbox"/> Acquired from other organisations | <input type="checkbox"/> Public domain |
| <input type="checkbox"/> Mixture | <input type="checkbox"/> Other (please specify): |

2. **If not primary research, please indicate the original source(s):**

3. **Form/type of data (tick all that may apply):**

- | Hard-copy formats: | Audio-visual formats: | Electronic formats: | Other: |
|---|---|--|--|
| <input type="checkbox"/> Books/reports | <input type="checkbox"/> Sound recordings | <input type="checkbox"/> Word processor files | <input type="checkbox"/> Mixture |
| <input type="checkbox"/> Forms/notes/tables | <input type="checkbox"/> Photographs | <input type="checkbox"/> Spreadsheet | <input type="checkbox"/> Other digital files |
| <input type="checkbox"/> Pictures | <input type="checkbox"/> Video/film | <input type="checkbox"/> Database | Please specify: |
| <input type="checkbox"/> Card index | | <input type="checkbox"/> GIS coverage | |
| <input type="checkbox"/> Maps | | <input type="checkbox"/> Remotely sensed imagery | |

Other (please specify):

4. **What do you consider to be the limitations of your data/information for environmental management and sustainable development planning? (Tick all that may apply):**

- | | | |
|--|---|-------------------------------------|
| <input type="checkbox"/> Age of data set | <input type="checkbox"/> Scale | <input type="checkbox"/> Resolution |
| <input type="checkbox"/> Completeness | <input type="checkbox"/> Quality/Accuracy | |

Section 3: Access Procedures**1. Which of the following best describes access to the data (tick one)?**

- Unrestricted Restricted to some
 Restricted to most Unavailable for external use

2. Where access is provided, which of the following applies (tick one)?

- Free Free to most Free to some Charged

3. Where charges are made, how are these determined (optionally tick one)?

- Cost recovery Cost plus overhead Market value

4. Where access is provided, in what formats are the data available (tick any which apply)?

- Hardcopy Floppy disk CD-ROM Email
 Internet (FTP) Magnetic tape DAT Private network

Other (please specify):

5. Has the dataset been documented for external users? yes no**6. Where access is provided, briefly describe the recommended access procedures:**

Section 4: Data Sets

1. Please complete the following table for *digital* data sets held by your institution. Make copies of the table and use for data themes with many variables (e.g., climate, soils, etc.) and information not indicated here.

TYPE OF DATA	THEME/PARAMETER	SOURCE FORMAT	COVERAGE				FREQUENCY	LAST UPDATE	SCALE(S)	PRODUCT FORMAT	
			LOC	PROV	NAT'L	OTH					
Physiography/Topography		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map <input type="checkbox"/> Tables	<input type="checkbox"/> Reports <input type="checkbox"/> Other	
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map <input type="checkbox"/> Tables	<input type="checkbox"/> Reports <input type="checkbox"/> Other	
Soils		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map <input type="checkbox"/> Tables	<input type="checkbox"/> Reports <input type="checkbox"/> Other	
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map <input type="checkbox"/> Tables	<input type="checkbox"/> Reports <input type="checkbox"/> Other	
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map <input type="checkbox"/> Tables	<input type="checkbox"/> Reports <input type="checkbox"/> Other	
Surface geology		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map <input type="checkbox"/> Tables	<input type="checkbox"/> Reports <input type="checkbox"/> Other	
Structural geology		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map <input type="checkbox"/> Tables	<input type="checkbox"/> Reports <input type="checkbox"/> Other	
Climate		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map <input type="checkbox"/> Tables	<input type="checkbox"/> Reports <input type="checkbox"/> Other	
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map <input type="checkbox"/> Tables	<input type="checkbox"/> Reports <input type="checkbox"/> Other	

TYPE OF DATA	THEME/PARAMETER	SOURCE FORMAT	COVERAGE				FREQUENCY	LAST UPDATE	SCALE(S)	PRODUCT FORMAT		
			LOC	PROV	NAT'L	OTH				<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Surface water		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Wetlands		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Groundwater		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Hydro-geology		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Satellite imagery		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Aerial photographs		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other

TYPE OF DATA	THEME/PARAMETER	SOURCE FORMAT	COVERAGE				FREQUENCY	LAST UPDATE	SCALE(S)	PRODUCT FORMAT		
			LOC	PROV	NAT'L	OTH				<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports
Fisheries		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Land cover		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Land use		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Land capability		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Forestry		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Wildlife		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Population		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Roads		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other

TYPE OF DATA	THEME/PARAMETER	SOURCE FORMAT	COVERAGE				FREQUENCY	LAST UPDATE	SCALE(S)	PRODUCT FORMAT			
			LOC	PROV	NAT'L	OTH				<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Railroads		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Boundaries		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
District capitals		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Major settlements		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Urban areas		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Region capitals		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Crop types/distribution		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other								<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other

TYPE OF DATA	THEME/PARAMETER	SOURCE FORMAT	COVERAGE				FREQUENCY	LAST UPDATE	SCALE(S)	PRODUCT FORMAT		
			LOC	PROV	NAT'L	OTH				<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports
Crop production		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Livestock distribution		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Species distribution		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
Ecosystems		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other
		<input type="checkbox"/> Map <input type="checkbox"/> Tables <input type="checkbox"/> Other							<input type="checkbox"/> Map	<input type="checkbox"/> Tables	<input type="checkbox"/> Reports	<input type="checkbox"/> Other

2. Please list and describe **non-digital** data/information sources and products available: