

Tanzania Annex II. Metadata

2.2 General description of the climate

Data type	Theme	Format	Metadata record in TzCHM	Description
Atmospheric data	Atmosphere and climatic	Daily, monthly and annual means/totals	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={E3E7659F-F14D-8EBD-16CA-5286836B17FC}	Daily mean
Winds, rainfall, temperature, humidity	Atmosphere and climatic	Online	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={4F29DD81-F1CC-A9A1-FE3C-1F003EAAD884}	Daily mean
Winds, rainfall, temperature, humidity	Atmosphere and climatic	Online	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={85A64F7F-30A3-AF6A-A019-74887030B455}	10 days mean
Winds, rainfall, temperature, humidity	Atmosphere and climatic	Online	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={F9B3D773-E79A-7FA3-6933-407B4D41241A}	Monthly mean
Winds, rainfall, temperature, humidity	Atmosphere and climatic	Online/MS Word	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={79B6898E-0A8E-1BF3-	Monthly weather bulletins

			DB92-E8083275CB25}	
Winds, rainfall, temperature, humidity	Atmosphere and climatic	Online	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={C24A83D1-47B4-2E44-C432-6B3089FF089F}	Seasonal

2.3 Marine and coastal geology and geomorphology

Data type	Theme	Format	Metadata record in TzCHM	Description
Geological data	Geological and geophysical exploration	Tables and pdf documents	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={7A70CE2B-AC1D-5285-5DC7-F5FC4DC883A8}	Various statistics of hydrocarbon production in Tanzania and other reports and documents on hydrocarbon exploration in Tanzania

2.4 Fresh water resources and drainage, including rivers, estuaries, deltas and coastal lakes

Data type	Theme	Format	Metadata record in TzCHM	Description
Geographical data	Inland water resources - Rivers (perennial and non-perennial)	Tabular data	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid	Country files

			={6AF57353-934B-B305-5885-AC5502338CB4}	
Geographical data	Inland water resources - Drainage basins	Tabular	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={BA793F58-C377-DEBD-2DCA-A0E963AEED1E}	Country files
Geographical data	Inland water resources - River discharge	Tabular	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={EACF5DD3-2305-0BFC-8479-AB2CFD839BDC}	Country files
	Inland water resources - Flow regimes (and seasonality of flow) of major rivers	Tabular data	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={57D891E7-6CAC-6EF9-E071-78E867627C78}	Book

2.5 1 Currents

Data type	Theme	Format	Metadata record in TzCHM	Description
Cruises	Oceans and estuaries - ACEP	ADCP	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={5ED4B027-555A-B1B8-C330-33932256B598}	Ocean and coastal
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={3D952248-F766-1204-3061-403D2C636E65}	
Model inputs	Oceans and estuaries -	ADCP	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={3D952248-F766-1204-3061-403D2C636E65}	Descriptive

	Zanzibar Channel Project		ac.tz/Portal/DiscoveryServlet ?command=viewdetails&uuid ={4F55EC8A-5609-276E- 0A90-49E1F99313AE}	information on activities
In-situ	Oceans and estuaries - Currents	ASCII, NetCDF, ODV	http://tanzaniagpt.ims.udsm. ac.tz/Portal/DiscoveryServlet ?command=viewdetails&uuid ={1DBA4F02-4281-2D63- F0DD-2464C74C7DEE}	

2.5.2 Tidal regime and waves

Data Type	Theme	Format	Metadata record in TzCHM	Description
Tide gauge data	Facilities and structures - Zanzibar & Dar es Salaam stations	ASCII	http://tanzaniagpt.ims.udsm. ac.tz/Portal/DiscoveryServlet ?command=viewdetails&uuid ={2A2EDC24-AFEA-046A- 539B-5268E65CEEDE}	File name description and format convention
Tsunami	Facilities and structures - Tsunami		http://tanzaniagpt.ims.udsm. ac.tz/Portal/DiscoveryServlet ?command=viewdetails&uuid ={53391478-4E44-26C5- 8FA6-38F96B03F39A}	
In-situ	Facilities and structures - Waves	NetCDF, ASCII, ODV	http://tanzaniagpt.ims.udsm. ac.tz/Portal/DiscoveryServlet ?command=viewdetails&uuid ={22BEF124-F4F3-6C12-55F4- BA4FF0F86A62}	Statistics and spectra

2.5.3 Sea level change

Data Type	Theme	Format	Metadata record in TzCHM	Description
Tide gauge data	Zanzibar Dar es Salaam Tanga Mtwara	ASCII - Monthly & Annual Means	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={5938BB66-0D97-DB93-1F06-F44303E1EAA4}	Description of Revised Local Reference and Metric Datasets
	Zanzibar Dar es Salaam	ASCII - Monthly & Annual Means	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={906A4AF1-10D0-D7E0-8B9C-1BE4E4562828}	File name description and format convention
Satellite data	Topex/Poseidon	Altimeter data	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={1EFF63F5-22FA-1COB-FA1F-D4C1ABCD7F11}	Along track data
	AVHRR	NetCDF	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={5AED9BEC-E9EC-8F84-815E-F1147802DFE7}	
	AVISO	NetCDF	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={4F8B9A55-4317-928F-AD68-EC90D6483C96}	
	CERSAT	NetCDF	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={A3814D10-1087-86B6-	

			A937-FEBA8E55B20A}	
	NGDC	NetCDF	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={9513EFAF-4DB7-B691-4177-3B7CE96FE800}	

2.5.4 Ocean temperature

Data Type	Theme	Format	Metadata record in TzCHM	Description
Satellite	HadISST	Monthly means in 1x1° grid	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={21293BCE-1FDC-B48C-54B4-6ED084D92177}	Global long-term in-situ SST data collected from ships and buoys
	Southeast of Zanzibar Island	Monthly mean SST climatologies	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={CDCF8AED-1A3E-9DCC-192D-FE3FBC686642}	Time series data of NOAA Coral Reef Watch operational near-real-time
SST loggers (TidBits Stowaway)	Southeast of Zanzibar Island	SST data collected at 15-30 min intervals, reported every 3 days	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={4C3DC625-79E2-5F87-4FF5-FA86679B33B4}	Time series data of NOAA Coral Reef Watch operational near-real-time
CTD	Western Indian Ocean	SST data	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={17811EDF-77D7-F68D-	African Coelacanth Ecosystem Project

			F870-5A6D0270C484}	
CTD	Western Indian Ocean	SST data	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={AA5B47B0-F2D8-A222-4701-9B087511E8D2}	African Coelacanth Ecosystem Project
SST	10° x 10°	ASCII, CSV	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={1277160E-6CAA-A3BA-3BEB-A92026EEE3C2}	World Ocean Database

2.5.5 Salinity patterns

Data Type	Theme	Format	Metadata record in TzCHM	Description
CTD				
Inshore measurements				
Salinity	10° x 10°	ASCII, CSV	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={F0DD441E-1FF4-320F-3E2B-4DB59CBA2D2B}	World Ocean Database

2.5.6 Ocean-atmosphere interaction

Data Type	Theme	Format	Metadata record in TzCHM	Description
Co2 – ship based	10° x 10°	ASCII, CSV	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid	World Ocean Database

			={BB58C434-7ABA-30F1-7DFB-8D7ADA762CD3}	
CTD – ship based	10° x 10°	ASCII, CSV	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={6FD275F1-3E17-5359-B557-98D6135FDF64}	World Ocean Database
Model outputs	ECMWF	NetCDF	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={D3F89D91-F818-C0E0-C008-75FF1C86AE71}	
	MERCATOR	NetCDF	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={359B41F9-DE05-133C-7758-3F9513BC3EC7}	

2.6 Chemical and Biological Oceanography

2.6.1 Nutrients

Data type	Theme	Format	Metadata record in TzCHM	Description
Previous assessment of pollution	Coastal pollution	Tabular data	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={36C9DCB3-6DB3-7843-F029-4C9BEFF7BFA2}	Estimates of pollutants from various sources in Dar es Salaam
Previous	Environmental degradation	PDF	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={36C9DCB3-6DB3-7843-F029-4C9BEFF7BFA2}	Coastal and marine

assessment of pollution	of the coastal areas	document	ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={C75B1B2E-1BF7-6DF8-5E4F-EB544092A513}	environmental problems of Tanzania
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2.6.2 Persistent organic / inorganic pollutants

Data type	Theme	Format	Metadata record	Description

2.6.3 Primary production

Data type	Theme	Format	Metadata record	Description

2.6.4 Secondary production

Data type	Category	Format	Metadata record	Description

2.7 Coastal zone and Continental Shelf

2.7.1 Description and extent of coastal and marine habitats

Data type	Theme	Format	Metadata record in TzCHM	Description
Maps of coastal Habitats (Millennium Products and ASCLME mapping activity)	Bathymetry, biodiversity, coelacanth habitat		http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={9420A958-866F-852D-FFD53C5C446B76A6}	Mapping activity for the establishment of basic data and information for the Tanga coastal zone.
Previous assessments Of marine habitats	Remote Sensing of Land-Cover Change along the Tanzania Coast	Shapefiles, Tables, Maps and Figures	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={A24E53CD-BBC8-5460-37E6-311FEA1EC4DF}	LULC change detection was conducted using Landsat imagery of 1990 and 2000
	Remote Sensing of Mangrove Change along the Tanzania Coast	Shapefiles, Tables, Maps and Figures	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={B5C305D7-AD19-0F11-F88A-CA7A331010E3}	Mangrove change detection was conducted using Landsat imagery of 1990 and 2000
Classification schemes used in the country for habitat assessment	Land Cover Classification System (Di Gregorio and Jensen, 2000) for the FAO Africover Project	Hardcopies, Digital Topographical maps at 1:200,000 scale and the shapefiles	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={947BFC92-B357-3346-F3A7-A5619C5C3E87}	Land cover categories were compiled using an internationally adopted Land Cover Classification System
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={A3348AD1-F38A-D41C-0DC6-CC7714B73758}	

			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={9926B50E-1D8C-B34B-7D0F-325FE0BBDBCC}	
	The HTS classification scheme	Hardcopies, Topographical maps at 1:250,000 scale and the shapefiles	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={9AFDE607-F51B-B447-5A12-D01986C0DD04}	The Hunting Technical Services (HTS) developed a LULC Classification scheme with 34 categories
http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={5889BE33-B607-FA2F-D6E3-176FEA1496C5}				
http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={72418E41-D0FD-BEAD-6B72-3B1D55A063E0}				
WIO-LaB TDA/SAP For issues and concerns	Controlling leachate and soil erosion along Msimbazi river in Vingunguti dumping site	Reports	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={1C2B7CE3-61E5-6D38-74D0-5038555F69B4}	Demonstration project on the use of vetiver grasses to control leachate and soil erosion along Msimbazi river in Vingunguti dumping site
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={AA0219C4-D111-DCEF-BE5A-062C1AA26E80}	

2.7.2 Productivity of the Coastal zone

Data type	Theme	Format	Metadata record in TzCHM	Description
GIS layer for LULC categories	Remote Sensing of Land-Cover Change along the Tanzania Coast	Shapefiles, Tables, Maps and Figures	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={D1674E3C-36EA-DB46-6C63-79A8BC7D8FD1}	LULC change detection was conducted using Landsat imagery of 1990 and 2000
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={56CF4CE2-F8E9-27A6-9FB1-0932F515E8BF}	
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={F4B20544-C4AF-CF58-371D-1E180E33A31A}	
Mangrove GIS layer	Remote Sensing of Mangrove Change along the Tanzania Coast	Shapefiles, Tables, Maps and Figures	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={F0134086-48B2-247A-2CA4-F0B5F752FB67}	Mangrove change detection was conducted using Landsat imagery of 1990 and 2000
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={D5DD9883-167A-F681-08EC-17C92D586097}	
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={	

			A8857C26-A6E1-C689-2AC9-7D03B39DBF4A}	
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2.8 Microfauna and meiofauna

Data type	Theme	Format	Metadata record	Description
In-situ sediment samples	Abundance, biomass, diversity, species distribution, community structure	Tabular data/figures		Data obtained from field surveys
Maps of sampling/study sites	Study sites	Portable document format		Description of the study site

2.9.1 Invertebrates

Data type	Theme	Format	Metadata record in TzCHM	Description
Abundance, distribution, biomass and maximum sustainable yield (MSY) of prawns	In the three designated fishing areas of (a) Saadani and Bagamoyo Fishing grounds (b) Rufiji/Mafia channel, commonly referred to as the Kisiju fishing ground and (c) Jaja and	Tables	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={93428ADA-077B-FD4D-1755-097332EA3BB7}	The Crustacean Resources and Fisheries of the Southwest Indian Ocean

	Kilwa fishing grounds		http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={EE8769DA-DA2E-F8F3-CFD7-0FD726EA29D6}	
Species distribution, and catches lobsters	In the Reef areas	Tables	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={370C97B5-9B0B-B0EF-25F8-B2813F949E3E}	Current lobster standing stocks and the required level of standard fishing effort that can be applied to the fisheries without causing stock depletion (Maximum Sustainable Yield)
Production and Export data	Exporting company viz. SEA PRODUCTS (T) LTD and Coastal Districts	Tables	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={ADABD86C-ECDA-5764-3602-42BEDC52100E}	Annual production statistics
Production and Export data	Landing sites	Tables	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={6A34583B-E5D5-FDF1-391C-6C758CD19DE2}	Annual production statistics
Production and Export data	Production sites - 1	Tables	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={31F55493-CBF7-93CD-D576-8DA60FA783EF}	Annual production statistics

Production data	Production sites - 2	Tables	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={2F6F0FCA-D517-E75B-14FB-75918EFC149B}	Annual production statistics

2.9.2 Fish and fish resources

Data type	Theme	Format	Metadata record in TzCHM	Description
Production data	Production sites	Tables	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={2C9A912E-EB94-9CB6-6306-B890E4800F24}	Annual production statistics

2.9.3 Mammals

Data type	Theme	Format	Metadata record in TzCHM	Description
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population, live and dead captures	Mainland Tanzania and Zanzibar waters		http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={C414622D-7407-1133-EE17-1EA3600F88C2}	Periodic reports
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2.9.4 Reptiles

Data type	Theme	Format	Metadata record in TzCHM	Description
Nesting population, nesting sites, number of nests, number of tag recoveries, live and dead captures	Mainland Tanzania and Zanzibar waters		http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={9AAB295B-EE15-53CC-093A-F967BCC68BD4}	The status of marine turtles in Tanzania, east Africa

2.9.5 Birds

Data type	Theme	Format	Metadata record in TzCHM	Description
Species list	Tanzania		http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={F2800DD0-C144-806F-7FE5-768A481787C8}	List of birds of Tanzania

2.9.6 Exotic and Invasive Species

Data type	Theme	Format	Metadata record in TzCHM	Description
Species list	Tanzania		http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={70E08E7E-495A-4E2A-9A63-F267CDC32CED}	Tanzania invasive species.

2.10 Long term predicted atmospheric changes

Data Type	Themes	Format	Metadata record in TzCHM	Description
Atmospheric data	Winds, rainfall, temperature, humidity	MS EXCEL	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={68923629-CC01-6A76-9712-DC5EF12E0DF8}	Three hourly, daily, monthly and annual means/totals
NCAR			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={CF94922C-C906-C31D-1660-2BD93088DD5D}	Climate data
Natural disasters	Natural disasters, technological disasters	MS EXCEL	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={9F3F0C1B-474B-D2F8-0751-2B2760882C97}	Disasters by numbers of killed, total affected people, economic damage costs

3.1 Coastal and island populations – current status and trends

Data type	Themes	Format	Metadata record in TzCHM	Description
Geographical and physical data	Location of towns and villages	Excel, SPSS	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={8CC9C347-BA27-90B4-6685-1137EA7D6301}	Data description physical location of the country
Socio-demographic data	Current demographics of coastal populations		http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={20665B41-53AF-0199-3925-610661D71BF5}	
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={4097052C-6A19-E49F-8A06-3FDB3E90DF98}	
	Trends			
	Age structure of the population/economically active sector	Excel SPSS	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={291E1BC9-7CA1-286A-AD0C-E445099F20AA}	

3.2 Sites of religious or cultural significance

Data type	Themes	Format	Metadata record in TzCHM	Description
Cultural and religious data	Sites of religious or cultural significance (where they are and what they are)		http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid	File name description and format convention

			={F1156677-F9A0-EB43-3D32-D93BCCA41454}	
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={92A0F90E-8910-B9F9-A946-8A7BEFF42776}	
	Restoration efforts			
Cultural sites data	Status of preservation (e.g. UNESCO cultural heritage status)		http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={269291E0-D1C5-E80D-EB77-7BB525B97CE6}	File name description and format convention

3.3 Human health

Data type	Themes	Format	Metadata	Description
	Distribution and impact	Excel , SPSS		

3.4 Infrastructure

Data type	Themes	Format	Metadata record in TzCHM	Description
KM	Roads	Excel	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={3F52ADD9-24F9-A14C-	Infrastructure

			CD12-9979069353BF}	
	Rails		http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={2DE3D187-DADF-381D-E496-96059EBFOC50}	
Network	Communication networks		http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={AE60A0B4-F28D-7359-9C18-7784104AD3BC}	
	Ports and marine transport		http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={C9533990-1EE2-22A8-8E5B-398653DD25B9}	

6.1 National Disaster Management Plans

Data type	Themes	Format	Metadata record in TzCHM	Description
GIS layers	Land use and Land cover	Shapefiles and Hard copies	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={491B31BE-BD42-8A96-BD6A-4F796A7EDBE0}	HTS -FRMP prepared LULC maps
GIS layers	Land use and Land cover	Shapefiles and Hard copies	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={DD7139EC-971D-E685-E74D-EE5E442149A5}	FAO-Africover project prepared LULC maps
GIS layers	Land use plans	Shapefile	http://tanzaniagpt.ims.udsm.	Land use plans are

		s and Hard copies	ac.tz/Portal/DiscoveryServlet ?command=viewdetails&uuid ={0B72AB97-1394-8643- 6843-C267A2EDC97E}	available for some areas
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6.2 Environmental Sensitivity Mapping

Data type	Themes	Format	Metadata record in TzCHM	Description
Administrative units	Population density	Shapefiles, Maps	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={5E23F004-C0E2-11AA-8390-09F4408A9248}	Administrative maps showing population up to ward level
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={1B051208-182B-A3A6-3A80-4CB22A7BEA4E}	
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={7583D9F2-94E0-BBF0-21C7-E26028E486EB}	
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={6CC8FD66-67FD-6A20-868F-948776DB074D}	
Human population data	Census Reports	Tables, charts, figures in hardcopies and	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={187DF5E2-7B11-C45E-858D-1A6A49B6ABF3}	Census reports compiled up to village level

		digital	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={2B93F7E6-A042-ECC2-D6AC-7F5F18B84582}	
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={61B83096-0AB7-326E-D776-2AE8CECE7FC8}	
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={F5AFDC3A-04CA-9A8A-7CBB-012B3A2765CD}	
Topographical data	Topographical features	Shapefiles	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={933F076F-8FC4-1412-73CD-2947596B57EF}	Topographical maps
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={E04240B5-1522-3D10-2B58-558303993801}	
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={4BCD0931-5B11-C185-1FFE-721A3E42F87D}	

6.3 Coastal Management/Development Plans

Data type	Themes	Format	Metadata record in TzCHM	Description
GIS layer	Urban sprawling	Shapefile	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={A30ABF0C-46FA-7604-93FC-956BA0C671F1}	Urban change data from LULC change data
GIS layer	Tourism development zone	Shapefile	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={06804E70-07FA-3A0E-BA92-DFA3272176DE}	Area identified potential for tourism development
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={ED2CE487-CDBC-B3E9-F9C6-66EF471D1CED}	
GIS layer	Sand beaches	Shapefile	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={5A387CF6-033C-DCC3-A93E-780E229AF4D3}	Areas identified from satellite imagery
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={77F4F15B-304F-468A-4B21-9B987DE05748}	
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={1D2F2AB2-0D3D-55DF-	

		DFC5-731151E56F2C}
		http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={AADE2E7B-B710-6839-CFC5-38AFDFA68135}

6.4 Areas under special management

Data type	Themes	Format	Metadata record in TzCHM	Description
GIS layer	Mangrove managed areas	Shapefiles, Maps, Tables	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={3FC630C8-8101-444D-83E5-6B387CD642AC}	Mangrove distribution as of year 2000
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={44865C4D-D3E5-D9E1-A6E2-8A566DB0E63C}	
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={B3CEE423-556D-194F-76CF-936CD6888EF3}	
GIS layer	Biosphere reserve	Shapefiles, Maps	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={03A604D7-E99-979A-35DE-15666A7826F9}	Area identified as a Ramsar site

GIS layer	CFMA	Shapefiles, Maps	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={B2C4695F-1A99-A714-7868-4D73059E589E}	Area for each CFMA
GIS layer	Marine Parks and Reserves	Shapefiles, Maps	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={C8E11258-F2B0-5B14-5E31-6BAEAEA2C8B3}	Areas for all marine parks and reserves
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={34D8ECF1-3313-9AD2-F01D-67EB46A70CCD}	
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={948CFC1B-FB6C-7B4F-FA00-7311694F37D2}	

6.5 Monitoring, Control and Surveillance

Data type	Themes	Format	Metadata record in TzCHM	Description
GIS Layers	EEZ Map	Shapefiles	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={5ABE2E2E-ED27-D8D7-E987-D576D8446ECE}	Map showing the EEZ

			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={A0B0B15A-1A94-41FA-11CF-677561F393E0}	
GIS Layers	Fishing Zones	Shapefiles	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={D7621C2E-73CF-6165-1DB2-F5A2A0B30024}	Map showing fishing zones
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={AD1ABA67-8992-E23C-D0FD-7B95917AFCE7}	
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={8DE68C5E-3C05-A699-6E59-4CFAF6946BF7}	
GIS Layers	Inshore fish stock assessment positions	Shapefiles, Maps	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={E568F0A7-B786-691A-50FA-36BDC3B30D25}	GPS positions used for assessing fish stock
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={E7665263-E6B0-05FC-5300-AA82EFB65772}	
GIS Layers	Output fish stock assessment	Shapefiles, Maps, Figures	http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid	Output from fish stock assessment based on the

			={79F0637E-A114-52D4-8A94-AA72E68984FB}	survey in 2005
			http://tanzaniagpt.ims.udsm.ac.tz/Portal/DiscoveryServlet?command=viewdetails&uuid={35B6515E-A5D8-D948-BDFD-D4CE8E2E77E2}	