

2013 Esri Europe, Middle East and Africa User Conference

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GIS projects in Rwanda

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Rwanda

Esri Rwanda Ltd.

- Responsible for Rwanda, Burundi and the Republic of Congo
- Instructor led trainings for all Esri GIS products and tailored training courses
- Consultancy for various types of GIS projects

Esri Rwanda Ltd.

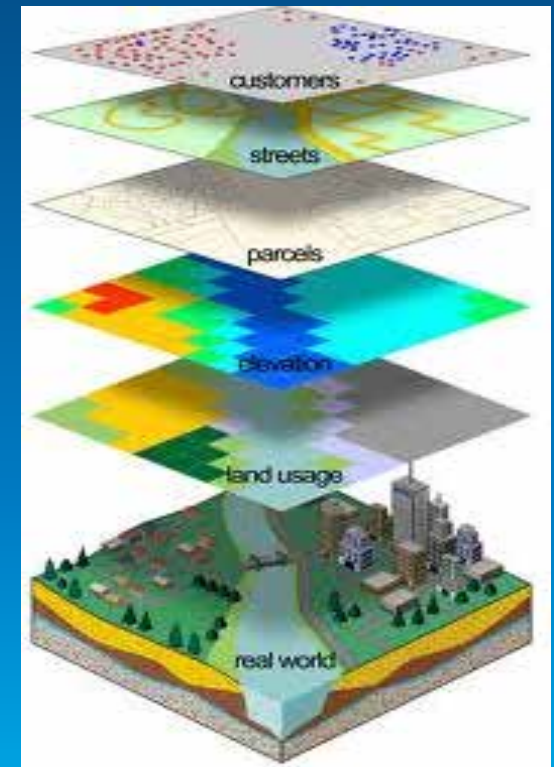
Instructor led training for ArcGIS training

- Education:
 - National University of Rwanda,
 - Kigali Institute of Science and Technology,
 - Technical Colleges,
 - Technical High Schools
- Government Agency
 - Rwanda National Resources Authority
 - National Institute of Statistics
 - Ministry of Local Government
- NGOs: World Vision

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Consultancy for various types of GIS projects: City of Kigali (One Stop Centre)

- ArcGIS Desktop and ArcReader is used for Construction Permit Issuing
- GIS Data used to issue a permit:
 - Administrative Data
 - Land Use Data (Master plan of Kigali)
 - Parcel Data
 - Wetland Boundaries
 - Topography, (Contours, Slope)
 - Infrastructure
 - Landmarks
 - Orthophotos



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Consultancy for various types of GIS projects: National Institute of Statistics of Rwanda, NISR

- Enumeration Areas for the Census 2012



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RNRA-NLUP: Training in GIS and Land Use Planning to District Land Use Professionals

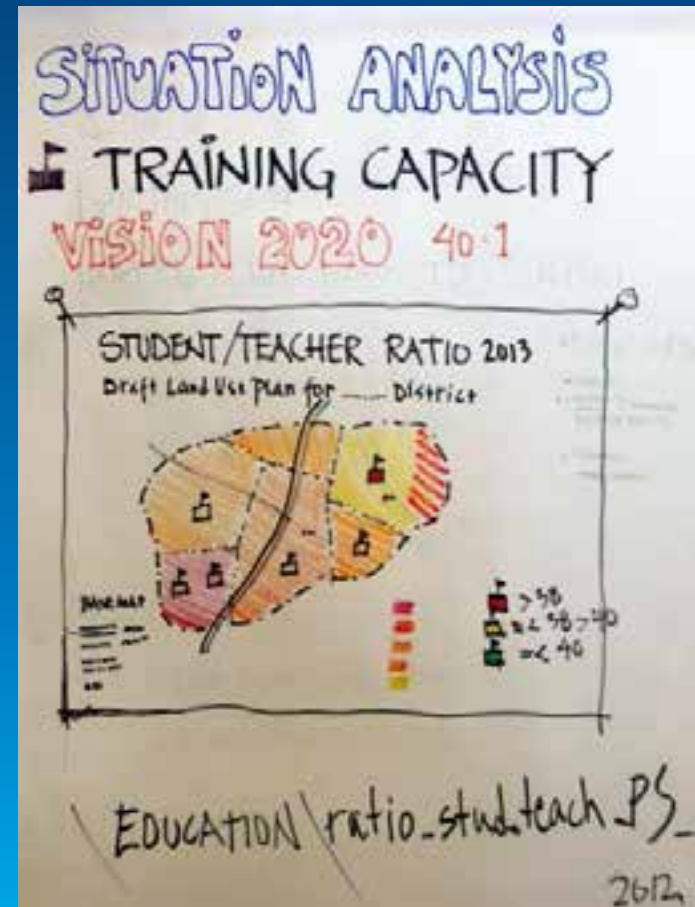


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RNRA-NLUP: Training in GIS and Land Use Planning to District Land Use Professionals

VISION 2020
ADD **30% FOREST**

DISTRICT BII:	2013	2009
BUGESERA	16.2	11.3
GASABO	16.8	10.9
GISAGARA	12.1	3.7
HUYE	20.1	7.6
KAYONZA (1.8)	48.2	4.5
KIREHE (1.3)	20.6	1.6
NYABHU	21.5	22
NYAMASHIHEKE (4.5)	35.5	29.08
NYARUGENGE	20.1	11.15
RUBAVO	8.9	6.6
NGOMA	7.3	1.9

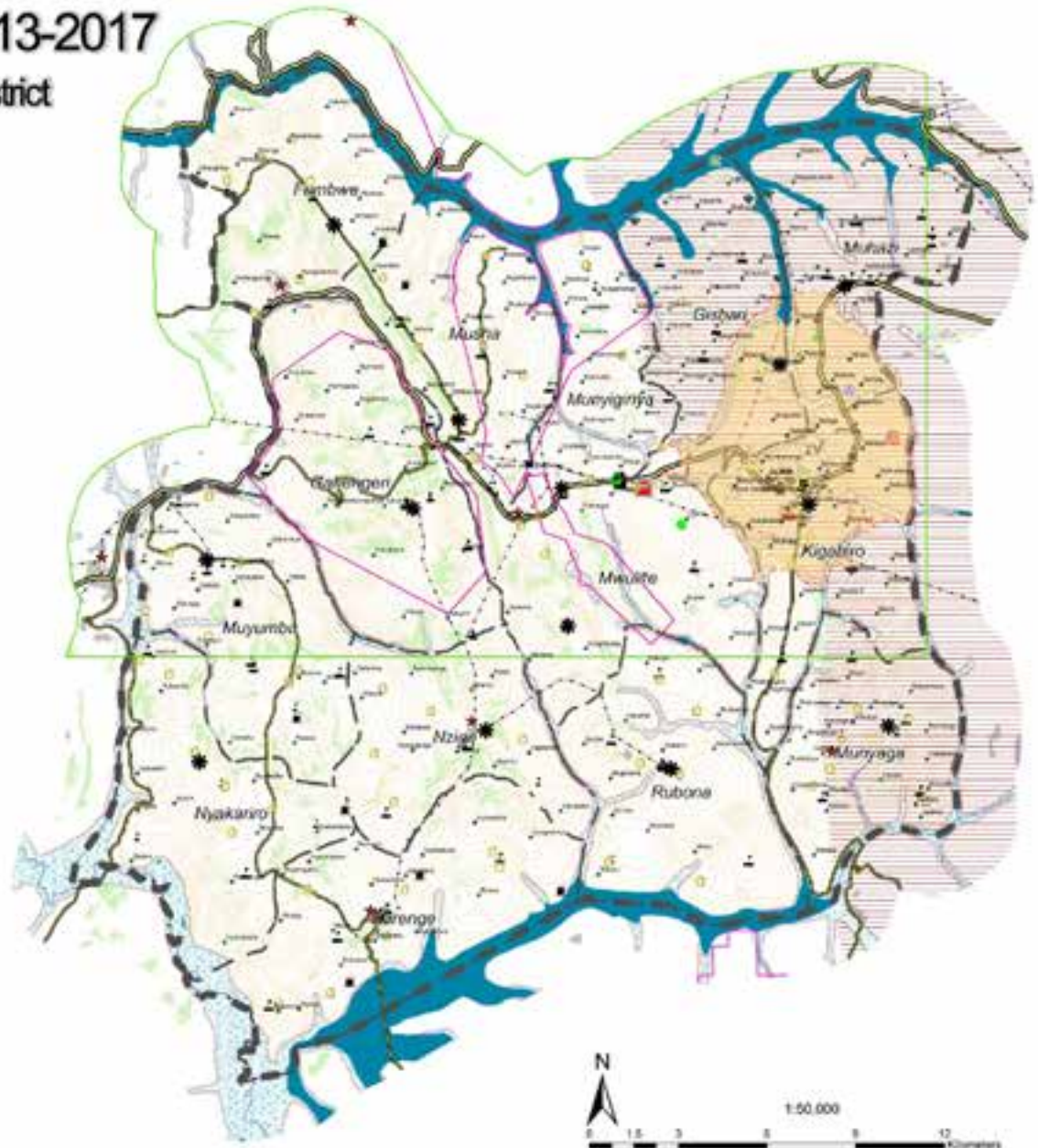


PROPOSED LAND USE 2013-2017

Draft Land Use Plan for Rwamagana District

- Socio-Economic**
- Urban Area Development
 - Settlement Area
 - Indigenous Village
 - Village School
 - Secondary School
 - Primary School
 - Health Centre
 - Police Station
 - Church
 - Post Office
 - Government Site
 - Trading Centre (MTI Market)
 - Trading Centre
 - Art and Craft Centre
 - Coffee Washing Station
 - Wine Factory
 - Waste Ponds
 - Waste Incinerator (within Area)
 - Proposed Industrial Zone
 - Mineral Deposit
 - Mineral Contention
 - Waste Treatment/Reclamation
 - Cultural Site
 - Historical Site
 - Waste Site
 - Natural Site
- Base Map**
- District Boundary
 - Ward Tourism Attraction
 - Sector Boundary
 - Sector Office
 - District Centre
 - Control 25 M.
 - Place Name

- Infrastructure**
- International Road
 - National Road
 - Regional Road
 - Local Road
 - Water
- Environment**
- River
 - Buffer Zone around River (100m)
 - Lake
 - Buffer Zone around Lake (200m)
 - Wetland
 - Buffer Zone around Wetland (200m)
 - Forest
 - Protected Forest
 - Proposed Buffer Zone around Protected Forest (100m)
 - Drainage Way



Scale: 1:50,000
 Date: 2013
 Author: Esri/EMAUC13
 Project: GIS projects in Rwanda



Conclusion

- In the year 2013 alone, Esri trained in Rwanda, Burundi and Congo more than 200 in GIS
- GIS number of professional is increasing
- GIS professional are helping the development of the country by applying GIS to the Vision 2020
- The local presence of Esri in Rwanda is essential for product delivery and GIS expertise

Thank you

Murakoze