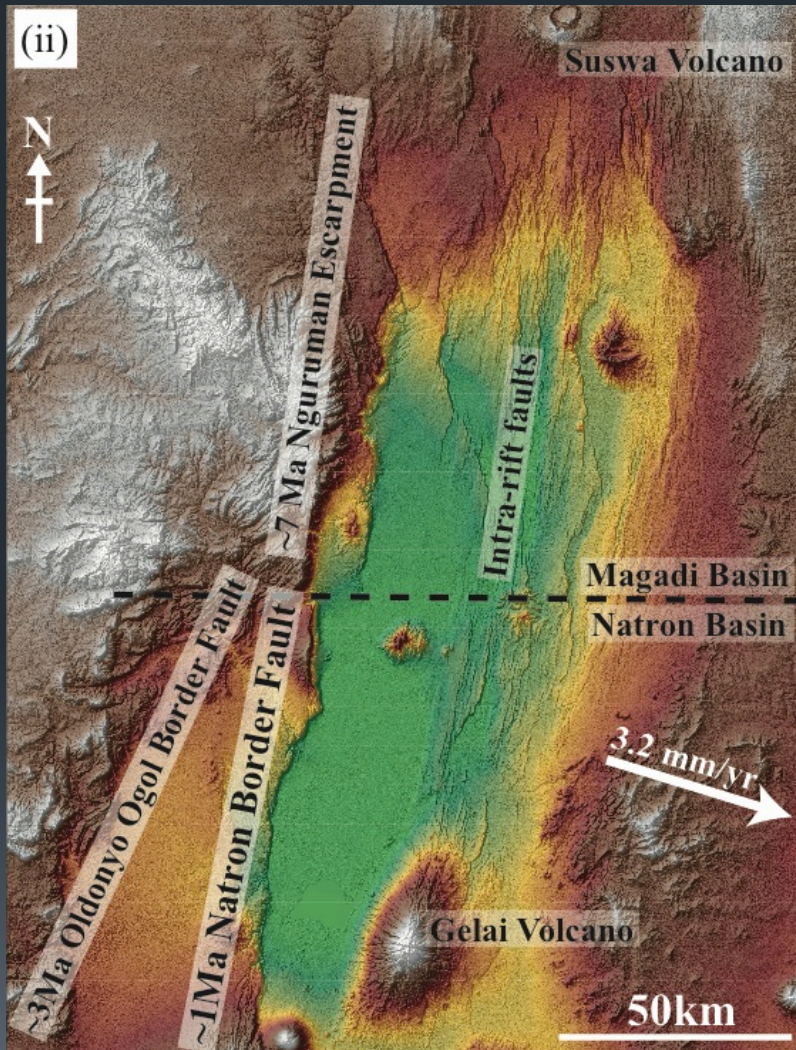


Field studies in the EAR Eastern Branch

Logistical Considerations and Planning

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Magadi and Natron Rift Basins



Field planning in Tanzania and Kenya
(GeoPRISMS RIE focus site)

- Immature rifts (3-7 Ma)
- Magma-rich; active volcanoes
- Faulting has migrated to rift center; some activity along border faults
- Historic seismo-magmatic crises (1998 in Magadi; 2007 in Natron)
- Tectono-magmatic interaction

Essential Elements of Field Planning

- Plan ahead! At least 6 months of planning time.
- Start a dialog with local researchers.
- Research permits: start early.
- Field planning: resources; climate trends; working with limited accommodations; immunizations; register with State Dept.; sample collection permits; getting around.
- Broader Impacts: actively involve local researchers in field research and follow-up; local student involvement; time reimbursement; capacity building

Tanzania/Kenya: Local Collaborations

- Potential collaborators at University of Dar es Salaam; Nelson Mandela African Institute of Science and Technology (Arusha); University of Nairobi.
- Develop an MOU (Memorandum of Understanding).
- Involvement in actual research objectives is key; local scientists should not be used for logistical planning only.
- Can assist with organization of permits for temporary import of geophysical equipment.
- Can assist with research permits.

Tanzania: Research Permits

- Research permits from COSTECH (Tanzania Commission for Science and Technology): www.costech.or.tz
- One-year permits, renewable for 2 additional years (w. fee).
- \$300 per person (2013 rate) + \$50 application fee.
- Residence permit, Class C; from Ministry of Home Affairs (immigration.go.tz); \$550 per person (2012).
- Sample collection permits; obtain from Dept. of Mines and Minerals in Arusha prior to departure (1/2 day); ~\$35.

Tanzania: Other Considerations

- Rental vehicles from Arusha (with driver): \$150-\$200/day (includes gas but may need gas containers/extra gas cash)
- Accommodations in Arusha but very limited in Natron Basin (bush camps at Engaresero; e.g., Lasivunye).
- Climate: hottest Nov.-Feb.; coolest May-Aug. (best). Wet periods from Oct.-Dec. and March-May.
- Hire local Maasai guide (\$40-\$50/day); check in with local village leaders.

Kenya: Research Permits

- Research permits from NCST: National Council for Science and Technology (Form B): www.ncst.go.ke (online application)
- Three-year permits.
- \$500 per person (2013 rate) / \$400 for grad students.
- Also require a local affiliating institution to vouch for the proposed research (Form D).
- Sample collection permits: obtain from Division of Mines and Geology in Nairobi prior to departure (1/2 day).

Kenya: Other Considerations

- Rental vehicles from Nairobi (self-drive): \$120-\$150/day (from city center; includes insurance; excludes gas)
- Accommodations in Nairobi but very limited in Magadi Basin. Limited options in Olepolos, Magadi, Nguruman, and Shompole.
- Drive from Nairobi to Magadi: 3 hours
- Climate: hottest Nov.-Feb.; coolest May-Aug. (best). Wet periods from Oct.-Dec. and March-May.
- Communicate with local Maasai; hire guides (\$30-\$40/day)