

Global Partnership for Sustainable Construction and Resource Efficiency
2021, July 16th

AN OVERVIEW ON CHANGING LANDSCAPES

the use of satellite images to raise awareness about the effects of urbanization

Federico Monica
PhD, founder of Placemarks-Africa











PlaceMarks — a look at a changing Africa



www.placemarks-africa.org

Placemarks works on the analysis of satellite imagery to assess the changes that are taking place in landscape, natural environment and ecosystems across Africa.

Satellite imagery

opportunities for researchers and experts

SECTORS

ORS ACTIVITIES

Urbanization

Environment

Agriculture

Mining

Infrastructures

Planning

Research

Monitoring/Evaluation

Communication

Al development

Satellite imagery opportunities for everyone

Free and accessible tools

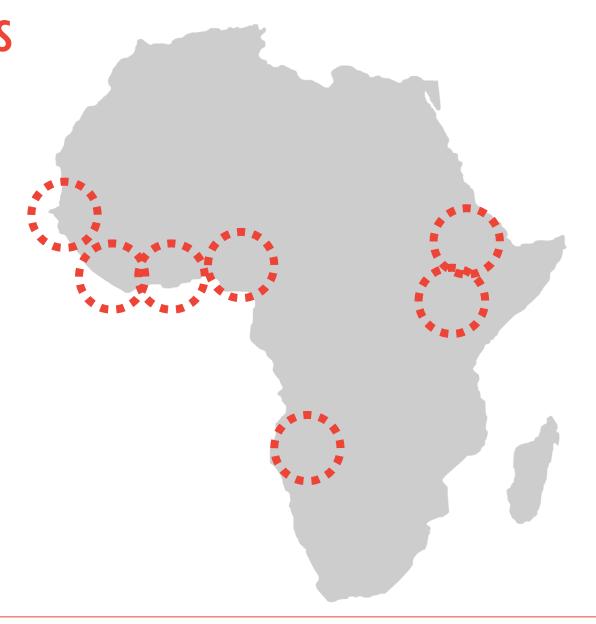
Good resolution and coverage

Opportunities of simple elaborations



A tour of hidden impacts of urbanization and construction sector

Cement production
Quarrying
Sand mining/dradging
Informal quarrying/sand mining















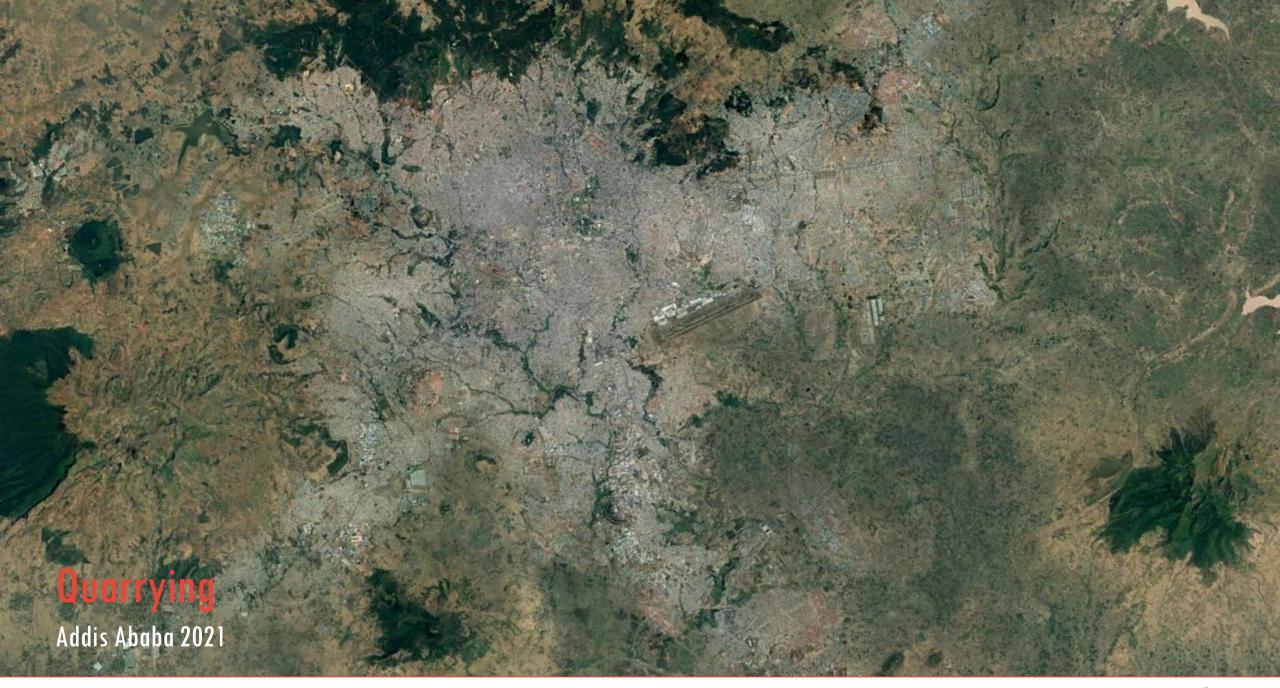


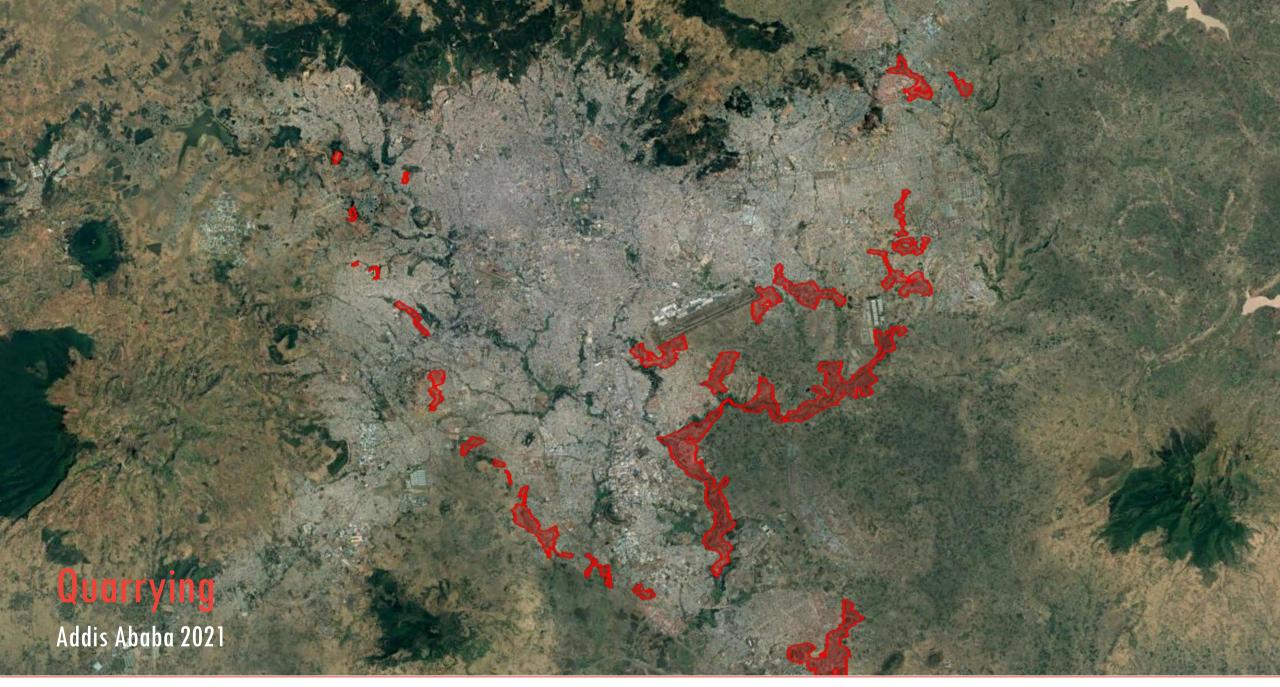






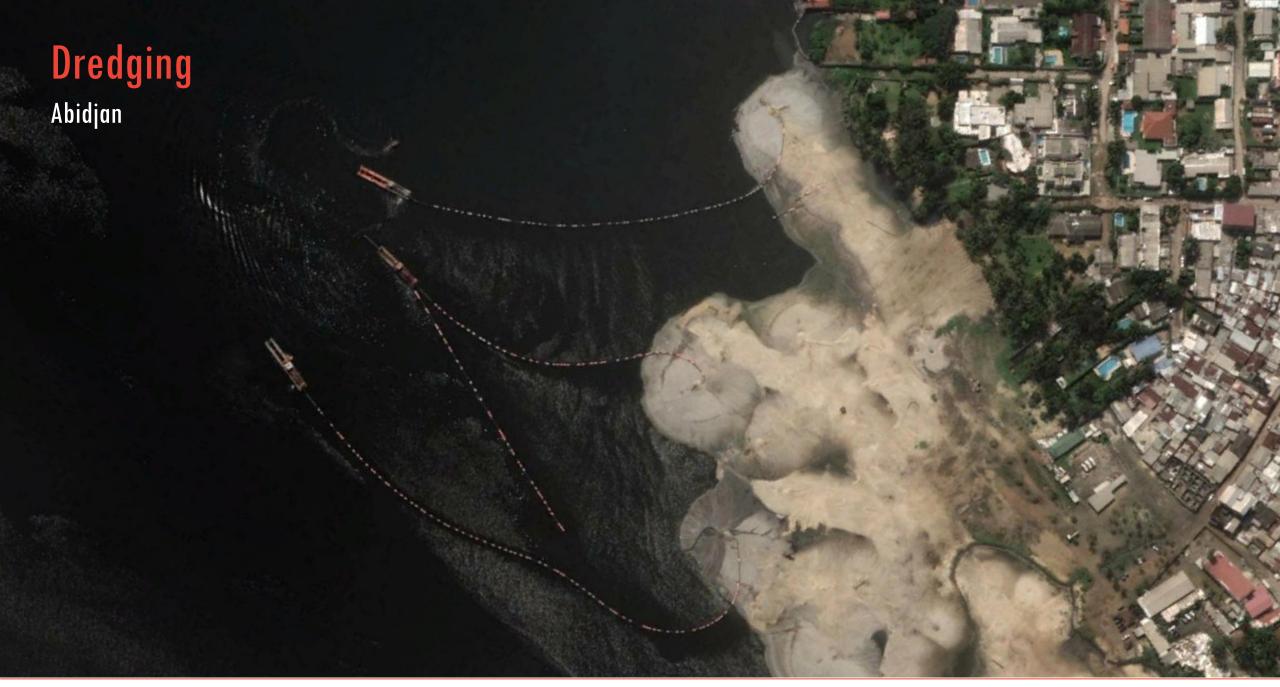








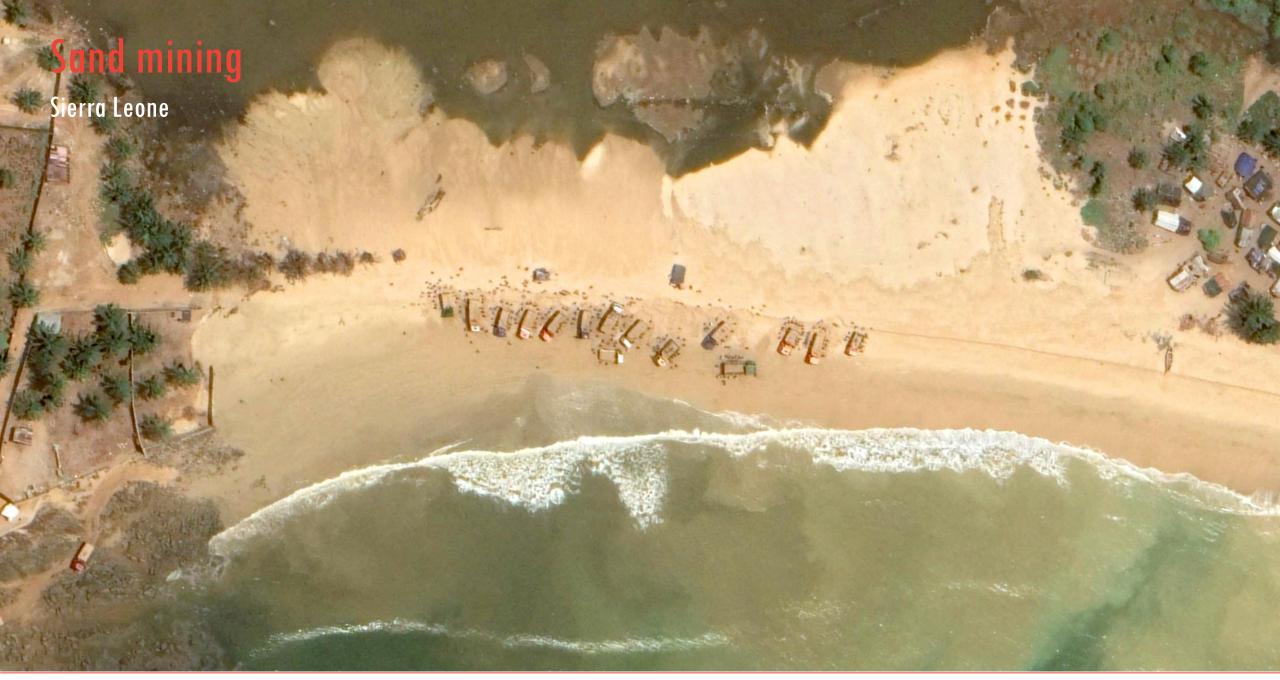
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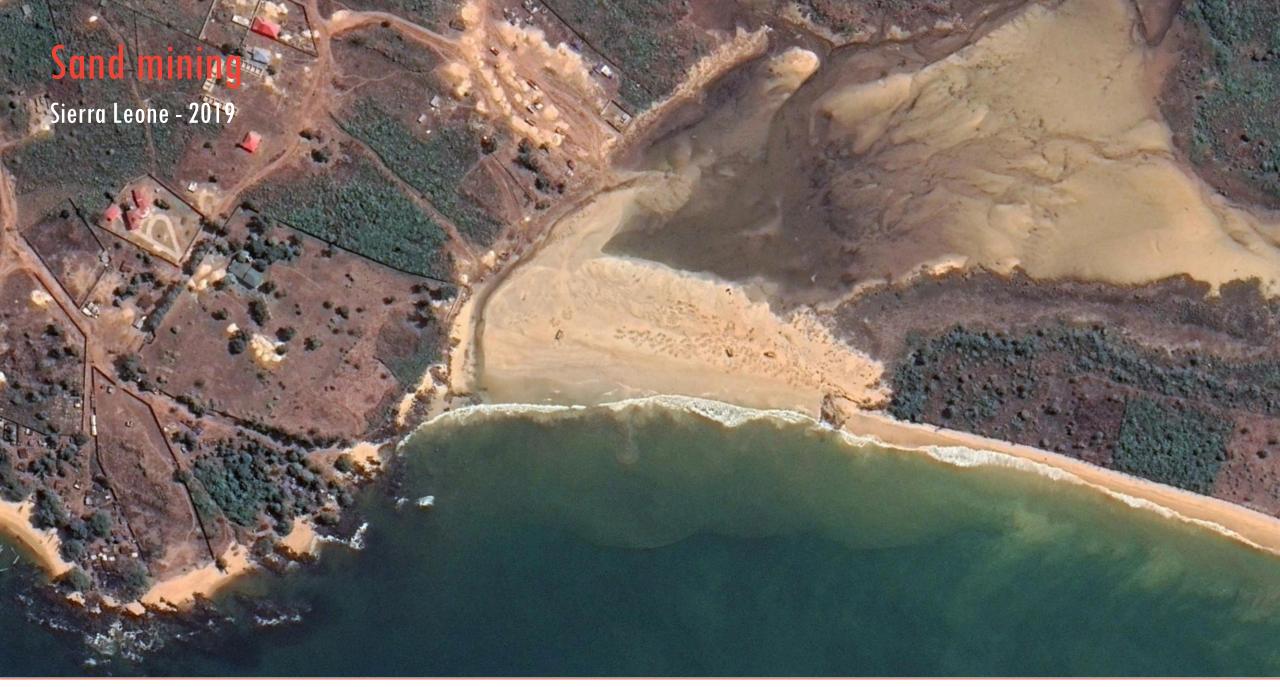


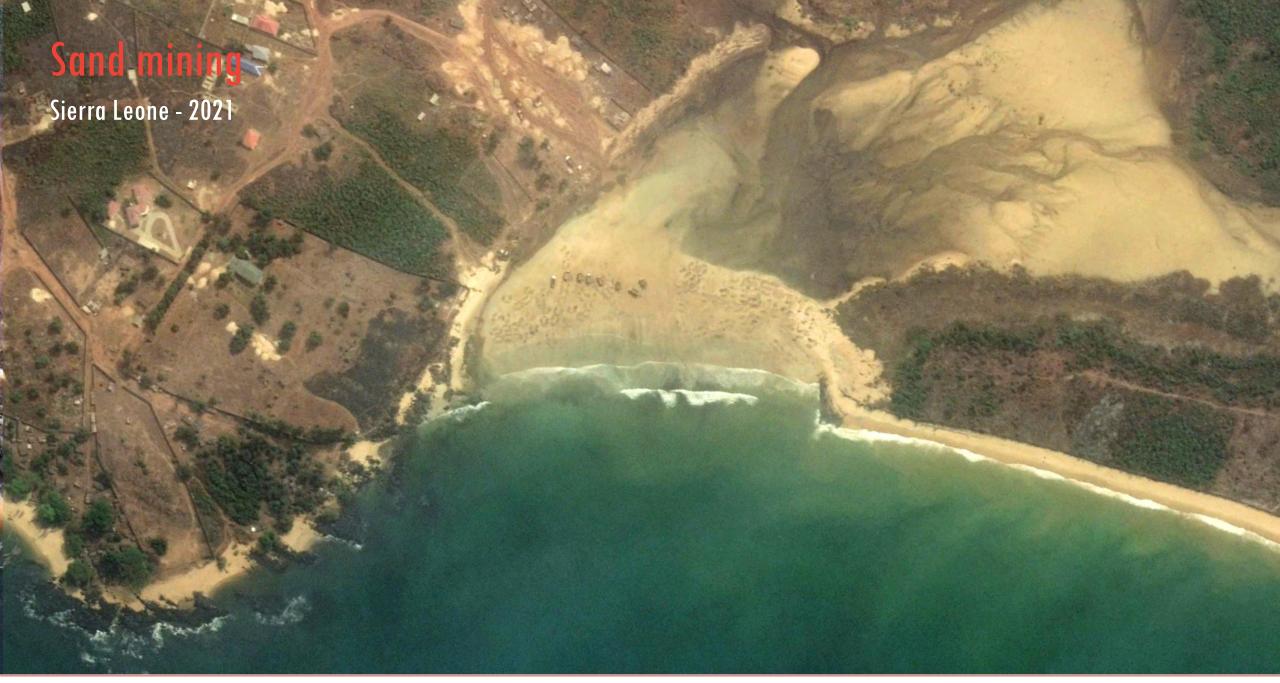








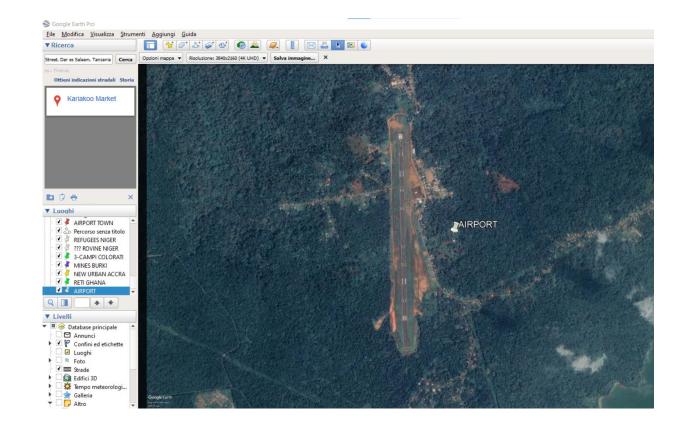






Free and open research tools

- Google Earth
- Bing Maps
- Zoom earth
- Earth explorer



Training for self assessment

Training of local communities to self-assess and monitor their area or neighborhood

Training in schools and universities to educate to recognize issues or dangers and develop active citizenship





How to identify quarrying areas?

- different ground color
- widespread roadpaths
- presence of trucks/vehicles
- no vegetation





