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Post-Mining Income-Generating Environmental Rehabilitation

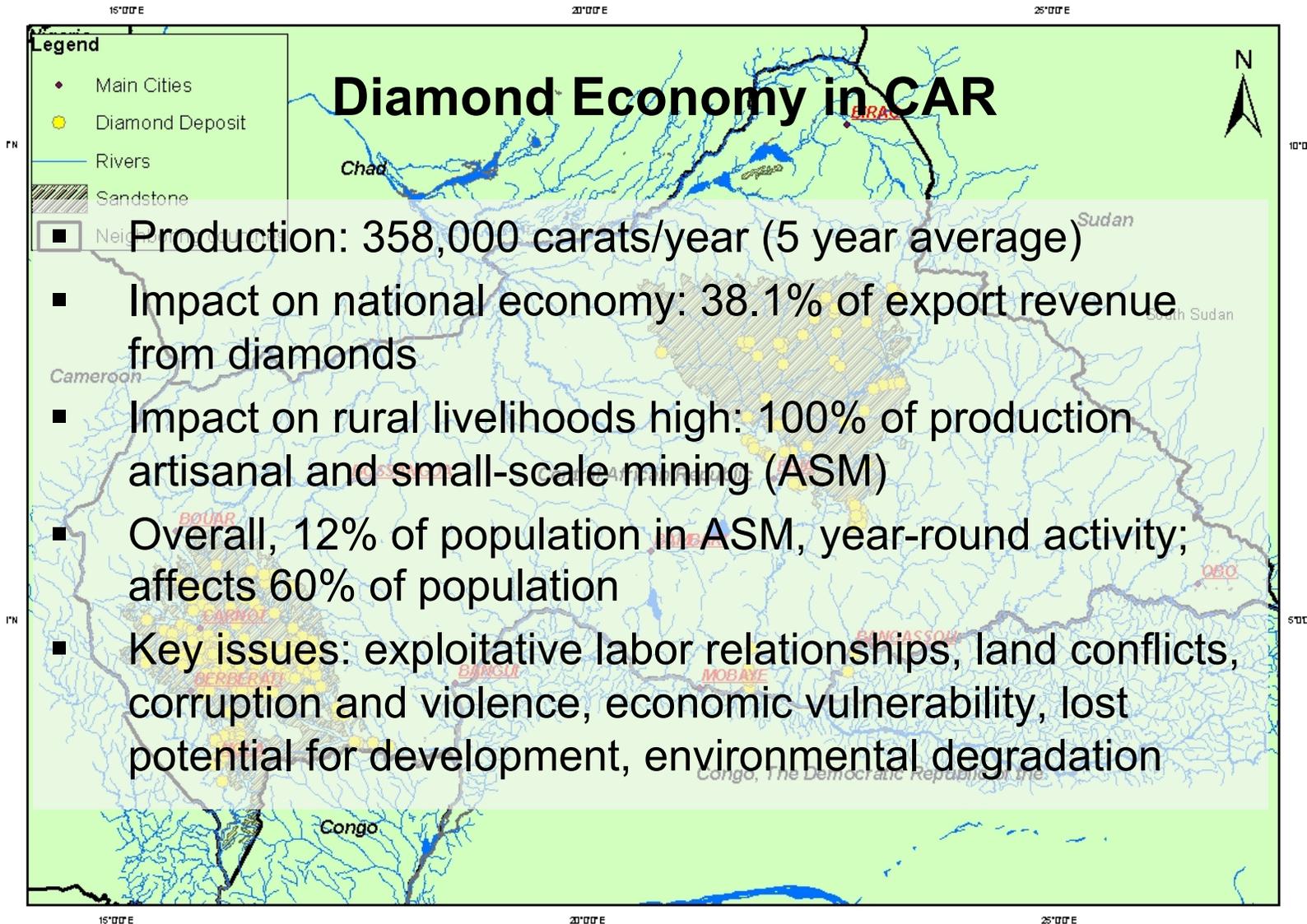
A Case Study from the Central African Republic

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Enhancing the Development Potential of Artisanal and Small-Scale Mining
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Environmental Impacts

Impact Type	Severity
Water quality & abstraction	High
Waste & hazardous materials	Low
Ecology & biodiversity	High
Air quality	Low
Aesthetics & noise	Moderate
Energy use	Low
Social & health hazards	Moderate
Land degradation	High
Climate	Low





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Property Rights and Artisanal Diamond Development (PRADD)

- Joint USAID/State initiative to support Kimberly Process
- In CAR since 2007
- **Project Objective:** *Increase the amount of alluvial diamonds entering the formal chain of custody while improving the benefits accruing to mining communities through an approach of strengthening property rights*
- **Key Components:** tenure clarification, production tracking, local benefits, access to information, environmental impact mitigation

REPUBLICQUE CENTRAFRICAINE
Unité – Dignité – Travail

DIRECTION REGIONALE DU SUD OUEST

CERTIFICAT DES DROITS COUTUMIERS DE PROPRIETE

IDENTITE DE L'ARTISAN

Nom et Prénoms : KETTE André
Sexe : MASCULIN
Date de naissance : VERS 1961
Résidence actuelle : Ndéléngué-SCED
ID de l'Artisan : CCH1264



DONNEES PHYSIQUES DE LA PARCELLE

ID Chantier	CCH1264-1
Latitude	3,3136709999999998
Longitude	16,33379
Cours d'eau exploité	NDELENGUE
Délimitation physique de la parcelle	Cours d'eau Marquage sur les arbres
Superficie totale (m ²)	7500

DONNEES COUTUMIERES DE LA PARCELLE

Reconnaitances coutumières	Reconnaissance par le travail investi
Mode d'appropriation de la parcelle	Don

LE DIRECTEUR
Ingénieur Géomètre - Mineur
Cyrille Bati - AMADORA

NB : Le présent certificat ne fait pas de preuve et/ou de permis d'exploitation artisanale et son titulaire n'est en aucun cas dispensé de l'obtention de ses droits.



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POMIGER: Post-Mining Income-Generating Environmental Rehabilitation

- Conversion of old pits into fish ponds, vegetable farms and agroforestry sites
- Rapid growth: from 18 to 580 sites in about one year (2010-2011)
- At least 50 hectares restored or 5% of identified degraded land in two provinces
- Majority fish ponds (90%), about 40% in confirmed mined out pits
- Two questions:
 - Why apparent success?
 - To what extent applicable elsewhere?





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Factors & Motivations

- Economic context
 - Diamond economic crisis, extra vulnerability due to neglect of agriculture, attitudes towards risk
- Food insecurity
 - Economically driven (agriculture) and environmentally driven (fish)
- Geographical, historical, social
 - Site suitability, previous exposure, generational differences
- Tenure security
 - Impact of the certificate and validation, land market, conflict reduction



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Key Lessons

- Identify complementary livelihood activities that are beneficial environmentally, but also appropriate and attractive for the given economic context
- Implement the program using good development principles and practices, including community-driven partnerships, longer time horizons and government involvement
- Balance association and individual levels to capitalize on individual entrepreneurship and community benefits
- Organize staffing structures and incentives to favor proximity communication and sustained technical assistance, and focus on letting results “speak for themselves” through opinion leaders
- Ensure that attention is paid to land tenure as a prerequisite and tool for sustainable resource use



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Limitations & Challenges

- Geographic and technical
 - Site suitability, protected areas, spatial extent
- Long-term viability
 - Possible new diamond boom, technical follow-up, economic viability
- Secondary impacts
 - Water conflicts, mission creep

Conclusion

Approach is not panacea, and has real limits and limitations, but should be considered to adapt to similar contexts



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