



Chris

Winston

Alyosha

Einar

Hamza



## ***FAIR TANTALUM***

Certified – **fair** – conflict-Free

- Based in: LIBERIA
- @ KICK-OFF stage
- Own private funding
- Supported by EIT RawMaterials
- Strong network
- Strong social & community relations skills
- Strong expertise in (artisanal) mining
- Driven to change artisanal mining and change lives



ECTerra (Aus) Pty Ltd  
ECTerra GEO Consult GBR

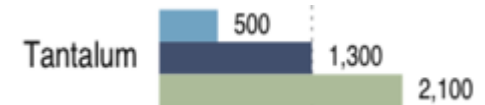
Supported by



Co-funded by the  
European Union



# Case study: coltan raw material in Africa

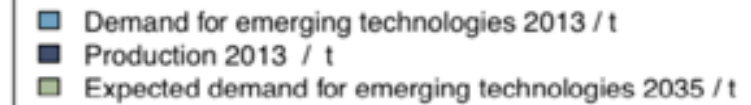


## Why?

- High-tech raw material for the electronics industry
- Applications in mobile phones and capacitors
- e-Mobility & renewable energy
- High-Tec steel

## Problems

- Up to 60 % coming from small scale mining
- Occupational safety, environmental protection, child labour
- Most productive deposits in Africa
- Conflict/war zone
- „Ethical Sourcing“
- Artisanal Small Scale Mining
- High volatile raw material costs
- Critical transport routes

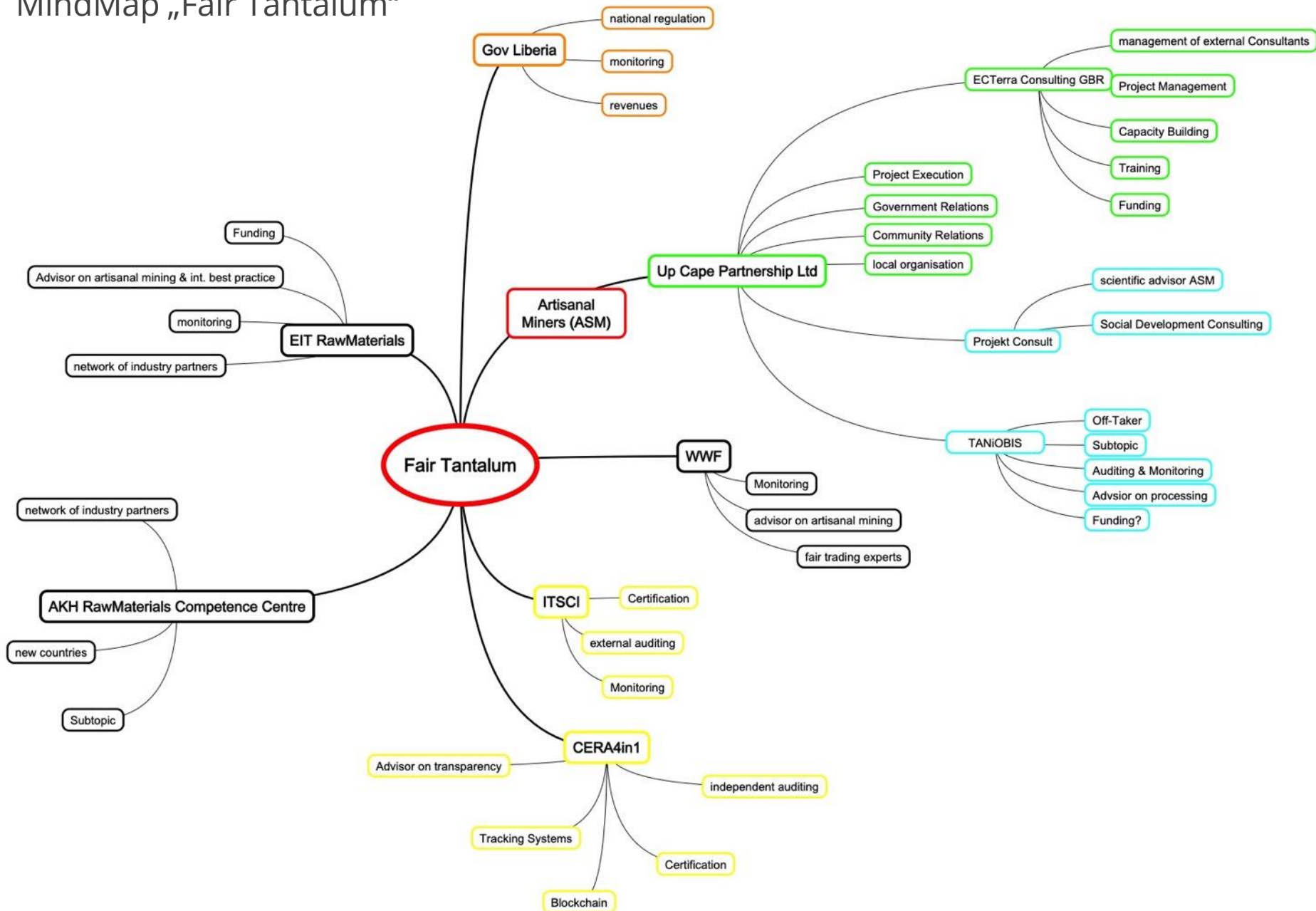


Length of bar for each raw material  
normalised to the respective production in 2013

Quelle: DARA



# MindMap „Fair Tantalum“





# Goals

## Responsible Raw Material Supply Chain

- Unique and innovative organization with regard to the evaluation and safeguarding of artisanal mining and supply chains
- Development & Environmental Policies especially in artisanal mining
- Certification
- Conflict-free, strategic, responsible mining
- Transparency
- Comprehensible, Independent



# Benefits

- Increasing transparency in the supply chains for raw materials, and enabling participation for non-technical specialists in these discussions
- Unique pool of experts for the raw material industry with vast social and community development experience
- Legalised artisanal mining
- Highest HSE standards
- Better life quality
- Social contribution
- Taxes & royalties
- Indirect and direct jobs
- Gender policies



# Innovation - Added Value - Services

## Policies

- Stabilisation of crisis regions
- More stable country agreements
- Reversal of refugee flows
- Increasing the local economy
- Controlled and managed development aid
- Better technology transfer through partnerships

## Economy

- Stable and controllable market prices
- Clean raw materials, certified and sustainable
- More intensive research into environment
- Cost control and massive savings in purchasing
- Stable position of suppliers
- New jobs

## VALUE for Everybody

## Environment

- Clean and certified raw materials with new standards and fingerprints
- Highest environmental protection standards worldwide
- Controlled rehabilitation and closure
- New uses of old mining regions
- Better standards in small-scale mining

## Social Affairs and education

- Promoting domestic and local education
- Strengthening local communities in mining regions
- Creation of new jobs
- Strengthening of local universities
- Strengthening of small mountain farmers
- Better Knowledge transfer
- Better promotion of German geologists, mining engineers and preparers

# Target Customers

**TANiOBIS**

Automobile Industry

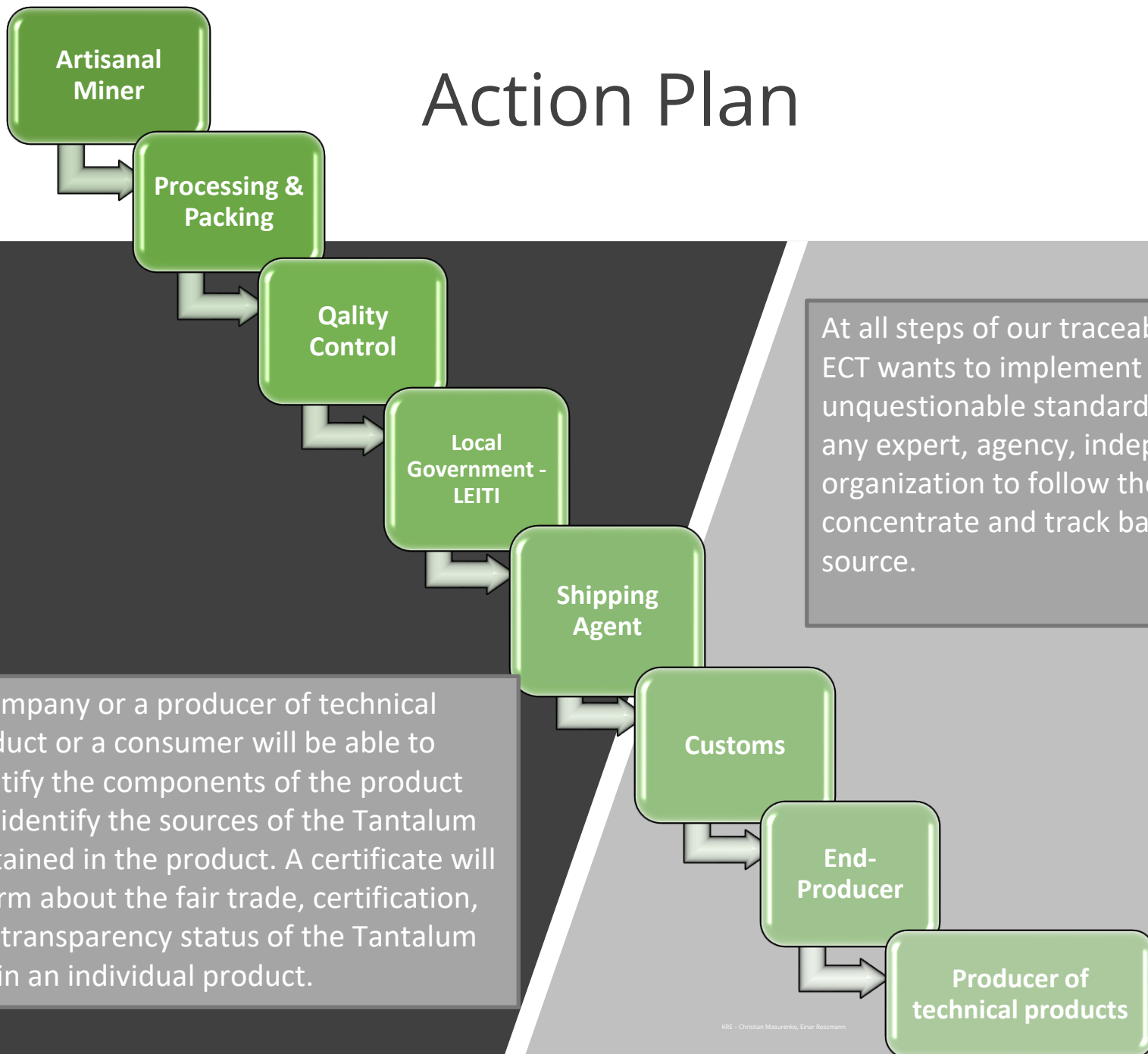
Steel & Tools Manufacturer

Aeronautic Industry

Chemical Industry



# Action Plan





# Our TEAM!



Winston

Lawyer with substantial experience providing legal, business, and political consulting in Africa including 10 years in Liberia



Einar

Geologist, over 20 years in mining and raw material associated business. 2 years in certifying conflict minerals in DRC for BGR



Hamza

Hamza has over 20 years of experience gained in senior roles in Finance within manufacturing and service sector organizations in Australia, UK, Botswana, Ghana, Nigeria, and Sri Lanka



Chris

Over 20 years in mining, artisanal mining, and raw material industry; additional qualification Environmental Officer and Competent Person int. codes.



Alyosha

Managing Director general business administration services company based in Monrovia, Liberia, since 2014

Allen



Liberian geologist with over 25 years in mining, artisanal mining, and raw material industry; worked with large int. groups in iron ore; trained in int. standards

Joseph



Joseph is a Social Performance Specialist in the extractive sector with over 17 year's experience, working on Artisanal and Small Scale Mining, Social Policy, Environment and Social Impact Assessment, Environmental and Social Due Diligence, Resettlement Action Plan and Community Relations. In alignment with int. standards & best practice - World Bank – IFC Performance Standards, ICMM Guidance Note, EBRD Standards, Voluntary Principle for Security and Human Right (VPSHR).

Photo: Christian Masurenko, Einar Thorsheim

# Continued...



Uwe Bruder

Processing Engineer

A reliable partner with more than 30 years of work experience in mechanical process engineering, and processing of ores, minerals and recycling products worldwide. With a degree in Mineral Processing at TU Bergakademie Freiberg I began my professional career in 1983. Until today I have always passionately focused on minerals and ores.

As a research team leader for uranium leaching, as a project and sales engineer for wet mechanical processing or as a sales manager for premium fine screening machines



Manfred Zbrzeny

Fyrkuna Metals

A Liberian owned Company with a German Manager, Manfred Zbrzeny. Working since 2007 we execute metal construction and design works in steel. Furthermore, we specialized in weapon conversions, “Arms into Art”. We host training workshops for the produce of improved cooking stoves at our facility. The general Manager, Manfred Zbrzezny, a German national started training as blacksmith in Italy in 1984 and has worked since then as welder and blacksmith in Italy, Germany and Liberia. Working in Liberia means to accept multiple challenges and to know how to overcome them.

# Current & Potential Partners

- TANI OBIS
- EIT RawMaterials
- AHK Raw Material Competency Centres
- WWF
- DERA/BGR/EFG
- ITSCI & CERA4in1
- GIZ
- Media & Journalists
- Local NGOs
- Sponsors & Experts



# Why collaborate with us?

**Because  
we don't want to see  
this anymore!**

- > 100 Million Artisanal Miners worldwide
  - Up to 20 % AMS raw materials in world production
  - Child labour
  - No HSE
  - ...
- 
- ✓ We want to change the Raw Material Industry
  - ✓ We want to implement new standards
  - ✓ We want to make a positive impact on social
  - ✓ Development
  - ✓ We want to show that responsible mining is
  - ✓ possible

