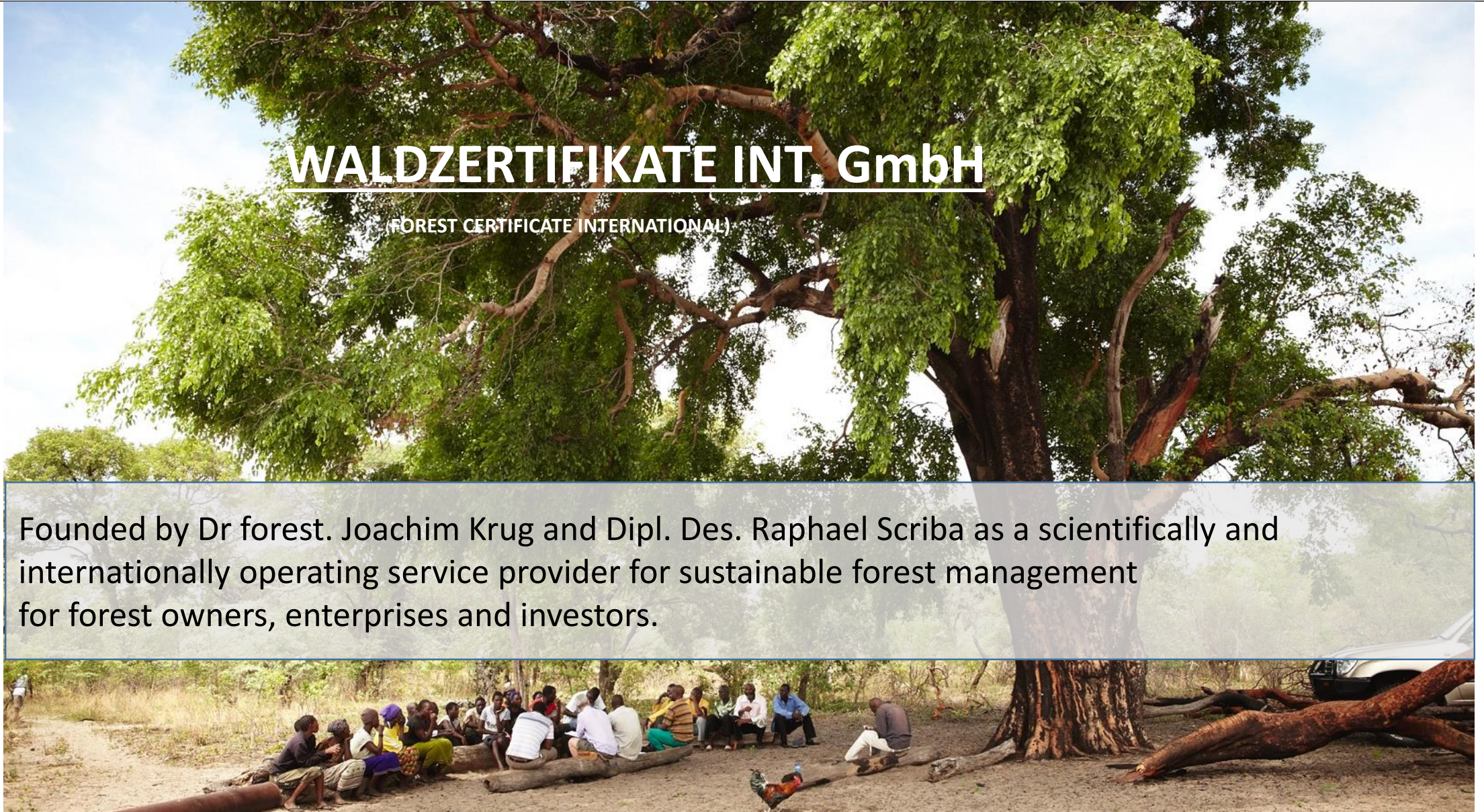




WALDZERTIFIKATE INT. GmbH

(FOREST CERTIFICATE INTERNATIONAL)

Founded by Dr forest. Joachim Krug and Dipl. Des. Raphael Scriba as a scientifically and internationally operating service provider for sustainable forest management for forest owners, enterprises and investors.





- **Dr forest. Joachim Krug** has been working for over two decades as a scientific advisor on the protection and sustainable management of forests worldwide with main focus in evaluation of forests especially in the changing importance of forests in the context of climate change, taking into account ecological and economic interests.
- On behalf of the **Federal Ministry of Food and Agriculture in Germany** he was scientific advisor to the delegation at the climate negotiations (COP 7 to COP 13) from 2007 to 2013 and is appointed by **TÜV Nord** - the only verifying validating body (VVB) in Germany - as an external technical expert and responsible for all verifying certification processes.
- **Dipl. Des. Raphael Scriba** has been living and working parallel in Namibia and Germany for 30 years and looks back on an extensive expertise in project management! His portfolio includes long-term cooperation with many NGOs such as Medicines Sans Frontiere, WHO, GiZ, Goethe Institut, Misereor, Menschen gegen Minen e.V., etc. and has been working in all areas of creative, strategic communication and investigative journalism for international media and television stations.



THE FUTURE OF NAMIBIA'S FORESTS

How to create additional income through

CO₂-CERTIFICATION



PREAMBLE

True climate neutrality, which has been set for 2045 at the latest, will not be achievable without compensation of so far unavoidable emissions.



Worldwide climate crisis is a fact

– our planet earth is heating up!

- This is widely realized and accumulates in the international agreements from Kyoto to Paris. Their extended protocols demand drastically steps towards climate neutrality as soon as 2045.
- How can we reach this ambitious goal?
- **FIRST** + most important: **avoid any emissions!**
- **SECOND** - World wide pollution issuers will be forced to “compensate” **unavoidable emissions** by buying CO2-Certificates on the international market. The aim is to avoid emitting CO2 and motivating emitters to clean up their production processes!
- **OUR FOREST** is our most successful tool to archive climate neutrality! Forest carbon removal by CO2 sequestration and Green House Gas removal performance is the most important sink under human management! From now on this will be honoured + can literally **be cashed in by CO2-certificates!**



NAMIBIAN FOREST

About 1/3 of the forests in Northern Namibia is diminished since 1990.
Deforestation and severe degradation continue!



OUR FORESTS play a fundamental role in the fight against CLIMATE CHANGE!

- The **protection of the remaining forests** and the improvement of ecosystem services is of paramount importance both regionally and nationally.
- The influence on the **precipitation regime** and the threat of warming in Central and Southern Namibia with progressive desertification as a result cannot be denied.
- **This negative scenario has to be turned around immediately!**



A HUGE CHANCE FOR NAMIBIA!

Namibia got the unique chance to protect its endangered dry-forest yet financed through international traded CO2-certificates at no own costs!
+ Gain a remarkable income for its own communities e.g. conservancies!



- Looking at our - at least partly still original - Dry-Forest in Northern Namibia as a unique and sensitive ecosystem => it might be **difficult to enable sufficient funds** for the management, protection and especially rehabilitation of forest with forest products alone.
- Non-wood forest products and cultural and environmental services, as well as carefully and sensitive managed eco-tourism are of great importance, and should not be declined but have as well **limited markets**.
- **CLIMATE PROTECTION SERVICES**, i.e. the function of forest as carbon reservoir and Green House Gas (GHG) sink, plays a central role in the fight against climate change and is therefore internationally sought after and **PAID FOR !**



BASIC IDEA: CARBON CONSERVANCIES

CO₂-removal certificates provide a new income opportunity for forest custodians!



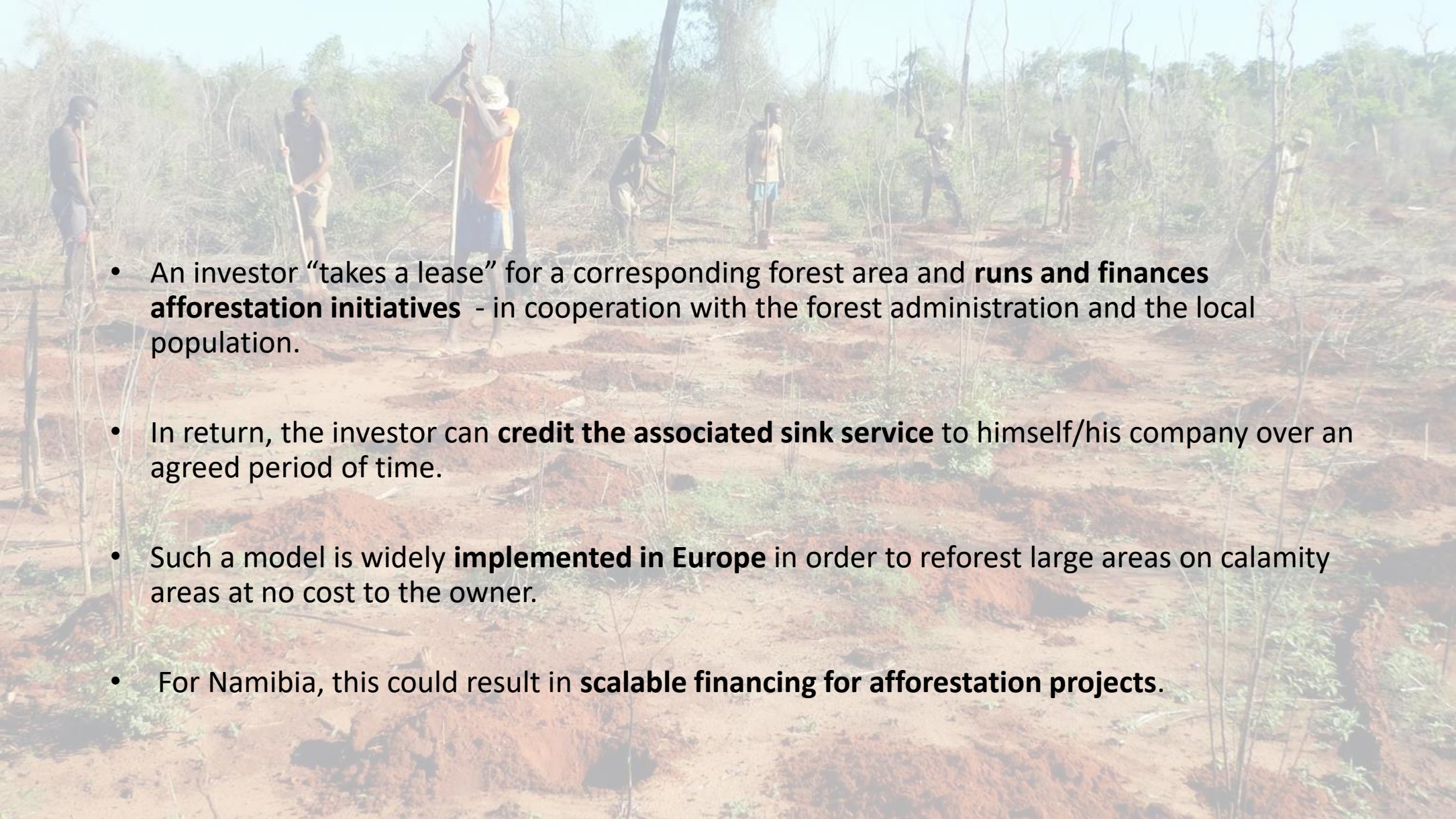
CARBON CONSERVANCIES will generate a long-term income only by taking care of their own forest – they are becoming custodians of their trees!

- Even degraded forest areas of the Dry Forests can still achieve an increased sink capacity of estimated 1 - 2 t biomass per ha and year:
 - 1 t for reduced emission** from deforestation and degradation
 - 1 t for growing biomass**
- **Market value** of this increase via corresponding certificates is currently at least € 20 – 50 and much higher on the regulated market (ETS) with up to € 80 - 100.
- In this respect, such a CARBON CONSERVANCY can **generate an income** of € 20,000 - 50,000 annually (!) on an area of 1,000 hectares.
- Through direct participation, the community experiences a **monetary improvement**. A higher sum can be called up with each tree protected or planted or a proportionate loss with each felled tree!



ALTERNATIVE APPROACH: “EXTERNAL INVESTOR”



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- An investor “takes a lease” for a corresponding forest area and **runs and finances afforestation initiatives** - in cooperation with the forest administration and the local population.
 - In return, the investor can **credit the associated sink service** to himself/his company over an agreed period of time.
 - Such a model is widely **implemented in Europe** in order to reforest large areas on calamity areas at no cost to the owner.
 - For Namibia, this could result in **scalable financing for afforestation projects**.



REQUIREMENTS – WAY FORWARD

Up to date a FOREST INVENTORY is urgently needed!



- All of the financing options mentioned above are based on current **FOREST INVENTORY** adjusted to the desired certification on the international market. Only the latest, reliable forest data enable a reliable baseline for further calculations and successful planning.
- Modern data collection - **REMOTE SENSING METHOD** - e.g. based on micro light, drones or satellite, can also reliably map large areas. The latest techniques and programs should be made available to the Namibian partners in order to support them in future-orientated forest data collection.
- The **CARBON CONSERVANCY** project can be taken over by Namibian partners at relatively short time. In addition, the project would have a significant role model function and radiance into regions with comparable conditions.

Similar projects are already launched in e.g. Zambia, Ethiopia, Kenya.



SUMMARY - WHY CO2- CERTIFICATES?

- **The positive reverse** of degradation and destruction of the Namibian dry forests only through external financing via international certificates for the benefit of Namibia and it's people!
- Large-scale afforestation projects - the most efficient option to increase Green House Gas (GHG) removals - can be **financed externally** via certificate trading.
- Both the protection of existing forests and reforestation projects, help the Namibian state to fulfil the **Nationally Determined Contributions (NDC)** on how to fight climate change by reducing emissions – and increasing GHG removal.
- We have a **steadily growing CO2 market**, ranging up to currently average of 85 €/Certificate (1 certificate equals to 1 removed ton CO2, equals roughly to 1 m3 timber).



THANK YOU

FOR MORE INFORMATION CONTACT

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