

## Climate Protection

Tree Planting is a very effective method to decrease the danger of climate changes.

Emissions can be balanced by tree planting because photosynthesis of growing trees absorbs CO<sub>2</sub> from the atmosphere.

### You are welcome to follow this way.

According to the calculation of [www.atmosfair.de](http://www.atmosfair.de), a return flight from Hamburg to Dar es Salaam produces **4.44 tons of greenhouse gases, mostly carbon dioxide or CO<sub>2</sub>**.

To balance these flight emissions, 27 African Tall palm trees need to be planted because every palm tree compensates 160 Kg CO<sub>2</sub>. (Karsten/Irslinger 2014).

1 TUFHAMIANA palm tree costs: 2 USD  
or 1,90 € or 1,50 GBP.

Payment: 27 x 2 = 54 USD or 27 x 1,9 = 51,30 €  
or 27 x 1,50 = 40,50 GBP.

Another example: Return flight Berlin – London is 530 kg CO<sub>2</sub>.

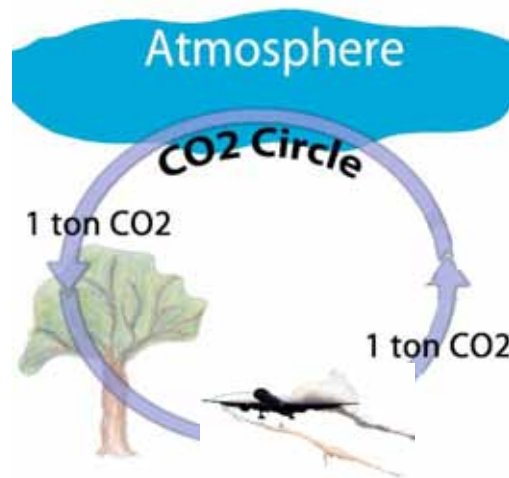
530 : 160 = 3,3 palm trees or 6,6 (7) USD, or 6,27 (7 €) or 4,95 (5) GBP.

Calculate your flights with [atmosfair](http://atmosfair.de), collect the money for one year and send it directly to the TUFHAMIANE account – so the women's group can plant YOUR palm trees and teach YOUNG PEOPLE.

You are welcome to visit TUFHAMIANE in Kizimkazi, Zanzibar.

Every year in February/March the palm trees are checked and counted by the Deutsch-Tansanische Partnerschaft e.V. ([www.dtpev.de](http://www.dtpev.de)).

If you have any question, please send an e-mail to: [andreakarsten@gmx.de](mailto:andreakarsten@gmx.de).



### TUFHAMIANE womengroup

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[www.dtpev.de](http://www.dtpev.de) (Projekte)



Bank:

The Peoples Bank of Tanzania

Ltd./Code 003

Account: 021207001557

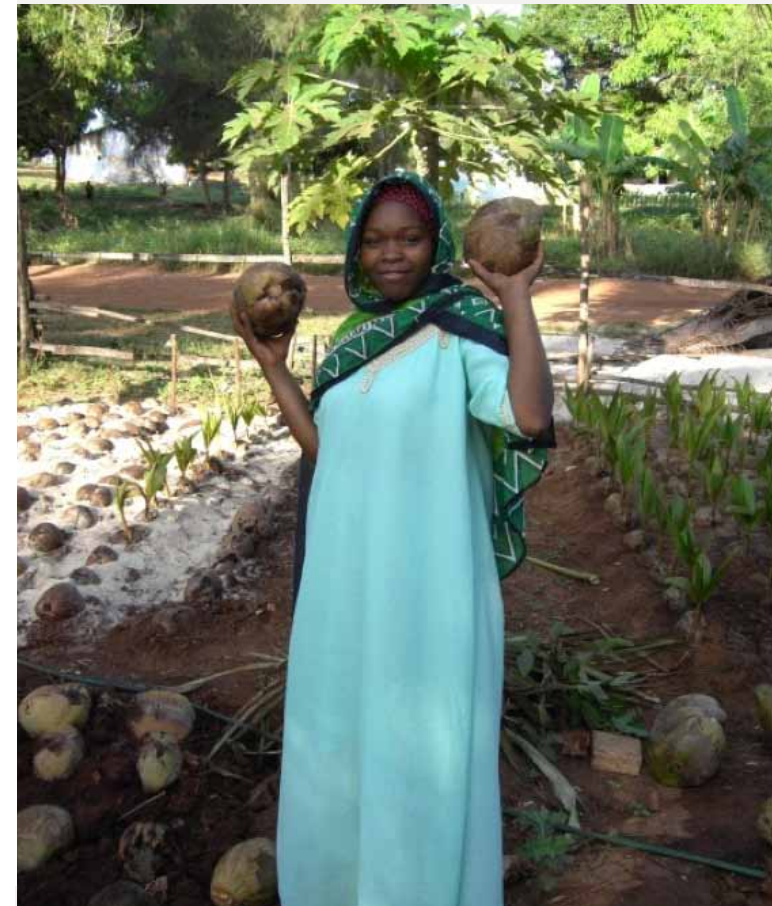
SWIFT CODE: PBZATZTZ

## Our Partners



# Plant your Palmtree!

WITH TUFHAMIANE





## About TUFHAMIANE

In 2004, the women's group TUFHAMIANE of Kizimkazi, in the South of Zanzibar, started to plant AFRICAN TALL PALM trees. They learned together how to grow the palm trees from coconut seeds. They were supported by the NGO Deutsch-Tansanische Partnerschaft e.V. (DTP), who compensated for the greenhouse gases emitted during their flights from Germany to Tanzania as part of their volunteer programme. Growing numbers of volunteers and growing numbers of palm trees made the PLANT YOUR PALMTREE programme possible.

## What do they do?

TUFHAMIANE wants to teach YOUNG PEOPLE about the importance of planting trees and they would like to enlarge their programme, so more people are needed to compensate for flight emissions with TUFHAMIANE.



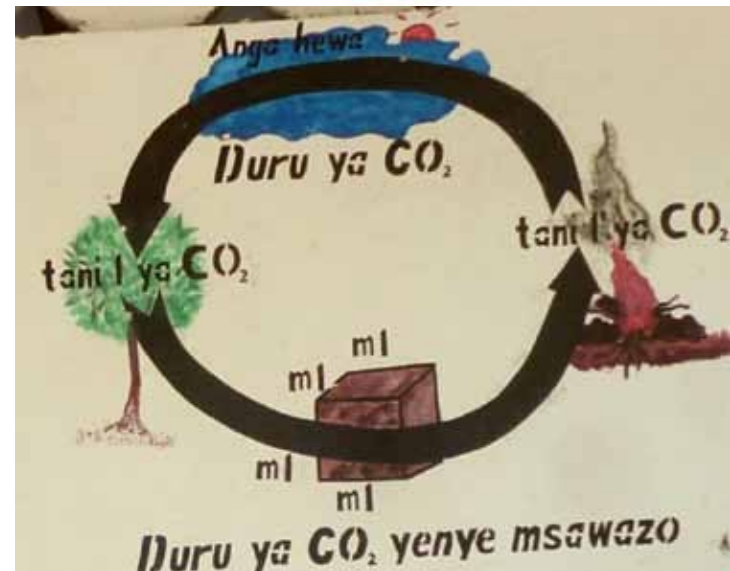
## Social Impact

Help the women's group to generate income and to teach the young generation the importance of planting trees for a sustainable future.



## Sustainability

Sustainability means that if you cut down trees you have to plant new trees. The next generation needs trees to live. In Zanzibar people need palm trees because they are used every day in building, cooking and handicraft.



## Climate Changes

Every flight produces greenhouse gas emissions – especially CO<sub>2</sub>.

You can balance the emissions of your flight by planting trees. Photosynthesis of growing trees removes CO<sub>2</sub> from the atmosphere. The picture illustrates how planes produce CO<sub>2</sub> and trees absorb CO<sub>2</sub>.

Burning fossil energies like oil, gas and charcoal increases the greenhouse gases in the atmosphere. They form a shield, and less heat, reflected from earth, can return to the atmosphere.

Earth heats up more and more. The climate changes. Sea levels rise, deserts grow, hurricanes and floods destroy the environment of human life.