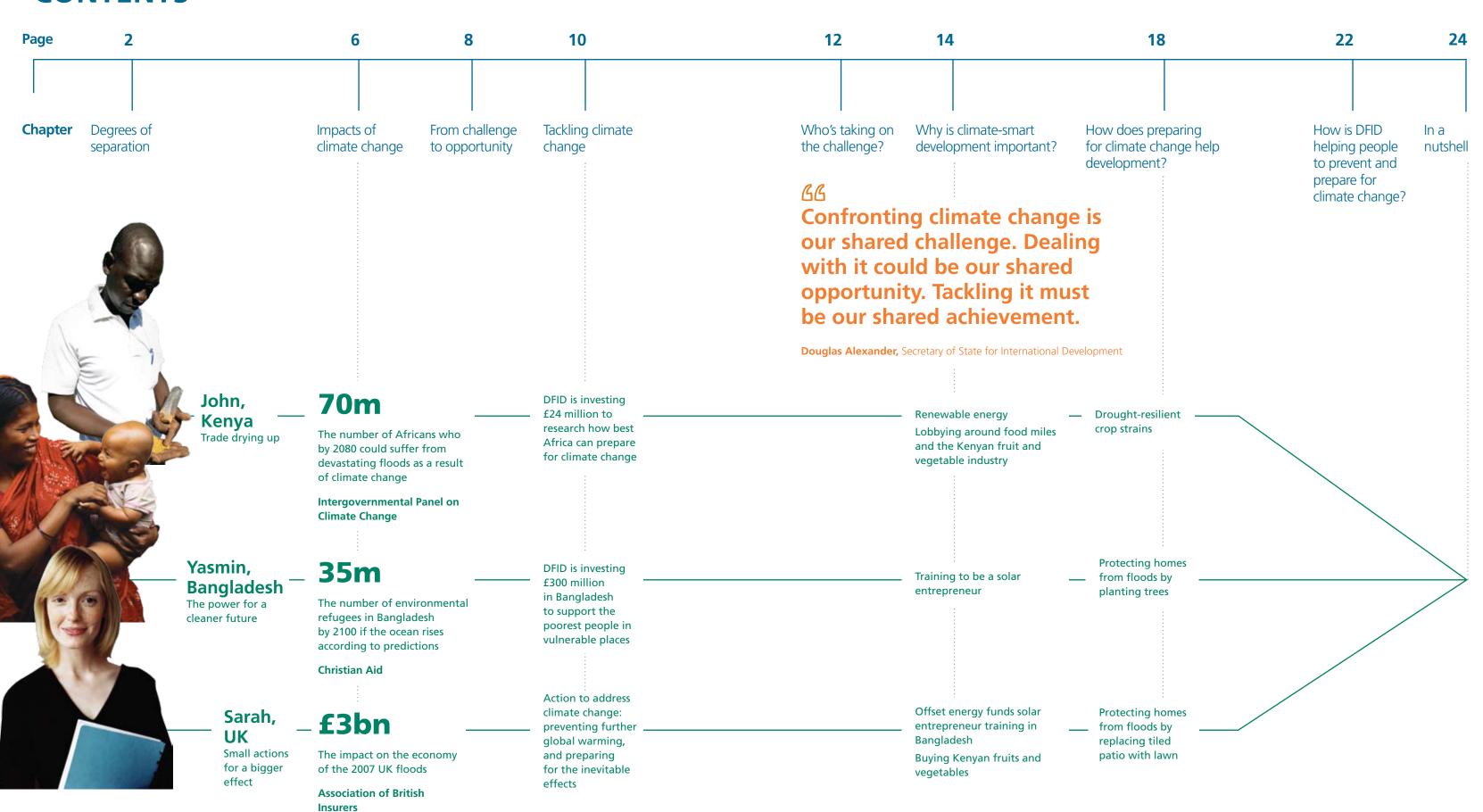


CONTENTS



DEGREES OF SEPARATION

Forget about making poverty history.
Climate change will make poverty permanent.

Nazmul Chowdhury,Practical Action

Only a few degrees of increased temperature separate us from dangerous climate change. The consequences of this will be devastating, especially in poor countries where poverty will increase and development will go into reverse.

In some ways global challenges like poverty and climate change can be seen as great dividers – exposing the degrees of separation between people who can afford to cope and people who cannot.

But equally, they can bring distant communities together, united against a common threat. Although it is the world's poorest countries that face the greatest challenge, we live in an increasingly globalised world; we're all in this together. Tackling poverty and climate change is a priority for us all.

Take John Wekesa, Yasmin Rezwan and Sarah Burnell for example, who are based on real people from Kenya, Bangladesh and the UK. Although they live separate lives a great distance from one another, they all have something in common: they are looking to tackle the impacts of climate change and to improve their lives.

Through their stories it becomes clear that their situations, the challenges they face and the opportunities they take are increasingly interconnected, despite living thousands of miles, and seemingly worlds, apart. By exploring the links between these individuals we discover that in fact, the degrees of separation between people around the world, and between them and global issues such as poverty and climate change, are smaller than we might expect.

Our narrators, John, Yasmin and Sarah are fictional characters, but their stories are based on experiences lived by real people in Kenya, Bangladesh and the UK.



YASMIN REZWAN THE POWER FOR A CLEANER FUTURE

28 BANGLADESH

WORKS:

In her family's small road-side restaurant. Yasmin hopes to send all her children to school, but often earnings from the family restaurant aren't enough to buy the school books and uniforms her children need. She dreams of a secure income that will enable her to plan ahead and invest in a safer future for her and her family.

DIRTY POWER

There's no electricity supply to the restaurant, so light comes from burning kerosene lamps. Combined with the wood-burning ovens, this creates a hot, smoky atmosphere which both turns customers away, and means the family suffer from skin and chest complaints.

Yasmin knows a cleaner power supply would not only improve her family's health, but would also enable Yasmin to install a television showing sport, which she knows is a crowd-puller. But her options are limited: wood fuel is in short

supply due to deforestation and the alternatives are unaffordable.

STORM WARNING

Rainstorms are more frequent and intense than Yasmin remembers from her childhood. During the heavy monsoons, she struggles to protect the restaurant from flooding from the nearby river. One bad flood could wash away the business, and with no savings to draw on, she doesn't know how they would recover.





SARAH BURNELL SMALL ACTIONS FOR A BIGGER EFFECT

35 UK

WORKS:

As a loss adjuster for the insurance industry.

Investigating local residents' insurance claims has made Sarah more aware of the impacts of flooding in the UK. However, having recently followed the news coverage of floods in Bangladesh, she's concerned that people there don't have access to the kind of insurance and support she provides. She now gives some money each month to help

Bangladeshi people prepare for and deal with the heavier monsoon rains.

THINKING GLOBAL

Sarah knows a little bit about climate change, and thinks the extreme weather in Tewkesbury could have been connected. She's become increasingly aware that her contribution to climate change is larger than it should be, but was surprised to read that her annual carbon footprint is over 35 times larger than those of most Kenyans.*

She's concerned that, through her contribution to climate change, her lifestyle could be having an indirect impact on other people. She wants to change that, and is exploring ways to cut down her own impact on the climate.

ACTING LOCAL

Sarah's partner, Paul, runs a small haulage firm. Lately, rising fuel costs have had a real impact on his business, and are forcing the firm to think hard about the fuel efficiency of their fleet and making each lorry load as efficient as possible. Reducing fuel consumption is another way to tackle climate change so Paul and Sarah feel they're both making some contribution.

*World Development Movement





OBSTACLES TO

DEVELOPMENT

In rich countries, we contribute more than our fair share towards climate change. Although developing countries will be hit hardest by the consequences of this, John, Yasmin and Sarah demonstrate that we live in a connected world. The diagram below shows how

CLIMATE CHANGE us all. all over the world. RENEWABLE ENERGY YOU **INCREASED** CLIMATE CHANGE **ALLEVIATION OF** PRODUCTION OF SOLAR **EQUIPMENT AND CHANGING WEATHER PATTERNS** TRAINING OF SOLAR AND EXTREME WEATHER EVENTS FLOOD RESILIENCE CONSUMPTION **DEFORESTATION SHORTAGE OF RESOURCES** (INCL. WATER, WOOD, FARMLAND) UNPLANNED MIGRATION UNNECESSARY **CAR USE** SPREAD OF DISEASE CONFLICT -CONTRIBUTION (E.G. MALARIA) **INAPPROPRIATE BIOFUELS** TO DEVELOPMENT WATER SHORTAGES FARMLAND USED TO GROW DECREASE HYDROELECTRIC **CROPS FOR BIOFUEL INSTEAD POWER CAPACITY** OF FOOD REDUCED COMPETITION

MORE FUEL INCOME FOOD INSECURITY **VULNERABILITY** HIGHER FOOD PRICES -TO FLOODING **Shared Opportunity** However, this connectivity also means The knock-on effects of this will that if we can alter our own behaviours contribute to a more optimistic

to be more climate-smart, we can reduce the impacts of climate change and in doing so, help poor countries to develop.

future: we all have the opportunity to make changes that will be positive for everyone.

TACKLING CLIMATE CHANGE

Action to address climate change falls under two broad themes: preventing the worst extremes of it happening, and preparing for the inevitable effects that are already too late to prevent.

Prevent

Preventing further climate change is vital to securing long-term growth for developing countries. Achieving it depends on action from people, organisations and governments all over the world, to reduce global levels of carbon emissions. Because people in rich countries emit the most carbon, they must lead the way in securing a global agreement to tackle climate change.

Prepare

The impacts of climate change are already evident, especially in developing countries. Before poor people can work to prevent further climate change, they must be able to predict, prepare for and protect themselves against current impacts. However, preparation alone will not tackle climate change. The more we can do to prevent climate change, the less will have to be done to prepare for its impacts.

WHAT IS DFID DOING TO TACKLE CLIMATE CHANGE?

DFID's main aim is to secure a global deal that will enable developing countries to grow in a climate-smart way and to help the poorest people prepare for climate change.

Preventing further climate change so that development can take root is essential. DFID is aware that, as poor countries develop their economies, their energy needs grow. In order to make sure they can sustain their growth, developing countries must look to develop in a climate-smart way. Simultaneously, we must help the poorest people around the world prepare for the inevitable impacts of climate change.

Achieving these aims will deliver rewards for developing countries well into the future.

Children play at night beneath a solar-powered electric light in a village

£800 million

The value of the UK's International Environmental Transformation Fund, jointly managed by DFID and Defra. The fund is for the purposes of reducing poverty through environmental protection and helping developing countries respond to climate change

10%

DFID has committed up to 10% of humanitarian aid towards helping communities reduce the impact of natural disasters

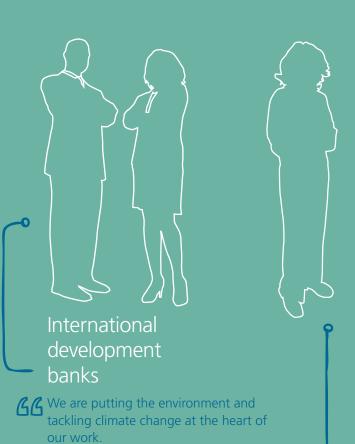
£100 million

The amount of money DFID has committed to climate change research. DFID is establishing a network for sharing climate change knowledge, which developing countries can access

£24 million

As part of DFID's commitment to climate change research, £24 million is being provided to research how best Africa can prepare for the impacts of climate change. This is set to be expanded to Asia and Latin America with a further £50 million

WHO'S TAKING ON THE CHALLENGE?

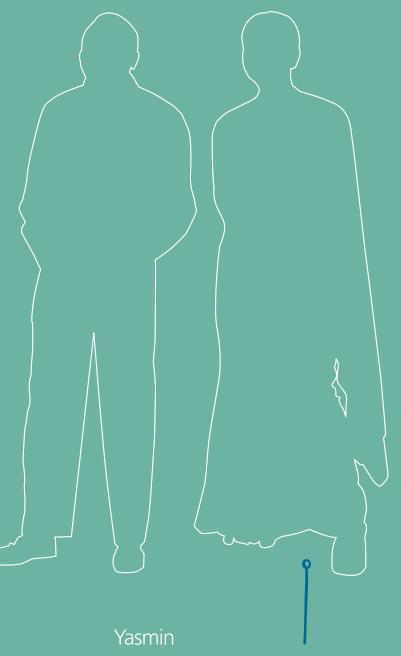


Researchers and academics

GG We are helping to research what the impacts of climate change will be in different parts of the world, so the world's poorest people can best prepare.

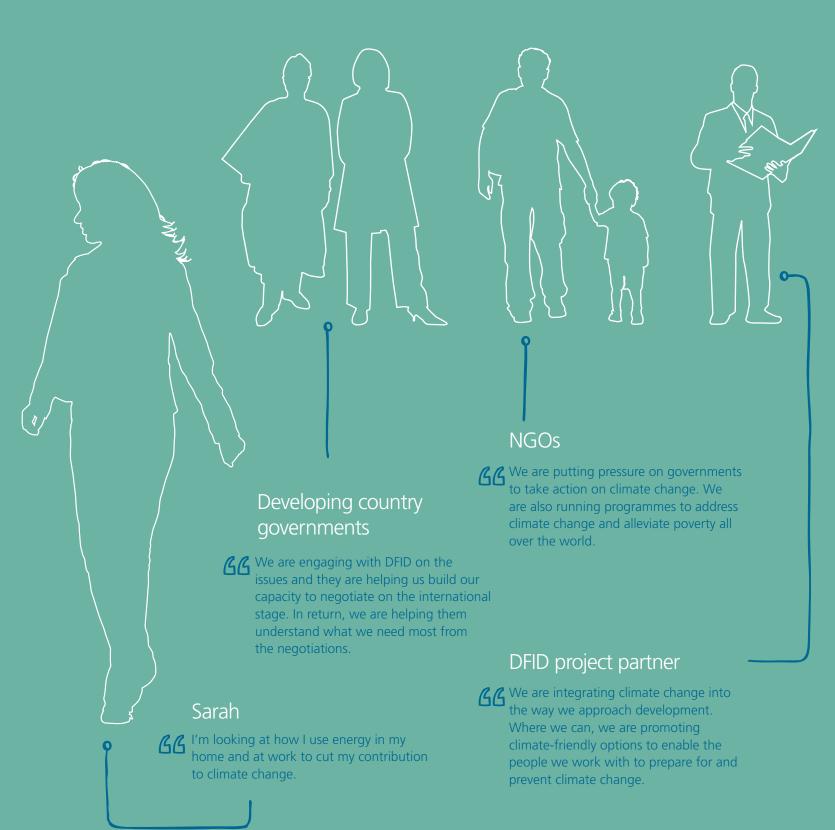
John

偏 I am helping lobby the Kenyan government and international trade bodies to prove that fruit and vegetables grown in Kenya can be more climatefriendly than those grown in the UK.



GG Funding has helped me train as a solar entrepreneur. Not only am I earning a good wage, but I'm also helping my

community to develop in a climatesmart way.



The developing world needs to stop viewing climate change solely as an environmental issue, and begin approaching it as a development concern. Our changing climate is a result of unsustainable development practices. And it is a serious threat to human progress everywhere. Ban Ki-moon, UN Secretary-General

WHY IS CLIMATE-SMART DEVELOPMENT IMPORTANT?



Heavy dependence on fossil fuels poses risks to development because fossil fuels are not only limited in quantity and going up in price, but using them contributes to further global warming which will hinder development.

Developing in a climate-smart way means reducing dependency on fossil fuels and their contributions to climate change. Climate-smart development will help developing countries sustain their growth and secure a route out of poverty.

80%

Developing countries will generate nearly 80% of growth in world energy demand between now and 2020

DFID

16 CLIMATE-SMART

DEVELOPMENT

Degrees of From challenge Tackling climate Who's taking on Why is climate-smart How does preparing How is DFID Impacts of separation for climate change help climate change to opportunity change the challenge? development important? helping people nutshell development? to prevent and prepare for climate change? John believes that money does grow The press coverage of John's lobbying work around food miles has attracted on trees. Deforestation is damaging the environment and hurting his business the attention of a UK fair-trade group. because people believe trees are more With their support, he is trialling valuable as firewood or timber than new efficient solar drying technology John, as forests. With DFID's help, John - where fruit is dried in the sun, Kenya is demonstrating the profitability which preserves it and enables it to of protecting trees. be exported by sea with less damage to the environment. He's also involved in a project planting fast-growing trees for fuel – turning trees into a cash crop, rather than a disposable resource. Prospects are looking up for Yasmin and income, but is also able to help her her family. She's enrolled on a course to local community develop in a climatebe a solar entrepreneur, where she'll be smart way. Yasmin, trained to sell, install and repair home **Bangladesh** With her increased income, Yasmin has solar panel systems. The programme is also invested in a smoke-free cooking funded by carbon offsets from people in stove that uses less charcoal. It has the UK. improved the family's health and helps make their restaurant more attractive Yasmin has not only been able to equip her own restaurant with a reliable to customers. power source for a TV and earn a steady Sarah's concerned about her impact offsets provider. Paying for her excess on the climate (and the impact climate emissions contributes to a project in Bangladesh that trains poor women as change is having on her wallet). To save money, and carbon, she's decided to solar entrepreneurs. Sarah, UK cycle to work instead of driving. She's Sarah has also read John's story in the also considering taking the train to papers, about how farming for export France for her holiday, rather than flying To find out how to be more climate-

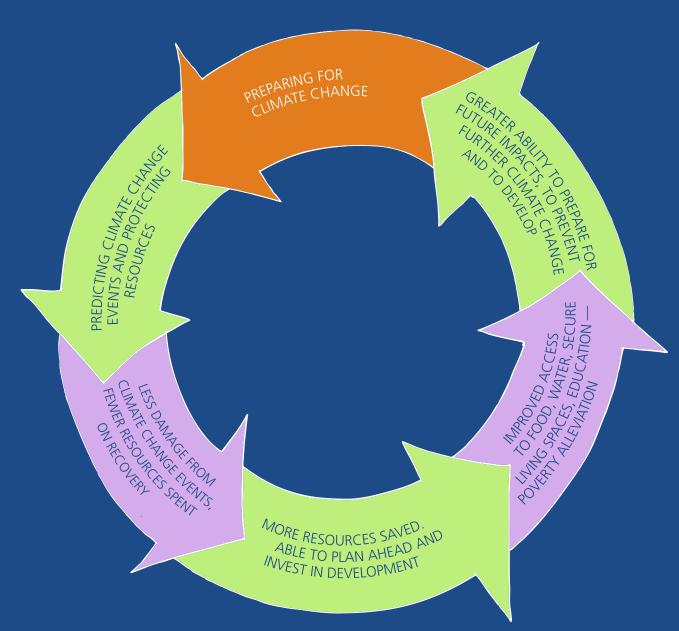
I believe that mankind has all the necessary skills, resources and ingenuity to tackle climate change effectively.

HRH The Prince of Wales

smart she has calculated her carbon footprint using the Act on CO₂ calculator*, and is now making changes to how she uses energy around the home and in the office. What she can't cut, she offsets through a certified

Sarah has also read John's story in the papers, about how farming for export sustains communities in poor countries, and how Kenyan vegetables are often grown in a more climate-smart way than those grown in the UK. She's decided to keep buying vegetables grown in Kenya, and looks out for the fairtrade label when she's doing her weekly shop.

* http://actonco2.direct.gov.uk



Preparing for climate change is fundamental to allowing the most vulnerable people to cope with the inevitable effects of climate change.

Unless they can prepare for and protect against these impacts, they will not be able to lift themselves out of poverty.

66%

Small national economies are often hit the hardest – Antigua lost the equivalent of 66% of its GDP to Hurricane Luis in 1995

Disaster risk reduction: a development concern, DFID



PREPARING FOR **CLIMATE CHANGE**

John,

Kenya

Degrees of Impacts of From challenge Tackling climate Who's taking on Why is climate-smart How does preparing How is DFID for climate change help separation development important? helping people climate change to opportunity change the challenge? nutshell development? to prevent and prepare for climate change? **GG** So many of us live on the margins that the smallest difference in



20

To prepare for the increasingly extreme weather that threatens his business, John is helping his producers develop more drought-resilient crop strains. He's also working with them to develop ways of capturing, storing and reusing rainwater which can be used to irrigate their crops during the dry spells.

To cope with more frequent power cuts in Nairobi, John has bought a solar panel system from a local company that offers good credit terms. This gives him a back-up power supply to keep his company online at all times.

Yasmin, **Bangladesh**

Yasmin's looking to protect herself

from the more regular flooding. She has

joined a local women's group who plant

along the river, which acts as a barrier to

the flood waters. The women's group is supported by the charity in the UK that

Sarah gives money to.

and maintain trees to form a greenbelt

She's found that being protected against the flooding means she doesn't have to spend all her earnings repairing the damage. Instead she has saved the income she gets from her restaurant to send her children to school.

Sarah, UK

Sarah's experience of the Tewkesbury floods has made her conscious of the need to protect her home from the

risk of flood water. She's looking into

replacing her tiled patio with a lawn to

gutters and drains are clear of leaves. She

absorb the water, and makes sure her

also keeps a close eye on the weather forecast! She is part of a local action

Seyoum Mesfin,

Foreign Minister, Ethiopia

climate can mean the difference

between sufficiency and famine,

survival and death.

group that is drawing up a flood action plan, and raising funds to strengthen flood defences along the river.

With a sharp rise in the number of flood-related claims, Sarah's also working with the insurance industry to establish how best to cope with these.

HOW IS DFID HELPING PEOPLE TO PREVENT AND PREPARE FOR **CLIMATE CHANGE?**

These are just some of the many projects that DFID is working on around the world.



NEW LIVELIHOODS

The £50 million Chars Livelihoods In 2007, thanks to the Programme is working with some of the poorest and most climatevulnerable people in Bangladesh. They live on islands in the River Jamuna, and have to cope with annual floods, which are already becoming more frequent and more severe.

Programme, over 1 million people were able to save themselves and their homes and livestock from being washed away, as their homesteads had been raised above the flood line on 'plinths'.

The number of times Jahan Ara's house was washed away before she was supported by the Chars **Livelihoods Programme**

A BRIGHT FUTURE

Programmes, run by The National a Women's Association to introduce solar-powered lighting to remote villages. Illiterate women are trained to make and which has had a range of

benefits. These include children being able to study in the evenings, village women making brooms in the evenings and removing the danger of All these contribute to the development of the villages in

£110m

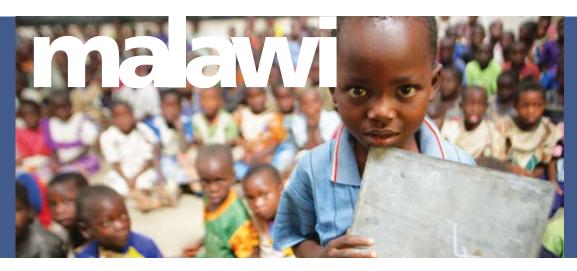
The amount invested in **DFID's Rural Livelihoods** Programmes that support people-focused approaches, in partnership with government programmes



0.6

Malawi greenhouse gas emissions: 0.6 tonnes per person, per year.

UK emissions: 11 tonnes per person, per year.



TAKING ACTION

Every year Thangadzi-1 Primary School is flooded by a nearby river. The school cannot afford to repair the building.

Since the early 1990s Malawi has experienced a food crisis caused by erratic rains and regular floods, which has hampered

communities' capacities to recover between one disaster and the next. Many are becoming poorer and more vulnerable to climate change.

DFID is now supporting the charity Action Aid to help the school. Children are preparing

for future floods, with first aid training and evacuation planning, by planting trees as a barrier and, by learning new farming practices to adapt to the changing rain patterns.

FOREST MANAGEMENT

group that has support from

wood each year. This carbon could be worth between US\$18-



£19m

The amount DFID has state forests to communities, which have been supported to sustainably manage these forests and share the benefits equitably





DFID, the Department for International Development: leading the British Government's fight against world poverty.

WHAT IS DEVELOPMENT?

International development is about helping people fight poverty.

This means people in rich and poor countries working together to settle conflicts, increase opportunities for trade, tackle climate change, improve people's health and their chance to get an education.

It means helping governments in developing countries put their own plans into action. It means agreeing debt relief, working with international institutions that co-ordinate support, and working with non-governmental organisations (NGOs) and charities to give communities a chance to find their own ways out of poverty.

WHY IS THE UK GOVERNMENT INVOLVED?

Getting rid of poverty will make for a better world for everybody.

Nearly a billion people, one in six of the world's population, live in extreme poverty. This means they live on less than \$1 a day. Ten million children die before their fifth birthday, most of them from preventable diseases. More than 113 million children in developing countries do not go to school.

In a world of growing wealth, such levels of human suffering and wasted potential are not only morally wrong, they are also against our own interests.

We are closer to people in developing countries than ever before. We trade more and more with people in poor countries, and many of the problems which affect us – conflict, international crime, refugees, the trade in illegal drugs and the spread of diseases – are caused or made worse by poverty in developing countries.

In the last 10 years, Britain has more than trebled its spending on aid to nearly £5 billion a year. We are now the fourth largest donor in the world.

WHAT IS DFID?

DFID, the Department for International
Development, is the part of the UK Government
that manages Britain's aid to poor countries and
works to get rid of extreme poverty.

We work towards achieving the Millennium Development Goals – a set of targets agreed by the United Countries to halve global poverty by 2015.

DFID works in partnership with governments, civil society, the private sector and others. It also works with multilateral institutions, including the World Bank, United Countries agencies and the European Commission.

DFID works directly in over 150 countries worldwide. Its headquarters are in London and East Kilbride, near Glasgow.

For more information go to www.dfid.gov.uk

ACT ON CO,

To calculate your carbon footprint and find out how you can make some simple changes to tackle climate change, have a look at http://actonco2.direct.gov.uk.



