NO to CO\textsubscript{2}lonialism!

This guide can be downloaded at: http://www.earthpeoples.org/CLIMATE CHANGE/Indigenous Peoples Guide-E.pdf

Indigenous Peoples' Guide
FALSE SOLUTIONS TO CLIMATE CHANGE

DON'T BE FOOLED!
Our planet is heating up at an alarming rate, threatening our very survival. What needs to be done is simple: The pollution and destruction of Earth must be stopped immediately. But instead, there is a lot of greed, false solutions and lies about how to save our future. It seems that leaders of the world are more concerned about making money than solving the climate crisis.

You have in your hands a quick guide to the truth about false solutions to climate change. These market-based scams allow polluters to avoid reducing their pollution, continue to destroy nature and make millions while they are at it. The United Nations, the World Bank, industry, multinationals, governments and even some NGOs promote this climate fraud. Could it be that crimes against humanity and the planet are being committed and nobody knows?

**But what does all this have to do with Indigenous Peoples?**

Unfortunately, most of these false solutions are violating not only the law of nature but also Indigenous Peoples’ rights. Many of these so-called “solutions” to Climate Change are grabbing our land and devastating our territories. Indigenous Peoples need to know what’s going on so that we can fight back.

*Capitalism is in deep crisis, but it still has a green card to play. Rather than taking effective action against climate change - which would mean a radical reduction of industrialized countries’ emissions and questioning the forced growth of the capitalist system itself – they are reaping mega profits from biofuels and carbon trading. These market mechanisms and techno fixes will be a disaster for the poor, and will result in a new form of colonialism. They are already privatizing the atmosphere and subsidizing enormous corporate land grabs of peoples’ lands and forests in the Global South. Instead of business as usual, emissions must be drastically reduced, which means that fossil fuels must stay in the ground.* Oliver Demarce,us, Youth Climate Advocate

### Three Types of False Solutions:

#### THE CARBON MARKET

Making Money from Privatizing the Air - Buying and selling permits to pollute

**Clean Development Mechanism – CO₂lonialism**
North buys permits to pollute from projects in the South

**REDD – CO₂lonialism of Forests**
Uses forests and plantations to generate permits to pollute

#### DIRTY ‘CLEAN’ ENERGY

What got us into this mess in the first place

**Nuclear Energy – Radioactive Nightmare**

**More Fossil Fuels:** “Clean” Coal
Natural Gas
Hydrogen

**Big Dams – Choke the Rivers & Release Emissions**

**Agrofuels – Feed Cars Not People**

#### PLAYING GOD

Real World Science Fiction - Privatizing and Perverting Life

**Geo-Engineering – Weather Control Freaks:**
Ocean Fertilization, Ocean Pumps, Carbon Capture & Storage, Biochar

**Mad Scientists:**
GMOS
Synthetic Biology
Extremophiles

### ANNEX

**Tree Talk: The UN Thinks GMO tree plantations are forests**

**UN Carbon Market Projects violate Indigenous Rights**

**Indigenous Peoples protest the UNPFII Climate Change Report**

**A Decade of Indigenous Peoples’ Opposition to the Carbon Market Keeping it Real – True Solutions to Climate Change**
SUMMARY of the Three False Solutions:

The Carbon Market buys and sells permits to pollute called “carbon credits”. It claims to solve the climate crisis but really just allows polluters to buy their way out of reducing their emissions. This multibillion-dollar pollution trading mechanism privatizes the air and commodifies the atmosphere. The International Indigenous Peoples’ Forum on Climate Change opposes the carbon market. “We cannot condone activities that defile the sacredness of Mother Earth…Carbon trade-induced conflicts...endanger our survival…”

Northern polluters can also get permits to pollute through projects in the South like a dam or a tree plantation under the Clean Development Mechanism (CDM). The International Indigenous Peoples’ Forum on Climate Change calls the CDM “a new form of colonialism.” Permits to pollute could also soon be generated by promising not to cut down forests and plantations that absorb pollution. This is called Reducing Emissions from Deforestation and Degradation (REDD). The International Indigenous Peoples’ Forum on Climate Change says “REDD will not benefit Indigenous Peoples, but in fact, will result in more violations of Indigenous Peoples’ Rights…Under REDD, States and Carbon Traders will take more control over our forests.”

Dirty “Clean” Energy (Nuclear Energy, “Clean” Coal, Natural Gas, Dams, Agrofuels and Hydrogen) - What got us into this mess in the first place is certainly not what’s going to get us out! Fossil fuels and other energy sources that cause environmental devastation and violate human rights are being green-washed, labeled “clean” and wrongly called solutions to climate change. Indigenous Peoples worldwide have suffered from nuclear energy and nuclear testing, fossil fuel extraction, big dams and plantations. Now comes more destruction in the name of saving the climate.

Playing God - Let’s dump tons of iron filings in the ocean, spray the stratosphere with banned sulfates, genetically modify trees and wrap the deserts in white plastic! Is that a way to save your children’s future? Crazy schemes that sound like comic book science fiction are being implemented to sell permits to pollute and to try to modify the weather. Needless to say, these climate change mitigation strategies corrupt the sacred.

“Some of the biggest threats to indigenous peoples are the efforts to stop global warming”

THE CARBON MARKET
Making Money from Privatizing the Air

FALSE SOLUTION CARBON MARKET
includes:
- Carbon Trading
- Carbon Offsets
- Emissions Trading
- Cap and Trade
- United Nations Kyoto Protocol
- Voluntary Market
- Clean Development Mechanism (CDM)
- REDD

WHAT IS IT?
The Climate Fraud and Cover-up
- Buys and sells permits to pollute
- Claims to solve the climate crisis but really just allows polluters to buy their way out of reducing their emissions
- Trades “carbon credits” = permits to emit carbon dioxide (CO₂), a gas that causes global warming
- Makes money from the climate crisis
- Commodifies the Atmosphere & Privatizes the Air
- Business as Usual = hides that destructive production and consumption patterns are not changing

IMPLEMENTED OR NOT?
Yes. Carbon credits are traded between states, companies or individuals on exchanges in London, New York and Chicago and through the United Nations

WHY IS THIS A DISASTER FOR THE ENVIRONMENT?
Pretends to be a solution but is not. All False Solutions increase climate change & global warming because they allow polluters to avoid cutting their emissions at source and to keep polluting.2

- Fossil fuels continue to be burned
- Greenhouse gas emissions increase
- Makes money instead of cutting emissions
- Pushes the Amazon, Arctic and Antarctic to their “tipping point” = collapse from which they cannot recover2

PROBLEMS FOR INDIGENOUS PEOPLES
Indigenous Peoples are on the front lines of climate change.

The Carbon Market and other False Solutions:
- do not reduce emissions
- intensify climate change and cause conflicts thus threatening the survival of many of our peoples
- Destroy the future
- Violate the principle of the Seventh Generation
- Violate our birthright to life and a clean environment
- Corrupt the Sacred
- Hinder Mother Earth’s efforts to heal herself
- Violate UN Declaration on the Rights of Indigenous Peoples

HEAR THIS
International Indigenous Peoples’ Forum on Climate Change: “We oppose the development of the carbon market… Carbon trade-induced conflicts endanger our survival.”4
The Wall Street Journal: Carbon trading makes “money for some very large corporations, but don’t believe for a minute that this charade [will] do much about global warming.”5
Financial Times: Carbon trading and offsets are merely a “carbon smokescreen.”6
European Commissioner for Energy: ‘A failure.’7

MORE INFO
Carbon Trade Watch: www.carbontradewatch.org
Indigenous Environmental Network: http://www.ienearth.org/carbontrading.html
Sommerfilms VIDEOS: Indigenous Elders from the North “Carbon Trading not Ethical”: http://www.youtube.com/watch?v=VwAs3wOLo
Indigenous Peoples “2nd MAY REVOLT” at the UN PFII: http://www.youtube.com/watch?v=Ur0wV6yB7

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4 Society for Threatened Peopless International
6 Financial Times, April 23, 2007 www.financialtimes.net
7 Channel 4 www.channel4.com/news/articles/society/environment/eu+climate+change+plants+a+a+failure/281657

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3 Director of NASA as quoted in The Guardian: http://www.guardian.co.uk/environment/2008/jun/23/climatechange.carbonemissions
Indigenous Peoples are not only suffering from climate change but also from climate change mitigation strategies. Some CDM projects have resulted in:

- Armed conflict
- Forced relocation
- Servitude
- Repression
- Human rights violations
- Loss of land and territory
- Loss of cultural identity
- Violation of the right to free, prior and informed consent
- Violations of the UN Declaration on the Rights of Indigenous Peoples especially Articles 10, 26, 27, 28, 29, 30, 32

**PROBLEMS FOR INDIGENOUS PEOPLES**

**Clean Development Mechanism (CDM)**

**WHAT IS IT?**

- Created under the United Nations Kyoto Protocol
- Oaims to compensate for pollution in the North with projects in the Global South that generate carbon credits
- CDM projects include tree plantations, large dams, destroying laughing gas and reducing cow and pig farts (no joke); very few on renewable energy; most have no effect on fossil fuel use
- Outsourced pollution reduction of rich countries to poor countries
- Pollution Shell Game
- A North-South Carbon Offset

**IMPLEMENTED OR NOT?**

Yes, under the Kyoto Protocol. There are over 4000 projects in the CDM pipeline. 10

**WHY IS THIS A DISASTER FOR THE ENVIRONMENT?**

Many CDM projects:

- Destroy biodiversity
- Pollute
- Release Emissions
- Dam rivers
- Flood ecosystems
- Promote industrial monoculture tree plantations
- Do no reduce fossil fuel use

**MORE INFO**

- In Panama, the Kuna, Embera, Ngöbe Bugle and Naso Peoples oppose carbon market projects and CDM dams and suffer. “...Dams and associated development have already caused armed conflict” See Inter-American Human Rights Commission Petition 13
- Climate of Terror: Since 1998, more than 200 Indigenous Wayúu have been assassinated to clear their territory for 8 mega-projects including World Bank-funded CDM project, the Lepachí Wind Farm in Colombia 14
- Displaced Pygmy Batwa People suffer Servitude on World Bank-funded Tree Plantation 15
- See CDM chart in this brochure: Snapshots of CO(J)onialism

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8 See Landmark Case Study on Carbon Colonialism in Uganda; Norwatch www.norwatch.no/download-document/19-cojonalism.html
10 UNEP - CDM Project Pipeline www.cdmtoolbox.org
11 STPF - Indigenous Peoples’ Decade Long Struggle against the Carbon Market http://earthpeoples.org/blog/?p=278
12 Newsweek www.greenpeace.org/faketeorama.html
13 IAHRC www.internationalrivers.org/eb拉丁-america/panama/aharc-petition-ng obe-indigenous-peoples
15 International Alliance www.international-alliance.org/documents/Climate%20Change%20-%20CDM.pdf (p.57-58)
**Why is this a disaster for the environment?**

The United Nations defines forests in such a way that it includes plantations.

- Monoculture tree plantations that were created by destroying biodiversity, clear-cutting or burning forests could be eligible for REDD money. Large monoculture tree plantations cause environmental and social devastation.
- The United Nations accepts the use of **GMO trees** in plantations Criminalize indigenous agriculture and lifestyles for carbon credits

**Problems for Indigenous Peoples**

Most of world’s forests are on Indigenous Peoples’ land. REDD could result in:

- **Massive land grabs** in the name of saving the climate
- Violations of the UN Declaration on the Rights of Indigenous Peoples especially Articles 10, 26, 27, 28, 29, 30, 32
- United Nations admits REDD could:
  - Violate Indigenous Peoples’ rights
  - Result in the loss of access to land
  - “Marginalize the landless”

**Hear this**

*International Indigenous Peoples’ Forum on Climate Change: “REDD will not benefit Indigenous Peoples, but in fact, it will result in more violations of Indigenous Peoples’ Rights. It will increase the violation of our Human Rights, our rights to our lands, territories and resources, steal our land, cause forced evictions, prevent access and threaten indigenous agriculture practices, destroy biodiversity and culture diversity and cause social conflicts. Under REDD, States and Carbon Traders will take more control over our forests.”*

**REDD Myths Exposed:** REDD could unleash a devastating wave of further forest loss, land grabbing, corruption, cultural destruction and conflict. Indigenous Peoples “risk displacement, violence and lost of livelihoods.”

**More info**

- **UN admits REDD program threatens Indigenous Peoples**
- **World Bank REDD would Reward Forest Destoryers**
  [www.REDD-Monitor.org](http://www.REDD-Monitor.org)
- **REDD Brochure** (Portuguese, Spanish, English): “Human Rights & Environmental Disaster” [www.earthpeoples.org/blog](http://www.earthpeoples.org/blog)

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18 REDD-Monitor World Bank REDD “Poster Child would Reward Forest Destroyers” [www.redd-monitor.org](http://www.redd-monitor.org)

19 FAO - See page UN definition of forest allows plantations since it does not mention biodiversity [www.fao.org/docrep/004/T1997e/T1997e00.htm](http://www.fao.org/docrep/004/T1997e/T1997e00.htm)


22 Policy Brief www.povertyenvironment.net/?q=content/download/1874/PEP-REDD-policy-brief-01-08.pdf


DIRTY “CLEAN” ENERGY
What got us into this mess in the first place

FALSE SOLUTION
NUCLEAR ENERGY

Radioactive Nightmare
Nuclear energy is released by the splitting (fission) or merging together (fusion) of the nuclei of atom(s).24
- Emits less CO2 but causes cancer
- Currently 400 nuclear reactors in the world; proposed increase to 17,000 to “combat climate change”

WHY IS THIS A DISASTER FOR THE ENVIRONMENT?
Nuclear energy increases nuclear weapon proliferation, the arms race and nuclear bomb testing.
- More Nuclear Accidents & Meltdowns like Chernobyl & Three Mile Island
- Lethal Nuclear Waste for 100,000 years
- Radioactive contamination of people, land, water & crops
- Irresolvable problem of radioactive waste, storage & transportation
- Unsafe sites of reactors and waste storage i.e. faults prone to earthquakes

PROBLEMS FOR INDIGENOUS PEOPLES
Indigenous Peoples have suffered the most from nuclear bomb testing, uranium mining, radioactive waste dumps and have even been subjected to experiments with radioactive material without their informed consent.25
- 700 nuclear bomb tests detonated on Western Shoshone territory
- 70% of uranium mines are on Indigenous land26
- Death, cancer, birth defects & radiation sickness
- Violates our birthright to a healthy life and a clean environment
- Corrupts the Sacred & Disrupts the Balance
- Violates UN Declaration on the Rights of Indigenous Peoples

HEAR THIS
The Jakarta Post:
“Nuclear power is a false solution to climate change”27

TRUE SOLUTION
MORE FOSSIL FUELS

“Clean” Coal – Greenwash the Biggest Contributor to Global Warming

WHAT IS IT?
- A fossil fuel
- Coal: largest contributor to global warming
- Largest source of CO2
- Pollutes more than oil, natural gas & gasoline
- “Clean” Coal:
  - Gasifies coal & burns gas
  - Installs filters on chimney

Indigenous Peoples
- Emissions less sulfur than “unclean” coal but same amount of CO2 & mercury
- Air Pollution & smog
- Mercury Poisoning
- Acid Rain
- Destabilizes ecosystems
- Strip Mining
- Mountain-top removal
- Toxic Waste & Spills
- Wastes Water

Environment
- Displacement
- Death from pollution - Coal-fired power plants lead to 24,000 deaths in US
- Asthma, heart disease, emphysema, lung cancer, mercury poisoning, childhood leukemia
- Rips the liver out of Mother Earth

Natural Gas – Methane is Ten Times Worse for the Climate than CO2
- A fossil fuel
- Mostly methane
- Most often found in oilfields, coal beds, natural gas fields & landfills
- Devastation of fossil fuel exploitation
- Methane is a 10 times more potent greenhouse gas than CO2
- When burned, emits CO2 emissions (less than coal or oil)
- When drilled, the CO2 pumped out is released into the atmosphere
- Explosions
- Some problems as fossil fuel exploitation and exploitation
- Natural gas flares are part of genocide against Ogoni People in Niger River Delta
- Some Gas Flares have burned for more than 30 years22
- Oil is the blood of Mother Earth

Hydrogen – Dirty, Expensive and Inefficient (in experimental phase)
- Hydrogen is separated by “refining” natural gas, a fossil fuel or extracting it from agricultural or water
- Hydrogen is stored in fuel cells
- It takes 3,000 times more storage space than gasoline
- Mostly from fossil fuels
- Hydrogen might not be energy to extract & deliver than it actually supplies
- Dangerous to store & transport
- Hydrogen gas is invisible – even when it is on fire
- Some problems as fossil fuel exploration and exploitation23
- Loss of Land
- Threatens Cultural Survival
- Human Rights Violations
- In the US, “5% of hydrogen is produced from natural gas, a fossil fuel”24
- A hydrogen car costs $1 million
- To extract hydrogen from water wastes 4 times the amount of electricity than what the hydrogen yields

26 Miran Nation Opposes Jabuka Uranium Mine: www.miran.net
27 Fact Sheet on Indigenous Peoples and Nuclear Energy www.reachingcriticalmass.org/technical/factsheets/indigenous.html
29 Indigenous Peoples displaced by world’s largest coal mine www.columbiajournal.org/columbia_coal.htm
32 Coop America www.coopamerica.org/programs/climate/dirtenergy/coal/whynotty.cfm
36 Oshuttle www.oshuttle.org
37 Enervice Justice www.enervicjustice.net
What is it?

**Choke Rivers and Release Emissions**
- Gain to reduce emissions but are actually **Sources of Emissions** because CO₂ and methane are released when organic material in reservoirs rots and when water goes through turbines and travels downstream; especially in hot climates

Why is this a disaster for the environment?
- 50,000 large dams choke more than half of the world's major rivers.
- So much water is dammed that it has **changed the axis of the planet.**
- **Source of Emissions**
- 25% of human-caused methane emissions are from dams
- **Destroys Biodiversity**
- Destroys freshwater systems

Problems for Indigenous Peoples

- Indigenous Peoples throughout the world struggle against large hydroelectric projects because they often cause:
  - **Displacement and Forced Relocation**
  - **Loss of land and flooding of territory**
  - Violence including massacres and armed conflict**
  - **Loss of livelihood**, food & income
  - **Loss of sacred places** & cultural identity
  - **Human rights violations including violations of UNDRPs**

International Herald Tribune & Associated Press:

**“The climate does not gain, but loses.” 444 Mayans were massacred by the military for resisting construction of the Chiajo Dam. Guatemala, 1982.**

www.internationalrivers.org/featured/444/461
- *International Rivers Network* www.internationalrivers.org
- *Latin American Network against Dams* www.redlar.org

False Solution

**Big Dams**

False Solution

**Agrofuels or Biofuels**

What is it?

- **Feeds Cars not People**
  - Makes ethanol or diesel **from food** crops, plants, GMOs and trees
  - "First generation agrofuels" are made from plants (like corn, soy, sugar, and switchgrass)
  - "Second generation agrofuels" are made from trees (wood or cellulose)

Implemented or not?

- Yes, for first generation agrofuels. Second generation agrofuels are still in the experimental phase.

Why is this a disaster for the environment?

- Promotes massive monoculture **plantations**.
- Plantations are a leading driver of deforestation and destroy biodiversity.
  - **More emissions than fossil fuels**
  - **Agro-toxins** contaminate water and deplete soil
  - **GMOs** are used
  - **Wastes Water**

Problems for

- Plantations are notorious for causing human rights abuses.
- Agrofuel plantations have resulted in:
  - **Forced relocation**
  - **Slave Labor in Brazil**
  - **Social Conflicts and violence**
  - **Less land for food crops, higher food prices**, hunger, less food relief for starving
  - Violations of the UN Declaration on the Rights of Indigenous Peoples
  - If wood-based agrofuels are commercialized, these abuses will increase.

International Independent Forum on Biodiversity:

- "We reject genetically modified seeds, biofuels, marine fertilization experiments, monoculture tree plantations & other climate change mitigation and adaptation models because they destroy our lands, territories and resources and cause the displacement & forced relocation of our peoples."

The New York Times:

- *Biofuels deemed a Greenhouse Threat* 45
- **Friends of the Earth**
- Sustainability certification is a sham 46

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38 Inter-American Human Rights Commission Petition: "... dams and associated development have already caused armed conflict”
41 It takes 1000 gallons of water to produce 4 cups of sugar cane ethanol http://aquabiology.com/archives/category/biofuels
46 Friends of the Earth Sustainability certification is a sham
### FALSE SOLUTION: GEO-ENGINEERING

#### Geo-Engineering – Weather Control Freaks

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<th>WHAT IS IT?</th>
<th>Is this really happening?</th>
<th>Environment</th>
<th>Indigenous Peoples</th>
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| **Compresses CO₂ and tries to store it in the sea bed, empty aquifers, mines, drill sites, caves and peridote mantle rock** | **Nobel Laureate predicts 500,000 deaths from increased particulate pollution if sulfate aerosols used** | Experimental phase | **Institute of Science in Society: “CCS is certainly not a solution for mitigating climate change.”**
| | | | **• New toxic waste dumps underground**
| | | | **• Threat of leakage and escape of CO₂, hazardous gases, toxic metals & contamination of soil, water, sea**
| | | | **• Other environmental impacts unknown**

#### Ocean Fertilization – Poison the Sea

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| **Generates carbon credits by dumping tons of iron filings or urea (piss) into the ocean to promote algae blooms that supposedly absorb CO₂ and eventually sink to the bottom of the ocean** | **Alters acidity of the ocean** | Experimental phase | **Institute of Science in Society: “...there are no long-term experiments to suggest that biochar actually sequesters any carbon in the ground or that it makes soil more fertile.”**
| | **Could increase red tides** | | **BEST Energies**
| | **Could increase ocean “dead zones”** | **We are well positioned to win the current land grab in next-generation fuels** | **Chair of Board**
| | **Unknown impacts on marine ecosystems, fish and mammals as well as fishing and coasts** | **Could result in: Forced Relocation and Displacement** | **International Biochar Initiative:”...there are no long-term experiments to suggest that biochar actually sequesters any carbon in the ground or that it makes soil more fertile.”**
| | | | **Loss of land, livelihood & culture**
| | | | **Human rights abuses**
| | | | **Favors plantation, forestry and “bio-energy” companies**

#### Ocean Pumps - Vacuum the Ocean

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<th>Is this really happening?</th>
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| **Generates carbon credits by tethering 100 million vertical pipes across the ocean to pump nutrient rich water to the surface** | **Nutrient-rich water from the sea’s depths are also CO₂-rich and could result in emissions** | Experimental phase | **Global Civil Society Opposes Charred Earth Policy**
| | **Its chief proponent admits that it could make matters worse. “...CO₂ is released into the atmosphere”** | | **http://www.etcg.org/en/materials/publications.html?pid_id=735**
| | **Indigenous Peoples who depend on the ocean for their livelihood could be very adversely impacted** | | **• Primer on Geo-Engineering www.etcg.org/en/materials/publications.html?pid_id=608**

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67 Paul Cawten as quoted in “Hoodwinked in the Hothouse” www.risingtidenorthamerica.org/special/lsbooklet.pdf
70 New Scientist www.newsscientist.com/article/din12698
71 Institute of Science in Society http://www.iss.org.uk/CSAFalseSolution.php
72 Biochar is “a very dangerous false solution”. Its promoters blatantly disregard the human rights abuses that are occurring as a result of global expanded demand for biomass.” www.globalcitizennewsbox.org/stories.ine/1159
FALSE SOLUTION: MAD SCIENTISTS

GMOs – Pervert, Privatize & Patent Life

WHAT IS IT?
- Perverts & Privatizes genetic material
- GMO = Genetically Modified Organisms = Genetically Engineered
- Alters the genetic material of living beings in ways that could not happen in nature.
- Some GMOs are created by transferring genetic material from one species to another (i.e. inserting fish genes in strawberries).51
- Commodifies & Patents Life

Is this really happening?
- Yes

Environment
- Threats to food, agriculture & environment
- GMO contamination i.e. GMO corn contamination in Mexico, the center of origin or “birthplace” of this sacred grain52
- Kills other species (i.e. monarch butterflies killed by GMO corn pollen)53
- Impacts of GMO on humans not well known

Indigenous Peoples
- Biocolonialism:
  - Biopiracy, bioprospecting, patenting & perverting genetic resources of Indigenous Peoples including biodiversity
  - Corrupts Sacred
  - Indigenous Peoples Council on Biocolonialism52
- Rayan Traditional Doctors and Midwives kick UZ biopirates out of Chiapas 58

GMO Seeds – Frankensteins Seeds aka “Climate Ready” Crops

WHAT IS IT?
- Perverts & Privatizes Seeds
- Claims to deal with climate change by genetically engineering seeds to be resilient to extreme environmental conditions, drought, flood, etc.
- Increases corporate power of seed companies like Monsanto
- “Terminator” Technology®= Seeds that are genetically made to be sterile could be applied to “climate ready” crops

Is this really happening?
- Yes

Environment
- Privatizing stress-resistance in crops could restrict farmers trying to adapt their crops locally to changing conditions thus causing crop failure & hunger
- Other threats to food, agriculture and the environment including GMO contamination

International Indian Forum on Biodiversity (IIFB)
- We also call for the termination of terminator and genetic modification technologies. We urge Parties and international organizations… to outlaw the patenting of knowledge and seeds. 52
- Corrupts Sacredness of Seeds and Food

Synthetic Biology – Land Grab for Fake Oil

WHAT IS IT?
- Privatizes & Patents microorganisms
- Claims to harness power generated by micro-organisms found in extreme environments such as volcanoes and hot sulfur vents on the ocean floor65
- Experimental phase, Bioprospecting in process
- Potential impacts unknown
- More bioprospecting & patenting
- Potential impacts unknown

Is this really happening?
- Yes

Environment
- Does engineered bacteria to ferment plant-sugars to make petroleum, pharmaceuticals and plastics
- Patents synthetic life

Synthetic Biology
- Could create a colossal demand for plant-based sugars leading to an unprecedented plant-grab (and land-grab)
- Could repeat the debacle of first-generation agrofuels and worsen the climate and water crisis by intensifying industrial agriculture

Synthetic Biology
- Could
- Endanger livelihoods and human rights
- Drive up food prices
- Displace small farmers and indigenous peoples
- Increase commodification of life
- Make a mockery of biosafety

GMO Trees – Frankensteins Trees aka “Second Generation Agrofuels”

WHAT IS IT?
- Perverts & Privatizes Trees
- Claims to deal with climate change by genetically engineering trees for agricultural productivity (perhaps soon for carbon sequestration)
- Claims to genetically engineer trees for a variety of traits including faster growth, cold tolerance, less lignin to and manufacture wood-based agrifuels
- When the carbon market uses GMO trees, Privatization of the SiX intersects with Privatization of Life

Is this really happening?
- Yes

Environment
- Field trials in over 15 countries. China commercialized GMO trees, US and Brazil hope to soon.
- IFCLRC accepts the use of GMO trees in plantations for carbon credits
- GMO trees can contaminate native trees over 1,000 kilometers away with highly destructive and unnatural traits (like the ability to kill insects). This impacts the wildlife that depends upon these insects (such as songbirds) in an ever-widening circle of destruction.
- Some GMO trees can contaminate for more than 10 years.
- Could devastate native forest ecosystems globally
- Escape of GMO tree seeds or pollen into the wild, which is considered inevitable if they are commercialized, is irreversible.
- Due to the low-lignin GMO trait, contaminated trees would be useless as shelter or firewood.
- Sterile GMO trees produce no fruit or nuts
- Corrupts Sacredness of Trees IIFB: “We reiterate our call for a moratorium on GMO trees.”62

Coming Soon? Patents on Traditional Knowledge on Climate Change and Adaptation

There is a lot of interest in Indigenous Peoples’ traditional knowledge systems on climate change and adaptation. Efforts to collect this traditional knowledge, put it in databases, patent it and sell it may be afoot. Look sharp!

MORE INFO

WARNING:
GENETICALLY ENGINEERED TREE PLANTATIONS
A FALSE SOLUTION THAT THREATENS FORESTS & FOREST PEOPLES

The United Nations definition of forests comes from the United Nations FAO Forest Resources Assessment of 2000. According to the FAO, a forest consists of tree canopy cover of 10% or more. The trees should be able to reach a minimum height of 5 meters at maturity. There is no mention of biodiversity. This means that a monoculture tree plantation can be considered a forest.

Forest Resource Assessment (FRA) 2000 was the first global forest assessment to use a common definition for all forests worldwide. Previous assessments used a minimum canopy cover threshold of 10 percent for developing countries and 20 percent for industrialized countries to define forests, based in part on past forest inventory practices in the two domains. When the results of FRA 1990 were reviewed, a number of experts suggested that the next global assessment should use a common forest definition for all regions. Following a consensus recommendation of the IPF, it was decided that FRA 2000 would use the 10 percent minimum canopy threshold for all countries. (That is, when observed from above, at least 10 percent of the land area is covered by forest canopy. “Other wooded land” has a canopy cover between 5 and 10 percent).65

Furthermore, in COP9, the UNFCCC decided that genetically modified trees can be used in plantations for carbon credits. Reforestation is planting trees where there were trees previously and afforestation is planting trees where there were no trees previously (usually on grassland). Both reforestation and afforestation can be plantations and do not have to have to include forest ecosystems or biodiversity.

Recognizing that host Parties evaluate, in accordance with their national laws, potential risks associated with the use of genetically modified organisms by afforestation and reforestation project activities and that Parties included in Annex I evaluate, in accordance with their national laws, the use of temporary certified emission reductions and/or long-term certified emission reductions generated from afforestation and reforestation project activities that make use of genetically modified organisms.66

In the REDD decision,67 there is no mention of biodiversity, meaning that any afforestation or reforestation efforts taken under REDD do not have to take into account biodiversity - in other words, REDD “forests” can be genetically modified tree plantations.

65 http://www.fao.org/docrep/x0004/x0004e02.htm
SNAPSHOTS OF CO₂ LONIALISM:

Carbon Market & UN Clean Development Mechanism Projects violate Indigenous Peoples’ Rights

Human rights violations include: killings, servitude, forced relocation, arbitrary detention, loss of land & territory, loss of income, livelihood and food, destruction of homes & crops, and threats to cultural survival.

Bayano Dam Hydroelectric Expansion & Upgrade Project, Panama

<table>
<thead>
<tr>
<th>Project Status</th>
<th>Environmental Impacts</th>
<th>Problems for Kuna &amp; Embera Peoples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Development Mechanism Project</td>
<td>Dam status: at validation Dam already built</td>
<td>• Forced resocation</td>
</tr>
</tbody>
</table>

Chanquinola Dam Hydroelectric Project (Chan 75), Panama Mesoamerican Biological Corridor, La Amistad International Park

<table>
<thead>
<tr>
<th>Project Status</th>
<th>Environmental Impacts</th>
<th>Problems for NGOBE BUGLE PEOPLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Development Mechanism Project</td>
<td>Dam status: at validation Dam under construction</td>
<td>• Potential Source of Emissions</td>
</tr>
</tbody>
</table>

Bonyic Dam Hydroelectric Project, Panama

<table>
<thead>
<tr>
<th>Project Status</th>
<th>Environmental Impacts</th>
<th>Problems for NADO PEOPLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Development Mechanism</td>
<td>CDM status: Submission Pending Dam under construction</td>
<td>• Potential Source of Emissions</td>
</tr>
</tbody>
</table>

Jepirachi Wind Power Farm, Colombia

<table>
<thead>
<tr>
<th>Project Status</th>
<th>Environmental Impacts</th>
<th>Problems for WAYÚ PEOPLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Development Mechanism</td>
<td>CDM status: Registered UNFCCC reference number: 0194</td>
<td>• Very few Wayúu communities have electricity</td>
</tr>
</tbody>
</table>

Problems for

- Armed Conflict
- Threatens endangered Indigenous Peoples (There are only approx. 3,000 Naso.)
- Police occupation & harassment
- Traditional political structure & decision-making process not respected
- Community divided by project
- Leaders persecuted, arrested & jaled
- Threatens Cultural Survival
- Will flood 3,500 acres
- Land rights not recognized

Problems for

- Climate of Terror: Since 1933, more than 200 Wayúu have been assassinated to clear Wayúu territory for 8 mega-projects including the World Bank-funded Jepirachi Project.
- Paramilitary groups are active in Wayúu Territory and Wayúu leaders still receive death threats.
- In October 2008, the Mayor of Uribia denounced that “the Kasiwolun community where the wind farm is located still does not have electricity.”
- Much of the energy generated from the wind farm is for El Cerrejo, the world’s largest open-pit coal mine, which has a terrible record of human rights abuses including forced displacement and environmental destruction and it is itself a source of emissions.

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72 See CDM Pipeline www.cdmpipeline.com
74 BONYC http://www.internationalwri.org/node/2401 and www.panda.co.uk/environment/2008/jun1/endangeredhabitats conserve
75 Colombia Journal www.coalcentral.org.co Coal dam Tabasco was bulldozed to expand the mine. Tabasco’s 700 residents were violently evicted. http://thehindu.com/BostonNews/48183-dirty-store-in-back-yard-riveront-ban/83171
77 We refer people to: http://victimaswayu.blogspot.com
80 Mayer CEO Beatriz Redondo Mendoza as quoted in El Informador http://www.elinformador.com/resuquedi.php?id=18990
81 Wayúu News - List of Victims http://victimaswayu.blogspot.com
82 Bonyic Dam - Fuerza de Mujeres Wayúu: Community Workshop to Evaluation of the World Bank’s Operative Policy in the Jepirachi Wind Farm in April 2009 www.victimaswayu.blogspot.com/search?hl=en&safe=off

Indigenous Peoples Protest Carbon Trading at UNPFII

PRESS RELEASE May 3rd, 2008

Indigenous Peoples attending the Permanent Forum are outraged that their rejection of the carbon market has been ignored in the final report of the 7th Session of the United Nations Permanent Forum on Indigenous Issues (PFII). The final report of the PFII hails World Bank funded carbon trading, like the Clean Development Mechanism, as “good examples” of partnership despite the human rights violations and environmental destruction they have caused. “Indigenous Peoples attending the 7th session of the Permanent Forum are profoundly concerned that our key recommendations on climate change are not being taken into account by the Permanent Forum.

“This Permanent Forum was created precisely to recognize, promote, and support the rights of Indigenous Peoples,” says Florencia Lopez, Coordinator of the Indigenous Women’s Biodiversity Network of Abya Yala. Throughout the two weeks of the Permanent Forum, Indigenous community representatives have consistently testified about the injustices associated with the Clean Development Mechanism projects and have asked that the Permanent Forum not promote the projects. However, in the final report of the Permanent Forum adopted today, these injustices have been ignored.

In response, many groups under the name of the Indigenous Caucus of Abya Yala took the floor today to express their concerns. Their statement affirmed that the recommendations of the Permanent Forum do not properly reflect their positions. They used the opportunity to affirm their rejection of carbon trading mechanisms and concerns over specific implementations. Over 30 organizations at the forum called for the final report to include a section outlining their concerns.

In the background paper for this session (Document E/C.19/2008/10), three projects are being upheld to illustrate the “Clean Development Mechanism projects that are being implemented in Indigenous Peoples’ territories with good results.” However, there are grave problems with each of these projects including violations of the rights enshrined in the UN Declaration on the Rights of Indigenous Peoples. For example, the Jaripachi wind power project in Colombia did not get the free, prior, and informed consent of the Wayuu people to build this wind farm in a sacred territory of the Wayuu People. Indigenous Peoples’ organizations contend the assasination of over 200 Wayuu People prior to the implementation of the project was to clear the area for this and other projects. Additionally, most of the energy generated from the wind farm is used to power the Corregio mine, the biggest open air coal mine in the world, which itself is known for numerous human rights violations and environmental damages. Representatives of the Wayuu people who attended the Permanent Forum didn’t even know the project was being promoted as a good example.

In promoting the Clean Development Mechanism projects and carbon trading, the Permanent Forum is allowing oil companies who are the biggest emitters for greenhouse gases, to continue to pollute,” says Tom Goldtooth, Executive Director of the Indigenous Environmental Network. “Promoting the commodification of the air is a corruption of our traditional teachings and violates the original instructions of Indigenous Peoples.”

ANNEX: UN Carbon Market projects violate Indigenous Rights

Ibi-Batéké Carbon Sink Plantation, Democratic Republic of Congo

<table>
<thead>
<tr>
<th>Project Status</th>
<th>Environmental Impacts</th>
<th>Problems for Indigenous Pygmies</th>
</tr>
</thead>
<tbody>
<tr>
<td>World Bank Carbon Finance Unit</td>
<td>· According to the World Bank, more than 4000 hectares of plantation have been completed</td>
<td>· Servitude: Pygmies are “servants” who work for no pay on the plantation</td>
</tr>
<tr>
<td>Clean Development Mechanism Status: Submission Pending</td>
<td>· No proven reduction of emissions</td>
<td>· Manager of project: “this must not be understood…as if it were slavery.” (p.57-58)</td>
</tr>
<tr>
<td></td>
<td>· Replaces savannah with plantation</td>
<td>· Threatens Cultural Survival (p.60)</td>
</tr>
<tr>
<td></td>
<td>· Introduces exotic invasive species</td>
<td>· Loss of Territory (4000-8000 hectares)</td>
</tr>
<tr>
<td></td>
<td>· Increased pressure on forest resources</td>
<td>· Destruction of Sacred Site</td>
</tr>
<tr>
<td></td>
<td>· Plantations are renowned for destroying biodiversity, using agro-toxins, wasting water and depleting soil</td>
<td>· Loss of livelihood, hunting &amp; fishing</td>
</tr>
<tr>
<td></td>
<td></td>
<td>· Malnutrition, Prostitution, Disease</td>
</tr>
</tbody>
</table>

FACE Plantation in Mount Elgon, Uganda

<table>
<thead>
<tr>
<th>Project Status</th>
<th>Environmental Impacts</th>
<th>Problems for Benet People</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implemented by FACE Foundation (The Netherlands) &amp; Uganda Wildlife Authority Engaged organizations: Forest Stewardship Council, Greenpeace Clients of Greenpeace; WWF Netherlands, Amnesty International &amp; The Body Shop</td>
<td>· A plantation of 25,000 hectares of eucalyptus trees in a national park</td>
<td>· “Park rangers killed more than 50 people in 2004.”</td>
</tr>
<tr>
<td></td>
<td>· Monoculture tree plantations:</td>
<td>· Loss of income and livelihood</td>
</tr>
<tr>
<td></td>
<td>· Destroys biodiversity (see section on Agrofuels and Tree Talk in this booklet)</td>
<td>· Loss of access to land &amp; food</td>
</tr>
<tr>
<td></td>
<td></td>
<td>· Court rules in favor of Benet People (2005) vindicating their rights to live on their land and continue to farm</td>
</tr>
</tbody>
</table>

86 Ibid.
84 IndigenouS Environmental Network http://www.misnationsnorthamerica.org/wordpress/2008/05/03/indigenous-seasides-antesi-carbon-trade-at-un/
The Sky is Sacred

**Indigenous Peoples’ Decade Long Struggle Against The Carbon Market**

The following chart is a historic record of the decade long official opposition of the International Indigenous Peoples’ Forum on Climate Change (IIIPCC) against the carbon market. IIIPCC is the Caucus of Indigenous representatives from all regions of the world in the UN Climate Change negotiations under the United Nations Framework Convention on Climate Change (UNFCCC) and the Kyoto Protocol.

### UN Meeting

**International Indigenous Peoples’ Forum on Climate Change**

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Event</th>
<th>Location</th>
<th>Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNFCCC COP6</td>
<td>The Hague, The Netherlands</td>
<td>Lyon, France</td>
<td>“We oppose the development of the carbon market.”</td>
</tr>
<tr>
<td>UNFCCC COP6</td>
<td>The Hague, The Netherlands</td>
<td>Lyon, France</td>
<td>“We cannot condone activities that defile the sacredness of Mother Earth.”</td>
</tr>
<tr>
<td>UNFCCC COP6</td>
<td>The Hague, The Netherlands</td>
<td>Lyon, France</td>
<td>“Our philosophy and cosmovision require us to condemn the inclusion of sinks in the Clean Development Mechanism (CDM). Sinks in the CDM would constitute a worldwide strategy for expropriating our lands, seas and territories and violating our rights that would culminate in a new form of colonialism. Through sinks projects, we would lose our right to manage traditionally our lands and become slaves of the carbon trade. Carbon trade-induced conflicts, such as violence for access to basic resources would endanger our survival as peaceful peoples of the land.”</td>
</tr>
<tr>
<td>UNFCCC COP6</td>
<td>New Delhi, India</td>
<td>New Delhi, India</td>
<td>“…coal and uranium mining, logging, nuclear and large hydroelectric power station and oil and gas extraction…contribute to climate change and the destruction of our territories.”</td>
</tr>
<tr>
<td>UNFCCC COP7</td>
<td>Marrakesh, Morocco</td>
<td>Marrakesh, Morocco</td>
<td>“Indigenous Peoples Condemn Carbon Sinks in the Kyoto Protocol as a New Form of Colonialism and Genocide.”</td>
</tr>
<tr>
<td>UNFCCC COP7</td>
<td>Marrakesh, Morocco</td>
<td>Marrakesh, Morocco</td>
<td>“These negotiations have churned out more than 5 million words of text but do not even mention Indigenous Peoples’ rights.”</td>
</tr>
<tr>
<td>UNFCCC COP7</td>
<td>New Delhi, India</td>
<td>New Delhi, India</td>
<td>“We affirm our previous declarations of the first International Forum of Indigenous Peoples on Climate Change at Lyon, France in September 2000, Declaration of the Second International Indigenous Peoples on Climate Change, The Hague, November 2000, and the Indigenous Peoples’ Statement at Seventh Conference of the Parties at Marrakesh, Kingdom of Morocco, 5th November 2001.”</td>
</tr>
<tr>
<td>UNFCCC COP9</td>
<td>Milan, Italy</td>
<td>Milan, Italy</td>
<td>“Sink projects do not contribute to climate change mitigation or sustainable development. The modalities and procedures under the CDM do not respect and guarantee our right to our lands, territories and self determination.”</td>
</tr>
<tr>
<td>UNFCCC COP10</td>
<td>Buenos Aires, Argentina</td>
<td>Buenos Aires, Argentina</td>
<td>“We are in crisis. We are an accelerating spiral of climate change increasingly getting worse due to the conditions that industry, multinational and governments impose on our communities and the world.”</td>
</tr>
<tr>
<td>UNFCCC COP11</td>
<td>Montreal, Canada</td>
<td>Montreal, Canada</td>
<td>“The modalities and procedures for activities under the Clean Development Mechanism (CDM) do not respect and guarantee our right to lands, territories, and self-determination. CDM and sinks projects do not contribute to climate change mitigation and sustainable development…Indigenous Peoples have experienced systematic and repeated violations by oil, gas, mining and energy industries infringing on our inherent right to protect our traditional lands. We reaffirm previous Indigenous climate declarations.”</td>
</tr>
<tr>
<td>UNFCCC COP12</td>
<td>New Delhi, India</td>
<td>New Delhi, India</td>
<td>“Indigenous Peoples are concerned about the impacts of carbon sinks projects in the Clean Development Mechanism on our lands and communities…projects in indigenous territories must respect our fundamental rights…”</td>
</tr>
<tr>
<td>UNFCCC COP13</td>
<td>Bali, Indonesia</td>
<td>Bali, Indonesia</td>
<td>“We demand that the Conference of Parties…refrain from adaptation and mitigation schemes and projects…that devastate Indigenous Peoples’ lands and territories and cause more human rights violations, like market based mechanisms, carbon trading, agrofuels and especially avoided deforestation (REDD).”</td>
</tr>
<tr>
<td>UNFCCC SBSTA</td>
<td>Statement on REDD</td>
<td>Bali, Indonesia</td>
<td>“REDD [forests in the carbon market] will not benefit Indigenous Peoples, but in fact result in more violations of Indigenous Peoples’ rights. It will increase the violation of our Human Rights, our Rights to our lands, territories and resources, steal our land, cause forced evictions, prevent access and threaten indigenous agricultural practices, destroy biodiversity and cultural diversity and cause social conflicts. Under REDD, States and Carbon Traders will take more control over our forests.”</td>
</tr>
<tr>
<td>UNFCCC COP14</td>
<td>High Level Segment Poznan, Poland</td>
<td>Poznan, Poland</td>
<td>“Stand by our demand for an immediate suspension of all REDD initiatives and carbon market schemes…human rights violations caused by the CDM and other carbon trading and offset regimes…Cut emissions at source — No REDD…The CDM and the carbon market are instruments that commodify the atmosphere…It is not just “carbon” or pollution that is being traded, but people’s lives.”</td>
</tr>
</tbody>
</table>
KEEPING IT REAL
True Solutions to Climate Change

Real Solution: Honor the Earth & the Sky

- Drastically cut emissions at source
- Transition to sustainable models of production, consumption & development
- Promote sustainable family farming, organic farming, perennial pastures
- Promote a paradigm shift
  - Planet and People not Profits
  - Ethical Leadership instead of corruption and thievery
  - Honor the Earth and Sky & Respect the Law of Nature
- Leave fossil fuels in the ground
  - Swiftly phase out fossil fuel exploration & extraction
  - Cut $200 billion/year subsidies to coal & oil
- Promote renewable energy
- Scale down: Promote local sustainable energy solutions
- Reduce, reuse, recycle
- Phase out extractive industries
- Redirect military budgets; stop war; promote peace
- Pay ecological debt and cancel foreign debt to address climate crisis
- Promote peoples’ sovereignty over energy, forests, land and water
- Ensure rights-based resource conservation
- Implement the UN Declaration on the Rights of Indigenous Peoples
- Demarcate and protect Indigenous Peoples’ territories
- Promote food sovereignty and food security
- End deforestation and its underlying causes
- Promote energy-efficient modes of transportation and specifically public transportation

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How emissions are cut is just as important as any percentages that are thrown around. There is no substitution for huge emissions cuts at source. So-called emissions cuts that allow for carbon market mechanists, false solutions and “cooking the books” emissions accounting do not result in real emissions reductions. According to the United Nations “Intergovernmental Panel on Climate Change in 1990”, in order to stabilize atmospheric concentrations at a level less than double that of pre-industrial times, greenhouse gas emissions would have to be reduced by 60-80%.” The Kyoto Protocol purports to cut GHG only 5.2% but it has such giant loopholes that it may represent a net GHG increase.

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