



Forschungsstelle für Umweltpolitik



Dr. Nana Künkel and Kerstin Amelie Ehrhardt
Environmental Policy Research Centre
Freie Universität Berlin
keffu@zedat.fu-berlin.de
nkuenkel@zedat.fu-berlin.de
www.fu-berlin.de/ffu/

ffu excursion to Kenya

„Environmental and Natural Resource Governance“

Oct. 1st. 2007 – Oct. 14.th 2007



Deutscher Akademischer Austausch Dienst
German Academic Exchange Service



OSI
CIUB
Verein der Freundinnen und Freunde
des Otto-Suhr-Instituts e.V.

Outline

- Preparation and financing
- Supporters, Implementers and Participants
- Theoretical background/ Teaching concept
- Excursion Topics/ Research questions
- Devolution of the excursion (Topics)
- Results (Matrice(s), Protocols and Reports)
- Future/ Planned activities (Publication, Back exchange, Teaching, University Cooperation)

Thematic preparation

Berlin Conference December 2005
Presentation and Discussion on the **Paper:**

„Environmental governance in Germany and Tanzania/Kenya – an interdisciplinary and intercultural course concept“

2 graduate seminars at the FU Berlin taught by Dr. Nana Künkel and Kerstin Amelie Ehrhardt – one preparatory seminar and one advanced seminar on the topic of the excursion:

1. preparatory: „Global and national environmental governance in Germany and Kenya“ *winter-term 2006/2007 - (HS 15472)*

2. advanced: „Umweltpolitik in Entwicklungsländern am Bsp. Kenia“
summer-term 2007 - (HS 15462)

Supporters

Patrons:

Prof. Dr. Martin Jänicke



(Expert Advisory Board on the Environment for the German Government, former head of the Environmental Policy Research Centre (ffu) and former member of Berlin State Parliament, member of the Board of Advisors of the Deutsche Bundesstiftung Umwelt (DBU))

Hon. Prof. Dr. Herta Däubler-Gmelin



(MdB, former minister of justice, Head of the working group on Africa within the SPD, Head of Parliamentarian's council on the Southern African Development Community (SADC)-Staates)

Financing

- **DAAD** (German Academic Exchange Service - Deutscher Akademischer Austauschdienst)
- **Department of Political and Social Sciences**, Freie Universität (FU) Berlin
- Environmental Policy Research Centre - **Forschungsstelle für Umweltpolitik** (ffu)
- **BUNDjugend** (Jugendorganisation des Bund für Umwelt und Naturschutz – Youth Organisation of the Society on Protection of the Environment and Nature Conservation)
- **OSI-Club** (Association of friends of the Otto-Suhr-Institute; Alumni of the Department of Political Science)
- **Institutsrat** (institute board), Otto-Suhr-Institute of Political Science, FU Berlin

Implementers:

- **Environmental Policy Research Centre (ffu) at the FU Berlin** (Dr. Nana Künkel, Kerstin Amelie Ehrhardt and others)
- **Association „Future Earth e.V.“**, Berlin (Hendrikje Reich and others)
- **Moi University** in Eldoret, Kenya (Dr. Gilbert Mbaka Nduru and others)
- **Environmental Health Students Association** Moi University (EHSAMU), Eldoret, Kenya (Mwambi Mwikamba and others)



Excursion participants

13 German students, 8 Kenyan students



Excursion participants



..and 2 Kenyan
lecturers and
2 German lecturers....



Teaching concept

- ⇒ Interlinkage of teaching and research
- ⇒ International and intercultural Cooperation and Understanding
- ⇒ Inter- /Multidisciplinary Approach: Bringing different Concepts and Theories together
- ⇒ Transdisciplinary Approach: Inclusion and Understanding of non-scientific perceptions
- ⇒ Keeping Gender-Aspects and –allocation in mind during preparation and devolution
- ⇒ Environmental protection and environmental governance - perfectly suitable for an interdisciplinary approach!

Teaching concept

Targeted results:

- ⇒ Development of common/ mutual Understanding on theoretical approaches/ topics/ and international/ cultural Differences
- ⇒ Development of joint professional terminology
- ⇒ Knowledge transfer und formulation
- ⇒ Production of consolidated findings (and securing their teachability and understandability)

Why Kenya?

Kenya in (environmental) perspective:

Environmental sustainability index

2005 (*Esty et al. 2005*)

Kenya on Rank 100 of 146 countries,

rank 24 of 40 NEPAD-Countries,

rank 74 of 117 Non OECD countries



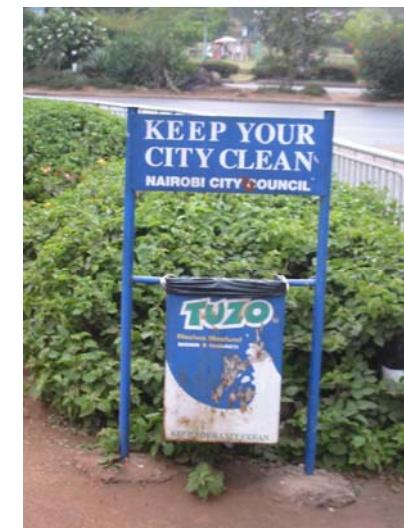
Ecological Footprint

(*Wackernagel et al. 2006*)

Kenya 0,8 ha/person

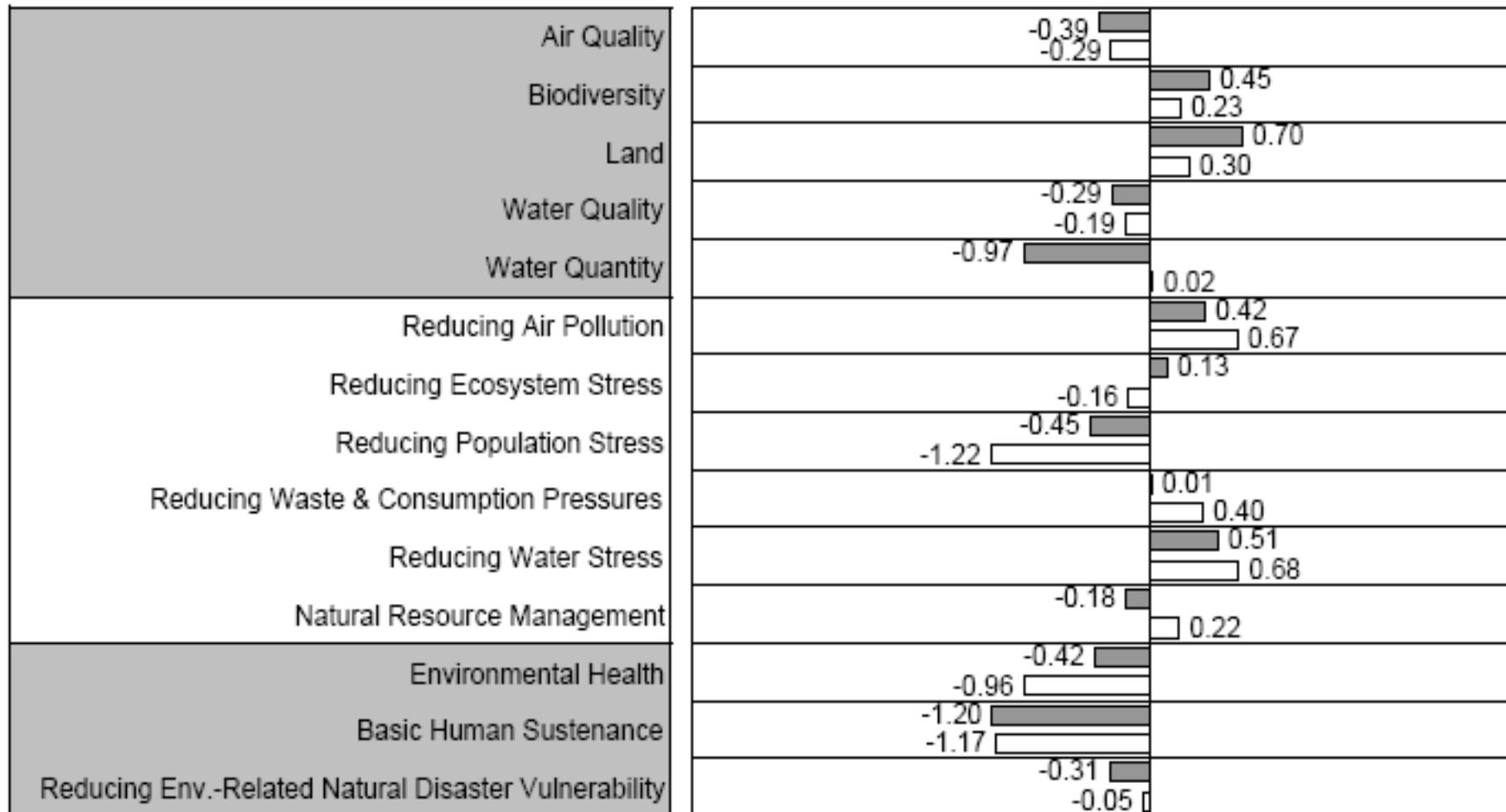
Global average: 2,2,

(High Income Countries: 6,4)



Why Kenya?

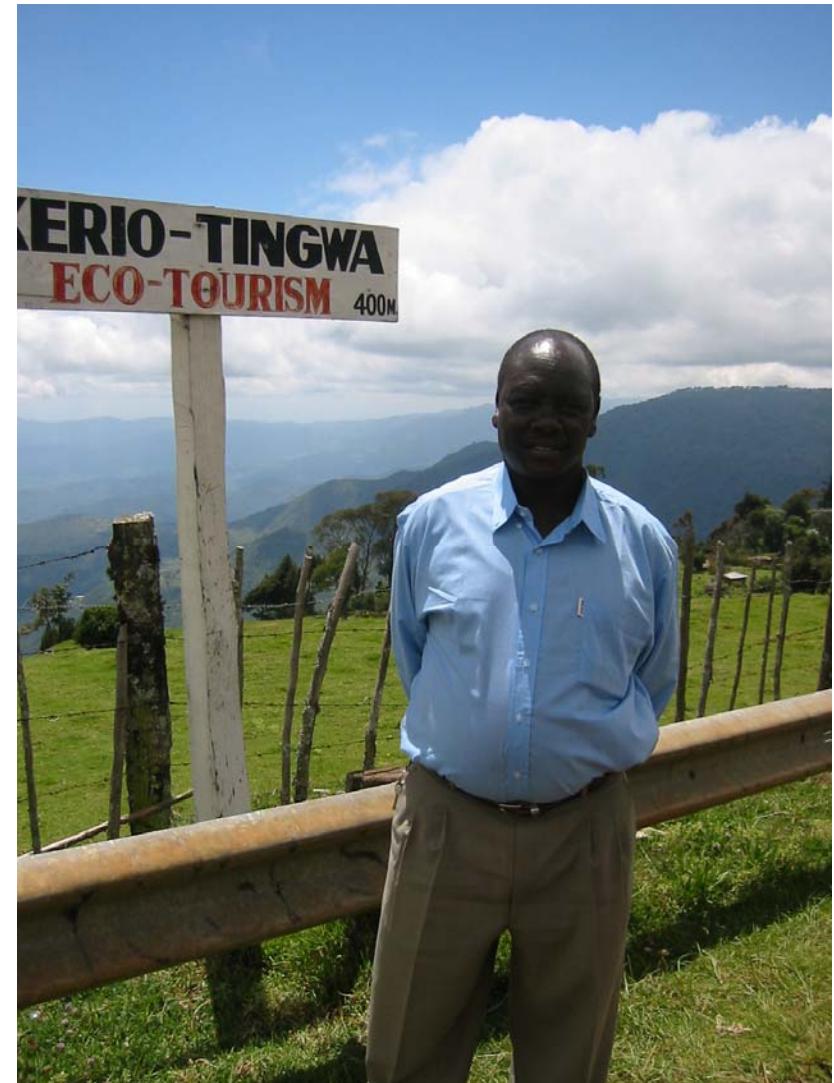
Profile of environmental problems



(source: Esty et al. 2005)

(Research) questions - Governance

1. Duties and responsibilities in providing goods in environment are divided between state and non-state actors. Non-state actors become more influential by providing environmental goods
2. Cooperation between and at the international, national, regional and local level develops.
3. New instruments like public private partnerships provide incentives for self-regulation.



Why Kenya?

Developing country undergoing change: Environmental governance

- Broad sector reforms: e.g. Water sector: Water Act (2002), Water Management Strategy (2005)
- Environmental legislation (e.g. Environmental Management and Coordination Act (EMCA), 1999)
- Institutions (e.g. Environmental Ministry, National Environmental Management Authority NEMA 1999)
- National Elections coming soon (Dec. 2007) (small green party exists)

Organizational matters:

- Safety for a student Excursion, languages, evolution of an exceptionally good cooperation with Moi University

Environmental Governance Challenges in Kenya

Excerpts from one of our host's presentations (Institute for Law and Environmental Governance - ILEG):

a) Challenges

- Little understanding/appreciation of environmental law and principles, institutions, rights and duties
- Lack of skills in public interest litigation
- Dearth of environmental jurisprudence to provide concrete basis for decisions
- no case reporting

Environmental Governance Challenges to Kenya

b) Structural necessities

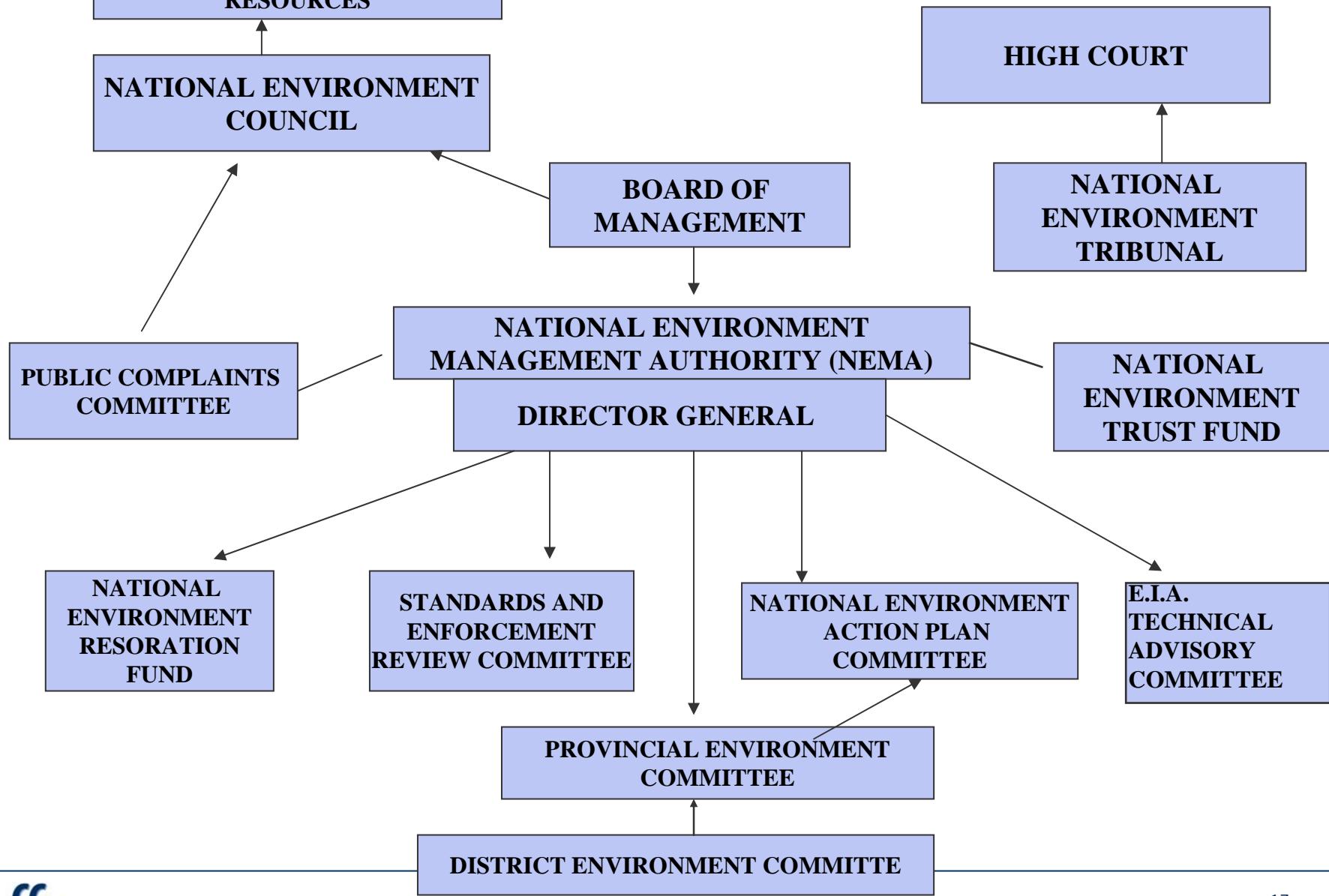
- Streamlining functions and responsibilities of agencies and institutions
- Composition, constitution and capacities of agencies institutions
- Formulation of operational guidelines and procedures
- Implementation and operationalization laws/policies – standards, inspectors & committees – costs

c) Legal necessities

- Lack of access laws, e.g., freedom of information legislation
- Multiple inappropriate sectoral laws – low fines/conflict
- Inadequate procedural rights

e.g.

Institutional Framework under EMCA



(Research) questions

Problems

- What are major environmental problems? Whom do they affect how are they perceived?

Solutions

- Which governance goods and services do get provided? By whom (at which level, by which actors)? By which means?
- What are the stakeholders' responsibilities and duties and which leeway do they posses?
- How does the constellation between different actors look like? Do we find networks? On which and between which level do they develop?

Excursion topics:

Evaluated environmental problems

e.g. resource degradation, renewable energy, water and sanitation, land use and loss, waste management...

Evaluated environmental Governance:

a) **Levels of governance**

- International level (UNEP, UNEP ROA)
- Nation State (EMCA, NEMA, Parliament)
- Regional level (e.g. Water Management Authority)
- Local (water and sanitation at Eldoret city)

Excursion topics:

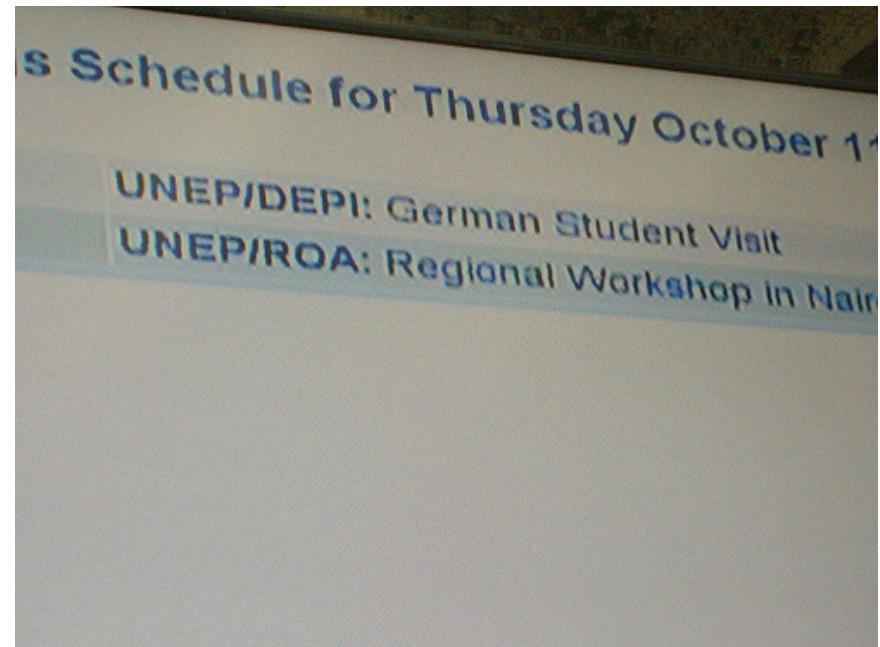
b) Stakeholders

- Governmental actors/institutions (NEMA, Parliament, Water Management Authority)
- Civil Society (e.g. NGO council, Green Belt Movement)
- Business (CSR in the flower industry, Flourspar Mining, Agrochemical Factory)
- Development Cooperation (GTZ, Böll foundation)
- Research institutes (ILEG, ICRAF, Böll foundation)

c) Solutions/Approaches

- Instruments (SCR, EIA)
- Legal Activities (ILEG, parliamentary representative/ Politician)

Governance levels: visit at UNEP



Visit at UNEP
international
and UNEP ROA
(Regional Office of Africa)

National level: Prof. Ruth Oniang'o, member of parliament



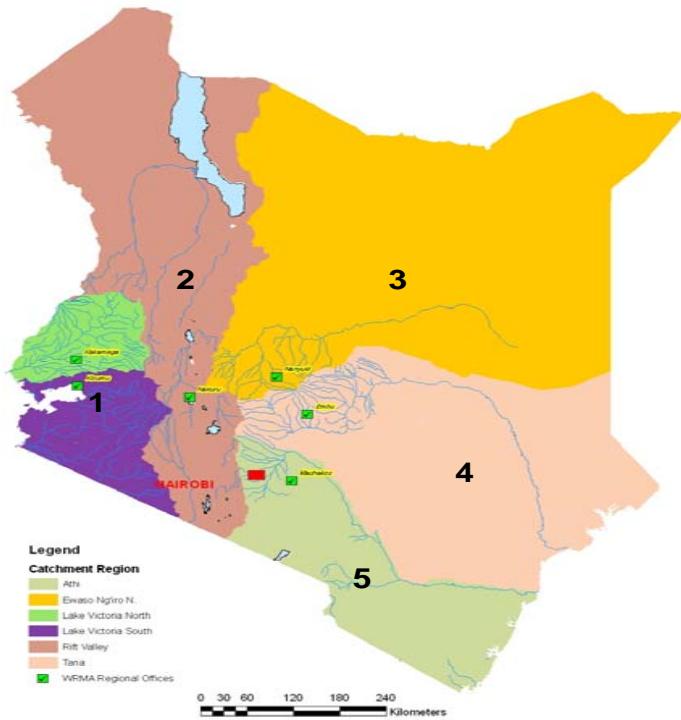


Regional: At the Water Management Authority



Regional level: Visit at the Water Management Authority Rift Valley Basin

5 Catchment Areas in Kenya



1. Lake Victoria North and South basin: 42,229 km² (8.4%); Mean annual rainfall is 1,368 mm; Mean annual discharge is 11.7 BCM
2. Rift Valley basin: 130,000 km² (21.8%); Mean annual rainfall is 562 mm; Mean annual discharge is 3.7 BCM
3. Ewaso Ng'iro basin: 579,000 km² (35.1%); Mean annual rainfall is 411 mm; Mean annual discharge is 0.34 BCM
4. Tana basin: 127,000 km² (22.7%); Mean annual rainfall is 697 mm; Mean annual discharge is 3.7 BCM
5. Athi basin: 66,837 km² (12%); Mean annual rainfall is 739 mm; Mean annual discharge is 1.3 BCM

Business actors: Examples for CSR and Environmental Management



e.g. the exceptional
Flower Farm Flamingo



National Business actors with international focus



e.g. visiting Agrochemical and food company Ltd,
Muhoroni (e.g. working on attracting CDM)

Business actors in conflict with the national law: e.g. Sugar factory Muhoroni



Business actors with serious & obvious environmental impacts – e.g. land slides at the Kenya Flourspar Company Kerio Valley



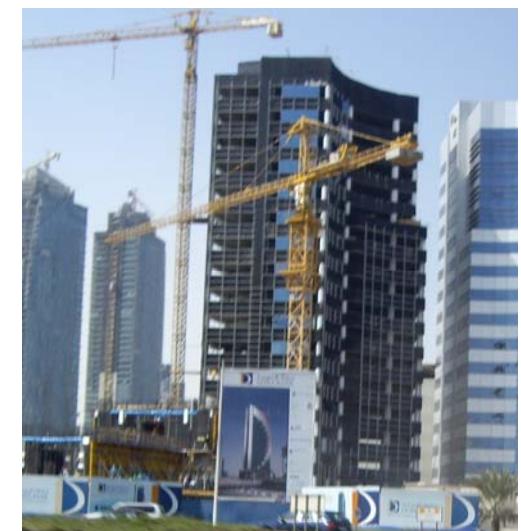
Very interesting presentations and amazing hospitality – almost everywhere



Devolution of Excursion programme: Travel challenges

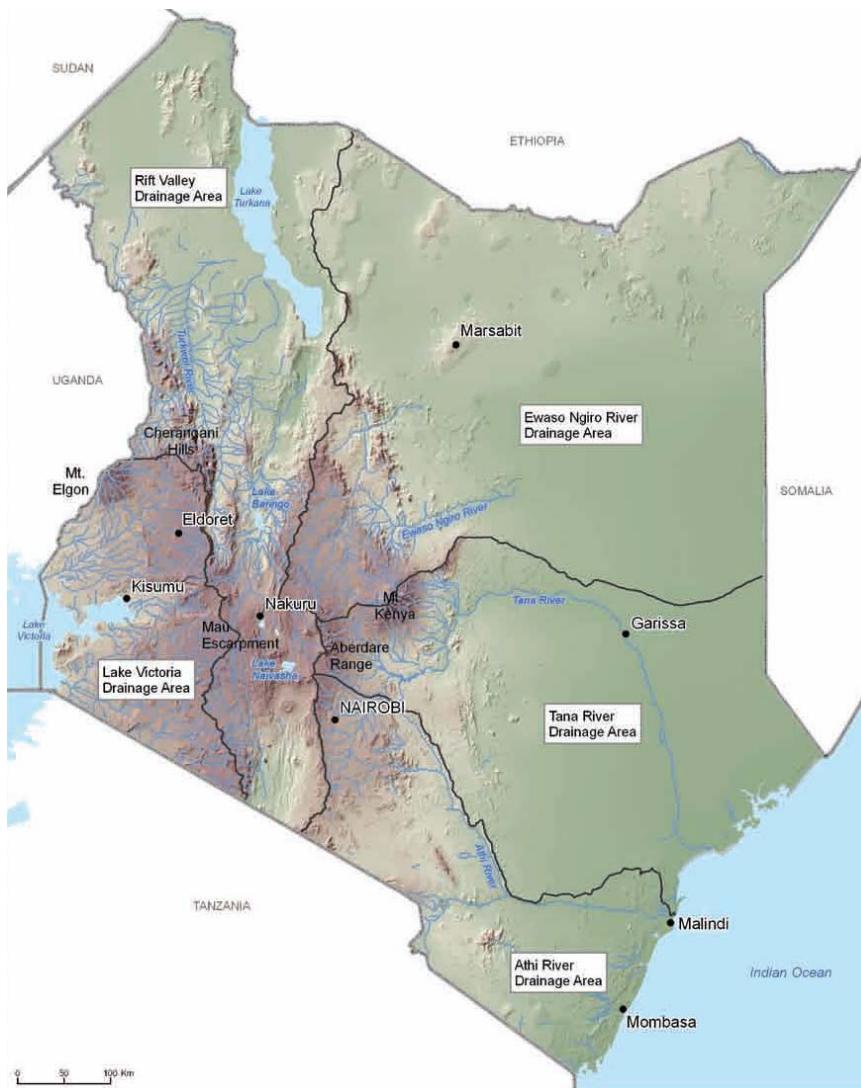


e.g. unplanned
stopover in
Doha, Qatar





Devolution and structure of Excursion: Travel Route



Bus travels: Discussing/ sleeping/ having fun/ great sights / bad roads



Student Presentations in the mornings - even before the field trips





Whole day workshops with our student - group



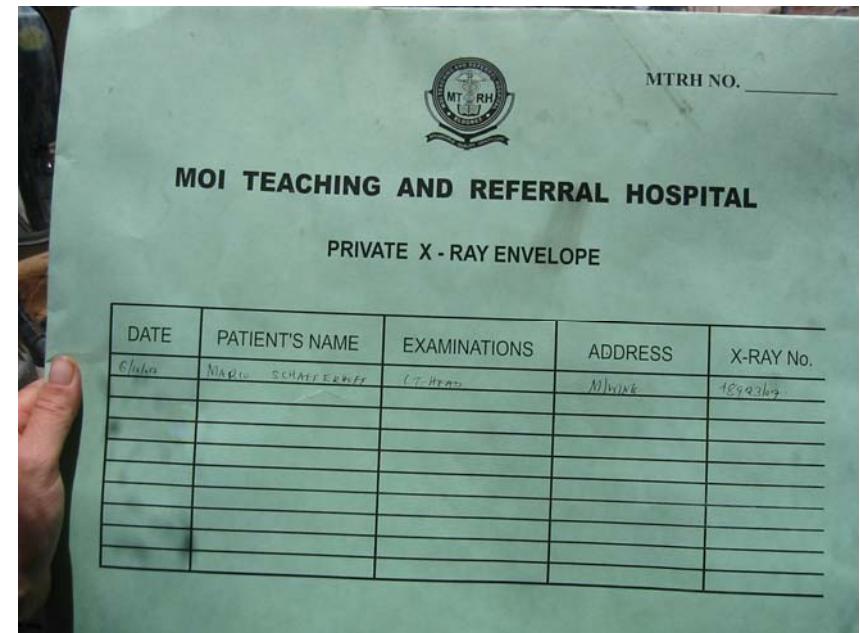
(Scientific) Results

- Common development of a Research Framework (Matrices) to be used for the evalution of our distinct environmental problems under focus – the different case studies
- Students protocols for every excursion day
- Final reports by student working groups on every case study to be delivered after return





Student activities/ special individual engagement





Sightseeing and recreation





Socializing





The German/ Kenyan evening



Outlook: Facing Challenges Together





Planning future activities, e.g. back exchange



Perspectives

Planned projects:

- Back exchange (Kenyans coming to Berlin, summer 2008)
- Book-project/ Publication, including Workshop for external Review of the sub-chapters (Reports)
- Joint teaching in Kenya and Germany
- Student exchange
- lasting/sustainable university cooperation

First steps:

- Planned visit of the Kenyan colleague (Dr. Nduru) at the ffu
- Common use of the FU-Blackboard by the whole Kenyan/German group

Acknowledgements:

Lateinamerika-Institut FU Berlin (Prof. Bandau, Dr. Schütze) – several times advice, ideas, consultancy to a various number of issues (e.g. financing, insurance, publication...)

(<http://www.lai.fu-berlin.de/studium/exkursionen/mexiko2006/index.html>)

Laraos-Team HU/TU Berlin (Thomas Nehls, Sabrina Apitz, Marcus Otto and others) – consultancy on the overall excursion (<http://www.laraos.info/>)

Achim Steiner (UNEP) – Participation in Preparation Seminar

Dr. Maria Ivanova (Yale Center for Environmental Law and Policy) – Conceptional advice and feedback

Prof. Herta Däubler-Gmelin (MdB) – Seminar support and participation, financing ideas

BerlinNairobi Exchange (Exchange Initiative of Physicists) – cooperation and thematic feedback (<http://www.berlinnairobi.org/>)

Links to supporters:

- Prof. Dr. Herta Däubler-Gmelin (<http://www.daeubler-gmelin.de/>)
- Prof. Dr. Martin Jänicke (http://web.fu-berlin.de/ffu/Team/team_jaenicke.htm)
- DAAD (Deutscher Akademischer Austauschdienst) (<http://www.daad.de>)
- FU Berlin: Fachbereich Politik- und Sozialwissenschaften
(<http://www.fu-berlin.de/einrichtungen/fachbereiche/pol-soz/index.html>)
- Forschungsstelle für Umweltpolitik (ffu) (www.fu-berlin.de/ffu/)
- BUND jugend (Bund für Umwelt und Naturschutz)
(<http://www.bundjugend-berlin.de/>)
- OSI-Club (Verein der Freundinnen und Freunde des Otto-Suhr-Instituts e.V.;
Alumni of the Department of Political Science) (www.osi-club.de)
- Institutsrat des Otto-Suhr-Instituts für Politikwissenschaft
(<http://www.fu-berlin.de/einrichtungen/fachbereiche/pol-soz/pol/irat.html>)

Sources:

Graphs:

Esty, Daniel et al (2005): Environmental Sustainability Index:
Benchmarking national environmental stewardship external (27.th of
January 2005)

Wackernagel, Mathis et al. (2006): Ecological Footprint of Nations, see:
http://www.footprintnetwork.org/gfn_sub.php?content=national_footprints

Pictures:

Photos by excursion participants: Steve Ebeling, Kerstin Amelie Ehrhardt,
Florian Mersmann, Nana Künkel