

2016 Blue Planet Prize

マルクス・ボルナー教授 講演スライド集

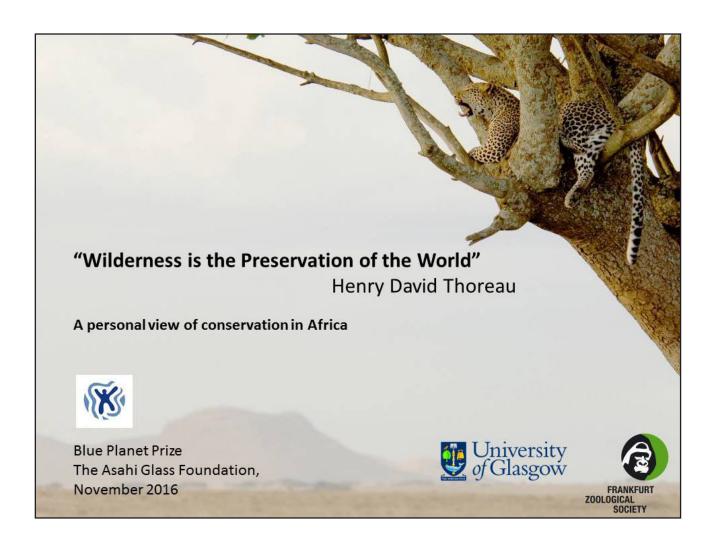
"野生にこそ世界の救い" ヘンリー・ディヴィッド・ソロー アフリカにおける自然の保全に対する私見

Professor Markus Borner
Slides for the Lecture

"Wilderness is the Preservation of the World"

Henry David Thoreau

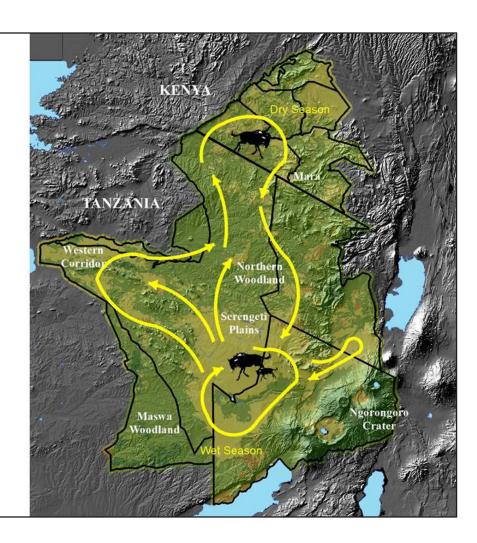
A personal view of conservation in Africa





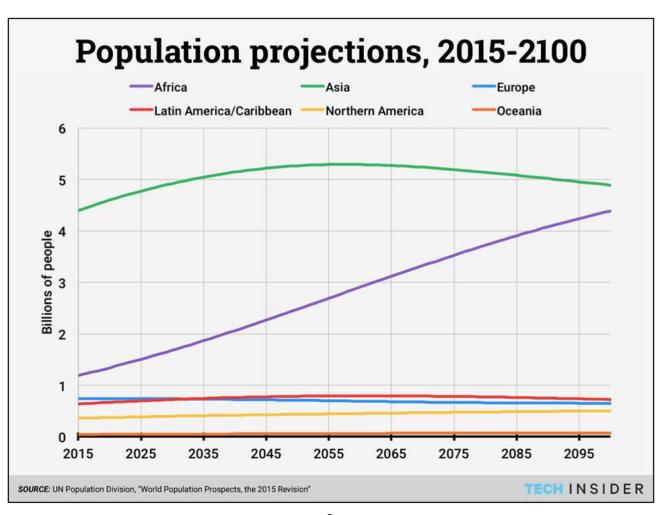
The Great Serengeti Migration:

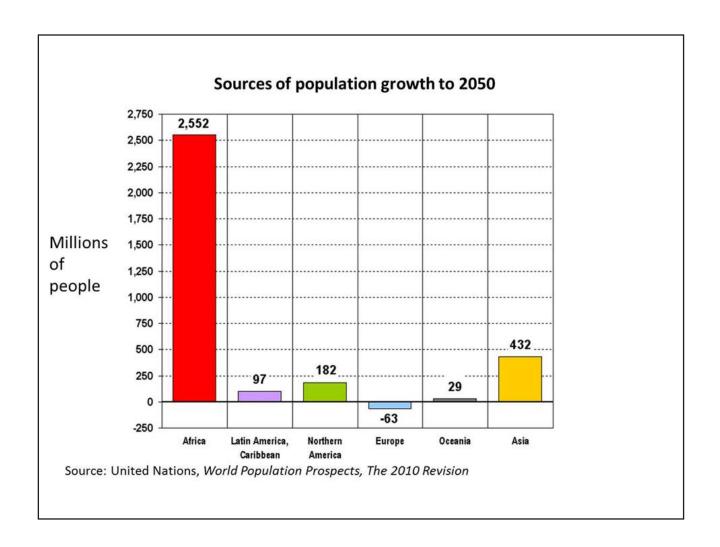
1,5 Million Wildebeest and 200,000 Zebras

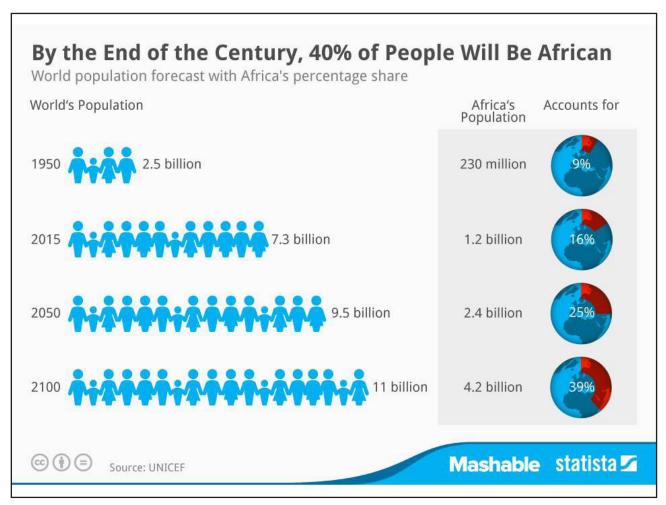


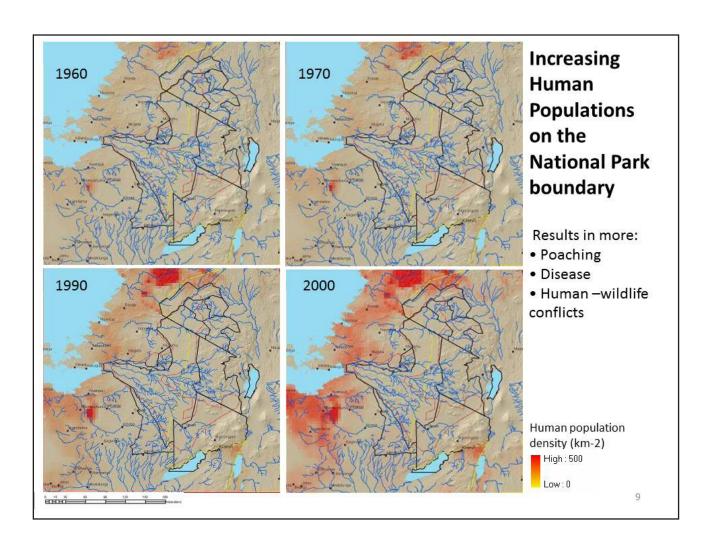


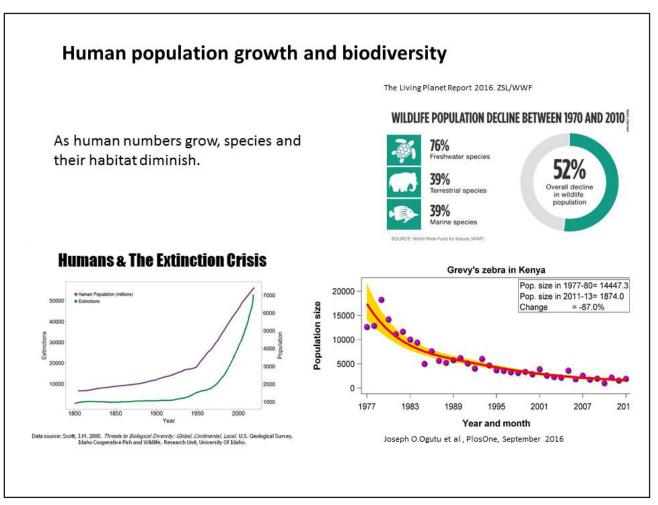










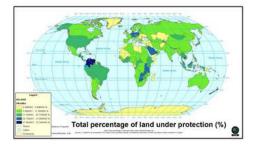


2 billion new citizen by 2050 - The challenges for the African countries are huge.

If we want to save some of the biodiversity in Africa in the face of the coming human population surge we need to:

- Support and improve reproductive health systems
- · Empower women, increase education and training
- Integrate communities into conservation efforts
- Re-enforce park protection and support protection of "Paper Parks"

A good starting point for the struggle ahead



Tanzania has a third of the land area under protection

But many of them "Paper Parks" without effective protection.



A good starting point for the struggle ahead



Improved Reproductive Health Systems all over Africa

Empowerment of women, even in the law enforcement of National Parks in Tanzania





A good starting point for the struggle ahead



Conservation Education, part of Tanzania's National Park Program

Training of wildlife management professionals.



A good starting point for the struggle ahead



Involving local communities in conservation, a department of Tanzania National Parks



Empowerment of communities for wildlife use through the Community Conservation Programs of Tanzania's Wildlife Sector

A good starting point for the struggle ahead



Training of law enforcement staff and use of modern equipment in the Wildlife Sector



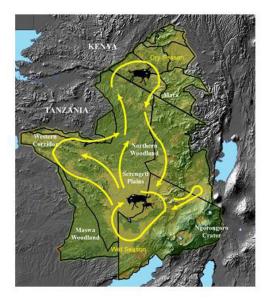


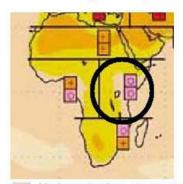
Climate change and competition for water

Source: Intergovernmental Panel on Climate Change 2001

GCM Predicted Changes in Temperature

Projections: More extreme events - floods and droughts





Much greater than average warming Greater than average warming Less than average warming Inconsistent magnitude of warming/cooling



Africa might become the main victim of climate change

• Climate change is a planetary threat and needs planetary solutions



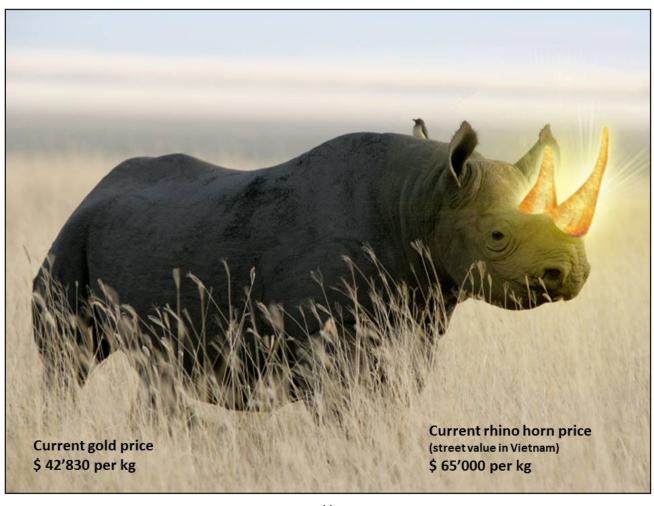
Poaching (Illegal hunting) Threat

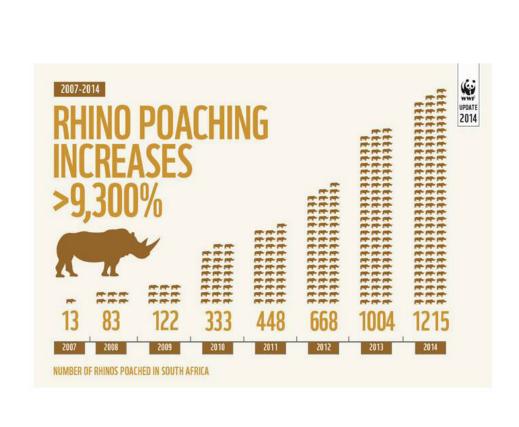






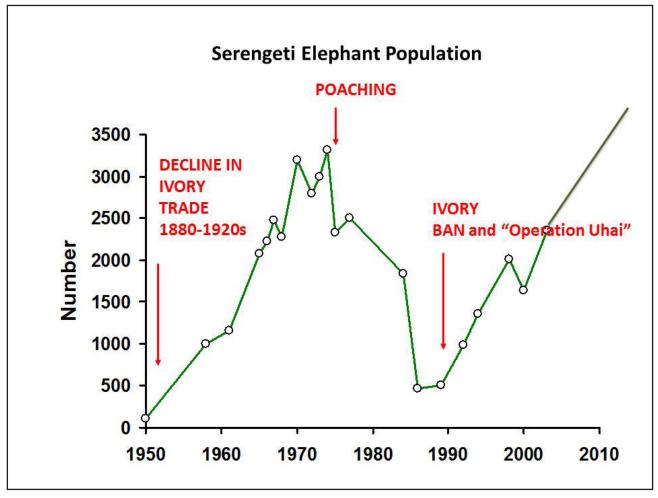






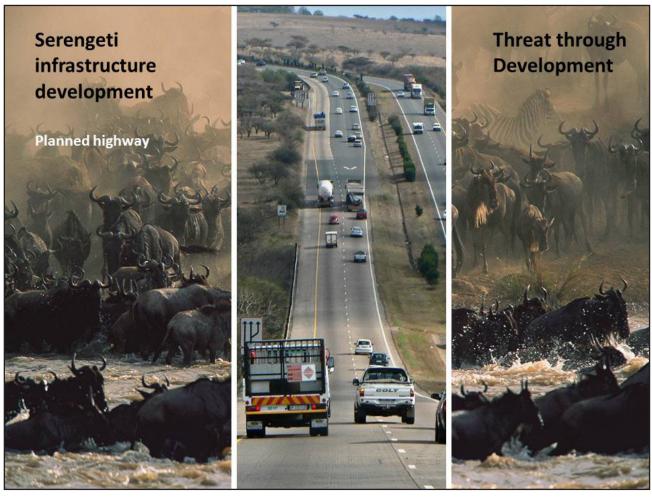






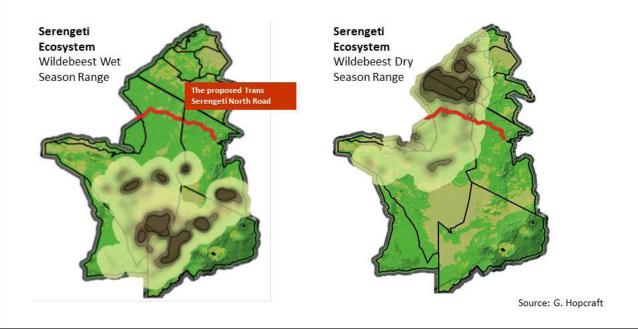
Africa's poaching crisis must be solved!

- Increase law enforcement and protect the rapidly vanishing "Paper Parks"
- Target wildlife smuggler international syndicates
- Educate consumers of ivory and rhino horn and other wildlife products and Close the international trade in wildlife products and live wildlife
- Empower communities to conserve and use their wildlife and work with them to minimize "Bush meat" consumption



Planned commercial road through Serengeti and the world famous wildebeest migration

During the dry season, the wildebeests rely on critical water sources in the Masai Mara, north of the planned road. The road bisects the migration route.

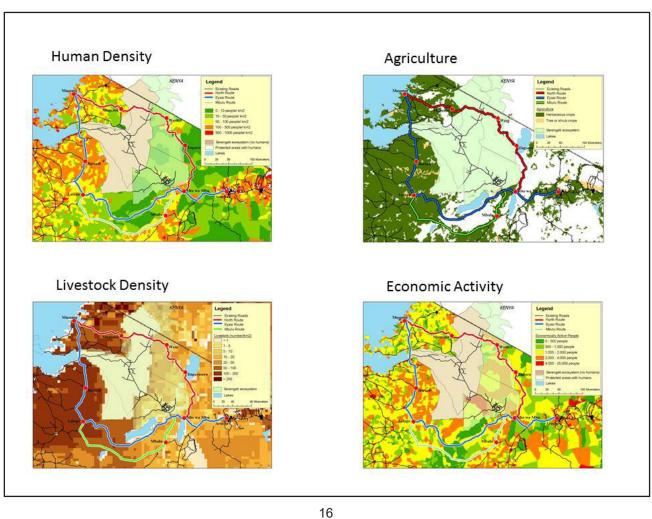


Conservation reasons against a highway through the Serengeti

- Direct negative impact on the ecology
- Disruption and ultimate end of largest still existing wildlife migration in the world
- · Degradation of Serengeti's iconic values for the world
- Direct negative impact on tourism revenue in Serengeti and countrywide
- Backlash against Tanzania's reputation as world leader in conservation



Socio-economic reasons against a highway through the Serengeti Villages to be connected to Villages Roads Serengeti NP Neighbouring PAs market by new road: Planned Serengeti Highway Southern Bypass Road



In June 2011 the Tanzanian Government agreed not to build a tarmac road through the National Park.

Donor Nations lead by Germany promise to assist the Tanzanian Government to build the south road alternative.

Unfortunately this has not happened until today.

THE UNITED REPUBLIC OF TANZANIA MINISTRY OF NATURAL RESOURCES AND TOURISM

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P.O. Box 9372 DAR ES SALAAM

22^{nl} June 2011

Ref. NO. EA.297?593/01/20

Director, World Heritage Centre 7, Place de Fontenoy 75352 Paris 07 SP, FRANCE

Re: STATE OF CONSERVATION OF SERENGETI NATIONAL PARK

The United Republic of Tanzania is honored to take this opportunity to clarify on the propose tarmer road in northern Tanzania.

The proposed road will be constructed in two sections:

(ii) The western steech turnar road that will be constructed from Makstano-Nata-Magama, a distance of 12 Ma. The streech of 12 Ma from Magama in the Seengeri National Park weemen bortfor plus a corresponding stretch of 57.6 km from Lulicoloo to Seeragei National Park seasons before with on the turnar. The 53 km section traversing Seengerija National Park in the National Park and the National Park and the National Park and the National Park and the National Park with the Nati

In view of this intended plan of construction, the State Party confirms that the proposed road will not dissect the Serengeti National Park and therefore will not affect the migration and conservation values of the Property. The ongoing ESIA will take into consideration these development on will be inhorized to WICE confliction.

This decision has been reached in order to address the increasing socio-economic needs of the roral communities in Northern Tanzania while safeguarding the Outstanding Universal Value (OUV) of Serengeli National Park. The Government of United Republic of Tanzania is also seriously considering the construction of a road from Muguma to Arusha running south of

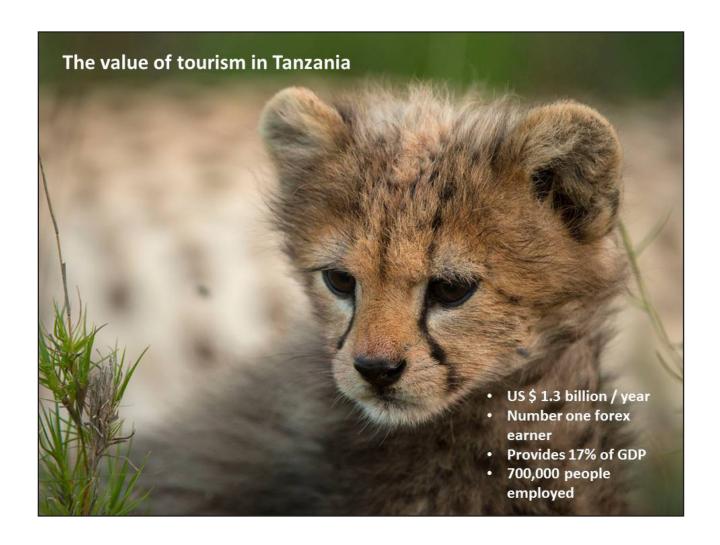
Please accept, Sir, the assurance of my highest considerations.

EZEKIEL MAIGE MINISTER FOR NATURAL RESOURCES AND TOURISM

Development versus Conservation

- · Realistic and pragmatic about justified development needs
- · Dialogue between development and conservation goals
- Conservation to support poverty alleviation around protected areas
- · We need to be proactive in political developments





Serengeti/Mara:

Present trend from Quality- to Mass-Tourism

There is a limit to the tourism impact that the Serengeti can sustain. Beyond this, the Serengeti loses its unique tourism and economic value as well as ecological functionality

