

Biodiversity Financial Resources and Mechanisms in Egypt



Prof. Moustafa M. Fouda
Director, Nature Conservation Sector
Egyptian Environmental Affairs Agency



Lessons Learnt

- Political support is essential
- Economic benefit is important
- If necessary: “Protect now and study later”
- Building consensus is vital
- Local community involvement is critical for long term success
- PAs are the most effective conservation tool

Lessons Learnt

- Dedicated well trained staff
- Self financing
- Economic benefit to the wider community is a must
- Protected areas are an effective regional planning tool
- Expert opinion is valuable
- Early avoidance of conflicts

Lessons Learnt

- Adaptive Management and Flexibility
- Not all protected areas are equal
- Establishing models
- Selecting the appropriate staff is crucial
- Partnerships are key for sustainable management
- Successful participatory, precautionary and ecosystem approaches

Future Priorities

Based on :

- Biodiversity strategy and action plan (2017).
- Emerging issues (invasive species, GMOs, mainstreaming biodiversity, 2010 biodiversity target).
- Millennium Development Goals.
- Egypt's commitment to international / regional conventions / agreements.
- Egypt's social / economic / environments needs.

A- Development / management of PAs.

B- Biodiversity Monitoring.

C- Supporting Measures for biodiversity.

A- Development / management of PAs

- Improve PAs system plan.
- Effectiveness evaluation as indicator for biodiversity targets.
- Local community development.
- Improve infrastructure.
- Declare more PAs.
- Recruit/ train staff.
- Self – financing of PA.
- PAs economics.
 - GEF project.
 - Ecotourism.
 - Medical plants.
 - Ecosystem services / products.
- Captive breeding of endangered species.
- Natural History Museum

B- Biodiversity Monitoring

- Biodiversity challenge in :
 - Data availability.
 - Information needs.
 - monitoring changes (indices)
- Biomap of Egypt:
 - trends in biodiversity.
 - Red data book (to measure progress towards 2010 target)
- Indicators for biological invasion
- Biosafety implementation (GMOs)

C- Supporting Measures

- Nature Conservation (Separate Agency)
- Wildlife law.
- Biosafety law.
- Partnership with civil society / local communities.
- Funded projects.
- CEPA.
- International / Regional obligations.

Funded projects

- GEF (wetlands, Medicinal plants and GMO)
- Italian Cooperation (Wadi El Rayan, White Desert, Elba, BIOMAP, Capacity building)
- EU (South Sinai)
- US AID (Red Sea)



جمهورية مصر العربية
وزارة الدولة لشئون البيئة
جهاز شئون البيئة
قطاع حماية الطبيعة



صون التنوع البيولوجي في مصر



٢٠٠٥



وزارة الدولة لشئون البيئة
جهاز شئون البيئة
الإدارة المركزية لحماية الطبيعة

Third National Report
On
Convention On Biological Diversity (Egypt)

التقرير الوطني المصري الثالث
عن
اتفاقية التنوع البيولوجي



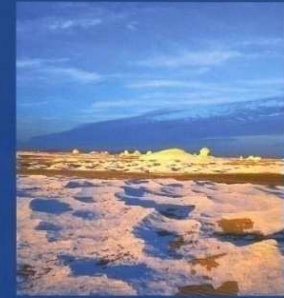
أكتوبر ٢٠٠٥



PROTECTED AREAS

OF EGYPT:

TOWARDS THE FUTURE



ARAB REPUBLIC OF EGYPT

Ministry of State for Environmental Affairs
Egyptian Environmental Affairs Agency
Nature Conservation Sector

June 2006



IUCN
The World Conservation Union

EGYPTIAN ITALIAN
ENVIRONMENTAL COOPERATION PROGRAM
- PHASE II

Nature Conservation Sector Capacity Building
and Institutional Support Project

Training Needs Assessment

Part I & II

Prepared by:
Istituto Pangea- European Institute
for Environmental Education and
Training

May 2006



Biodiversity Conservation
Capacity Building
In Egypt

2006





وزارة الدولة لشئون البيئة
 جهاز شئون البيئة
 الإدارة المركزية لحماية الطبيعة

دراسة ميدانية
 لمشروعات استثمارية
 في ضوء قرارات مجلس الوزراء بتاريخ ٢٨/٧/٢٠٠٣

أولاً : تشكيل شركة قابضة لإدارة وتسويق المحميات الطبيعية إقتصادياً
 ثانياً : إنشاء متحف للتاريخ الطبيعي ومعرض للحياة البحرية



١٨ أغسطس ٢٠٠٣



The State of
Wadi El-Rayan Protected Area
and
Valley of the Whales
World Heritage Site

An Evaluation of Management Effectiveness



NATURE CONSERVATION SECTOR
FINANCIAL ANALYSIS
 2000 - 2005



Ministry of State for Environmental Affairs
 Egyptian Environmental Affairs Agency

Qaroun Protected Area



An Illustrated Summary
of the Management Plan

Draft
 May 2007

Nature Conservation Sector
 Planning Unit



MANAGEMENT EFFECTIVENESS EVALUATION
OF EGYPT'S
PROTECTED AREA SYSTEM

June 2006



financial Needs Assessment

- Financial Analysis.
- Projected Financial Needs

Expenditures of protected Areas Over last 5 years (\$ 1000)

| Year | 2004 | 2005 | 2006 | 2007 | 2008 | Total |
|--|------|------|------|------|------|---------------|
| Source of Funding | | | | | | |
| Government | 1903 | 1672 | 2992 | 1278 | 3002 | 10847 |
| Donors | 2412 | 4341 | 4844 | 4380 | 4194 | 17800 |
| After deduct25% TA | 1809 | 3256 | 3633 | 3285 | 3147 | 15129 |
| Total fund (T) | 3712 | 4928 | 6625 | 4563 | 6149 | 25977 |
| Revenues (R) | 2937 | 3795 | 2812 | 3623 | 4698 | 17865 |
| (R/T) | 0.79 | 0.77 | 0.42 | 0.79 | 0.76 | |
| Protectorates Area (1000 km ²) | 100 | 100 | 100 | 150 | 150 | -- |
| Expenditures per km ² /year (\$) | 37 | 49 | 66 | 30 | 41 | Average 45 |

NCS Financial needs for the next 5 years

| Components and key activities | Total budget |
|--|--------------|
| 1- Information , Monitoring , Assessment of Biodiversity <ul style="list-style-type: none"> • Survey, Monitoring, and evaluation of resources. 6 • Survey and Assessment of endangered species. 4 • Geographic information maps system of Biodiversity. 3 • Actions against bird flue, invasive species and Biosaftey. 10 | |
| Total | 23 |
| 2- Development of PA network <ul style="list-style-type: none"> • Declaration and managing of new PAs. 15 • Improving the infrastructure of PAs. 25 • Providing PAs with technical and administrative facilities. 10 • Increasing PAs capacity to support economic and social development. 6 • Initiate The Egyptian National Museum. 10 • Enhance the program of captive breeding. 10 • Implementing the strategy of medicinal planets. 8 | |
| Total | 84 |

NCS Financial needs for the next 5 years

| Components and key activities | Total budget |
|---|--|
| 3- Support enabling environment for PAs and Biodiversity <ul style="list-style-type: none"> • Institutional reform and capacity building of nature conservation. • Partnership with stakeholders, local community, NGOs. • Ensure sustainability of donor projects. • Communication, media, marketing and awareness for ecotourism in PAs. • Undertake necessary measures to satisfy international conservations commitments. | <p style="text-align: right;">10</p> <p style="text-align: right;">5</p> <p style="text-align: right;">10</p> <p style="text-align: right;">3</p> <p style="text-align: right;">10</p> |
| Total | 38 |
| Grand Total | 145 |

Conclusion

- 5 million US\$/Yr
- 40 % Government Fund
- 60 % Donors Fund
- 45 US\$/Km²/Yr

- Compared with:
 - Developed Countries (1300 US\$/Km²/Yr)
 - Developing Countries (160 US\$/Km²/Yr)

Urgent Need for
at least 30 million US\$/Yr

Gaps

- Irregular expenditure
- Focus on funded projects
- > 2 million visitors/Yr
- Paper parks

Revenues

- Generated Revenues should reflect PA values and it needs
- Revenue System should be managed by business approach(cost/benefit)
- Current entrance fees (5 US\$/) very low
- Financial shortfalls have severe impacts on the level of PA management effectiveness
- Resulting in biodiversity loss

Revenues

- Financial shortfalls is only one side of the problem
- Enabling environment and capacity constraints

Success Stories

- Spinner dolphins at Samadi
- Crown of thorn Starfish
- *Medemia argun*
- Egyptian Tortoise
- Medicinal Plants
- Wadi Hitan
- Egyptian Gazelles
- Sea cucumber
- Mangroves
- Coral Reefs



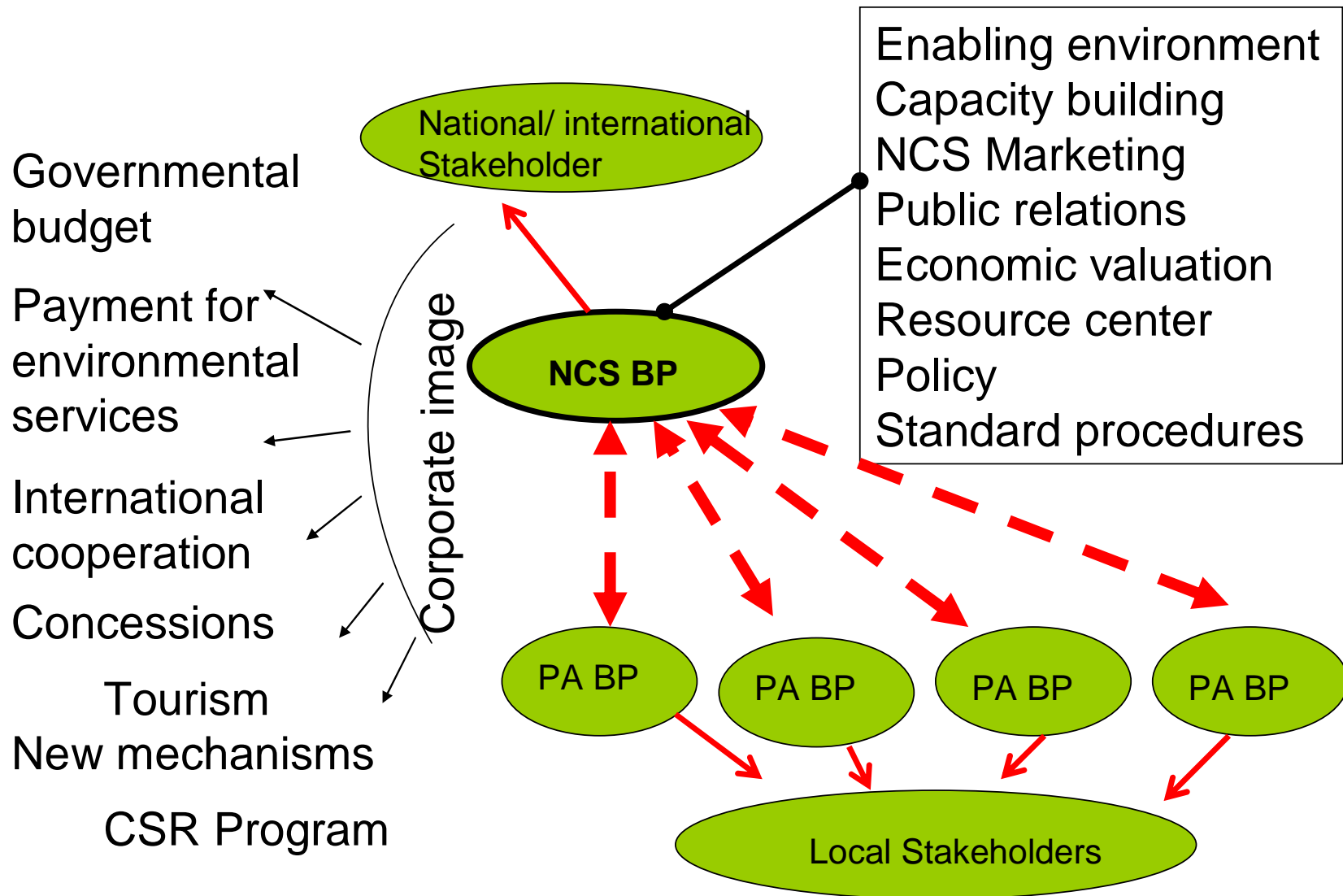
Best Practices for Biodiversity Mainstreaming

- Environmental Policy
- Biodiversity Strategy and Action Plan
- NEAP:
 - Current status
 - Corrective measure
 - Supportive measures
- NCSA
- Partnerships

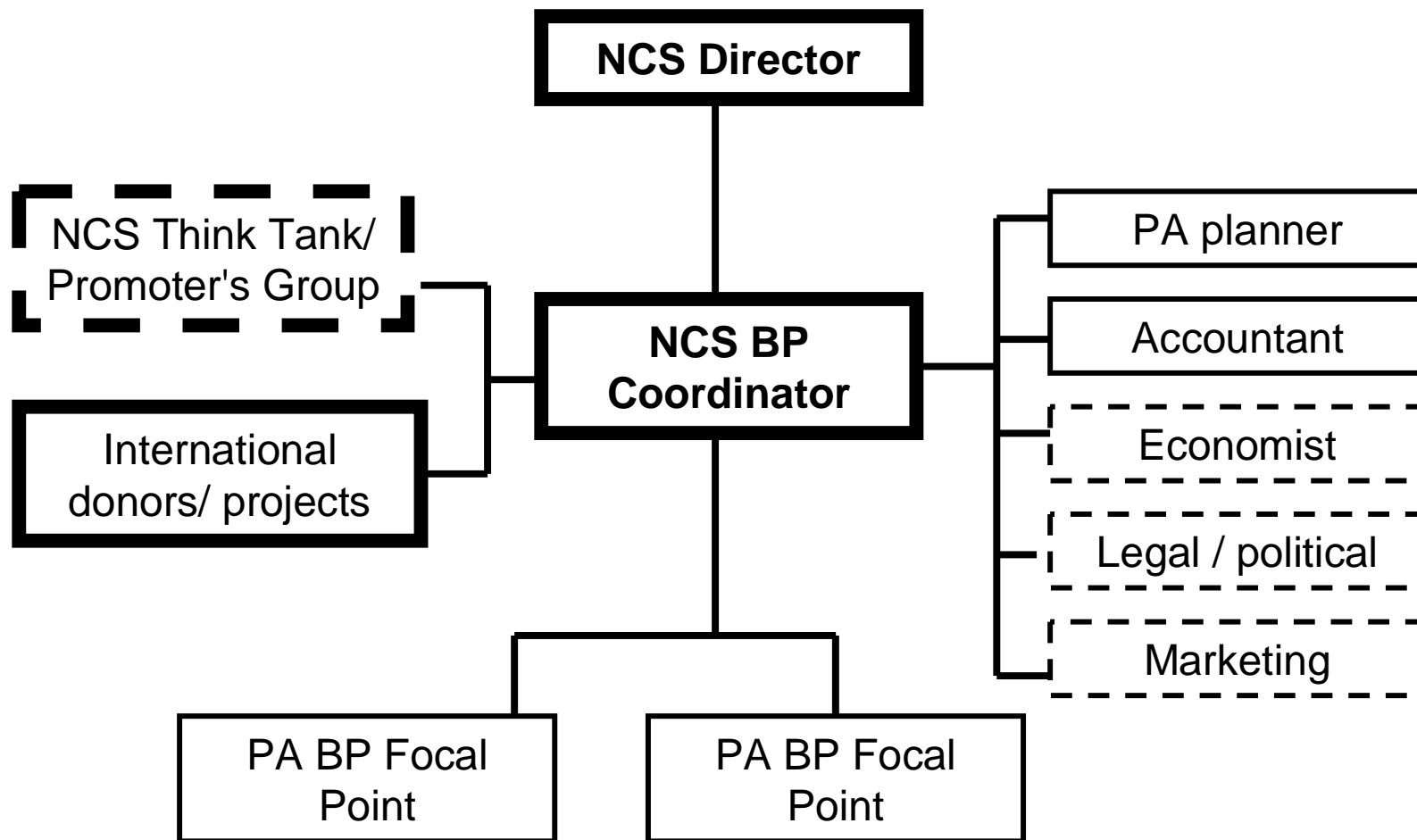
New Financial Mechanisms & Initiatives

- Institutional Reform
- New Legislations
 - GMO (Biosafety)
 - ABS
 - Wildlife

- Business Planning



- Business Planning

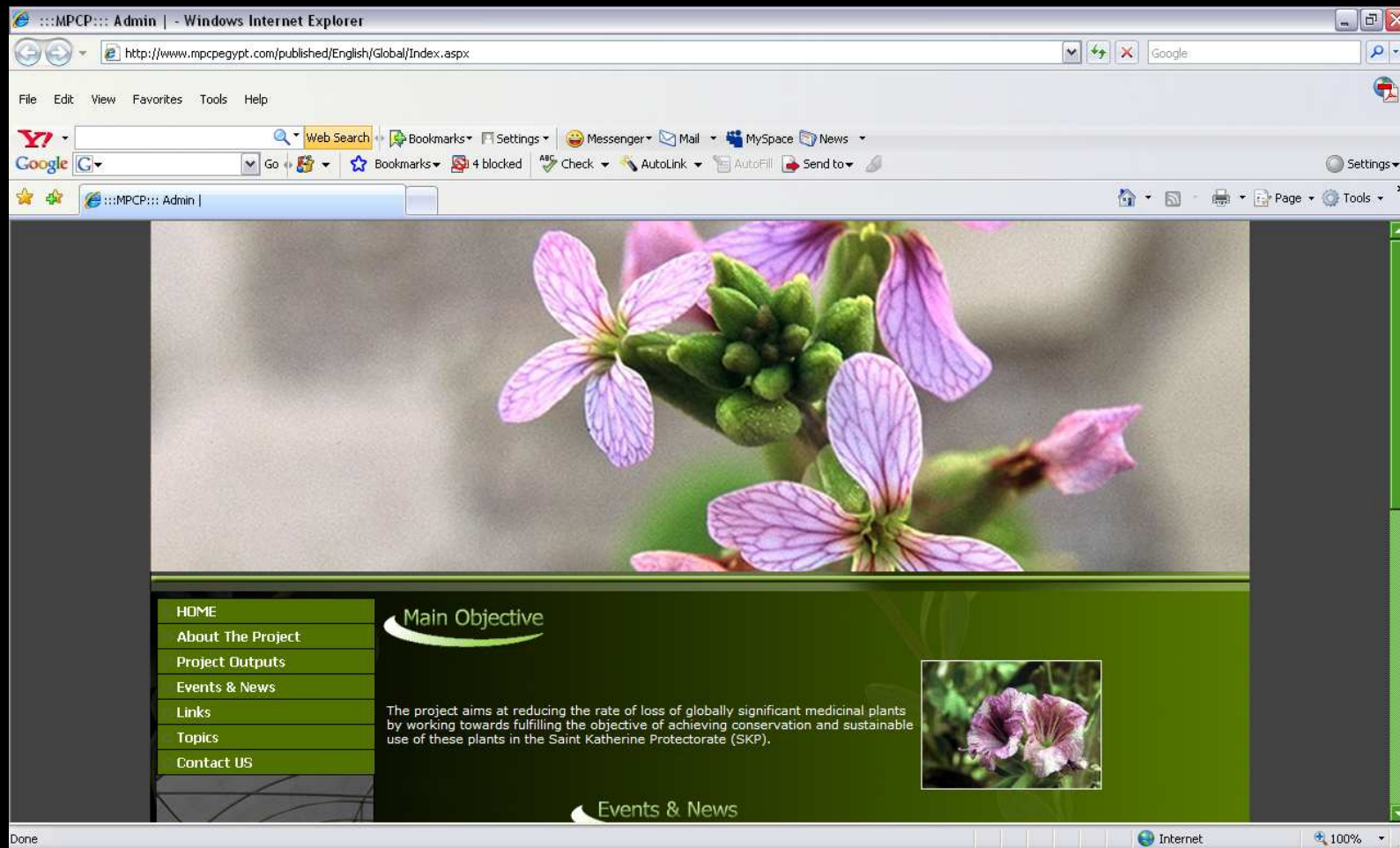


New Financial Mechanisms & Initiatives

- Strengthening National System of Pas (GEF)
- Payment for Environmental Services
- International and Regional Cooperation

New Financial Mechanisms & Initiatives

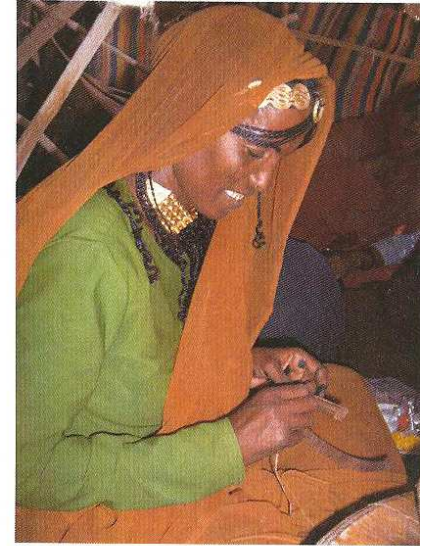
- Medicinal Plants



New Financial Mechanisms & Initiatives

- Gender

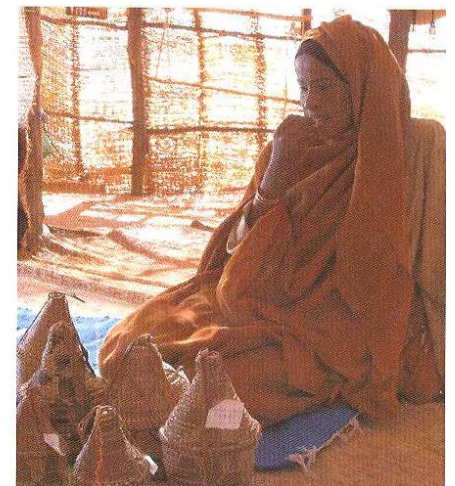
Handicrafts



from the
South Red
Sea



Abu Ghusun
Baranis
Hafifit
Qula'an
Shalateen

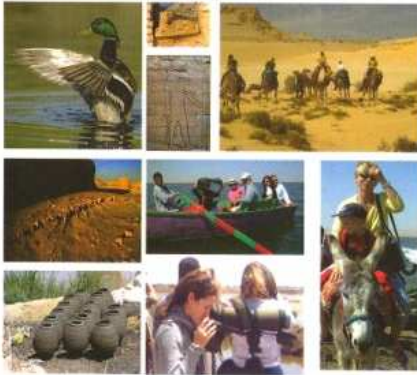


New Financial Mechanisms & Initiatives

- Tourism



FAYOUM ECOTOURISM DEVELOPMENT PLAN 2005-2015



Fayoum Governorate, Egypt



وزارة الشؤون البيئة
جمال خنوزن البيئة
الإحارة المرشحة لحماية الطبيعة



نحو إستراتيجية وطنية وخطة العمل
للسياحة البيئية في مصر



(وثيقة للمناقشة)

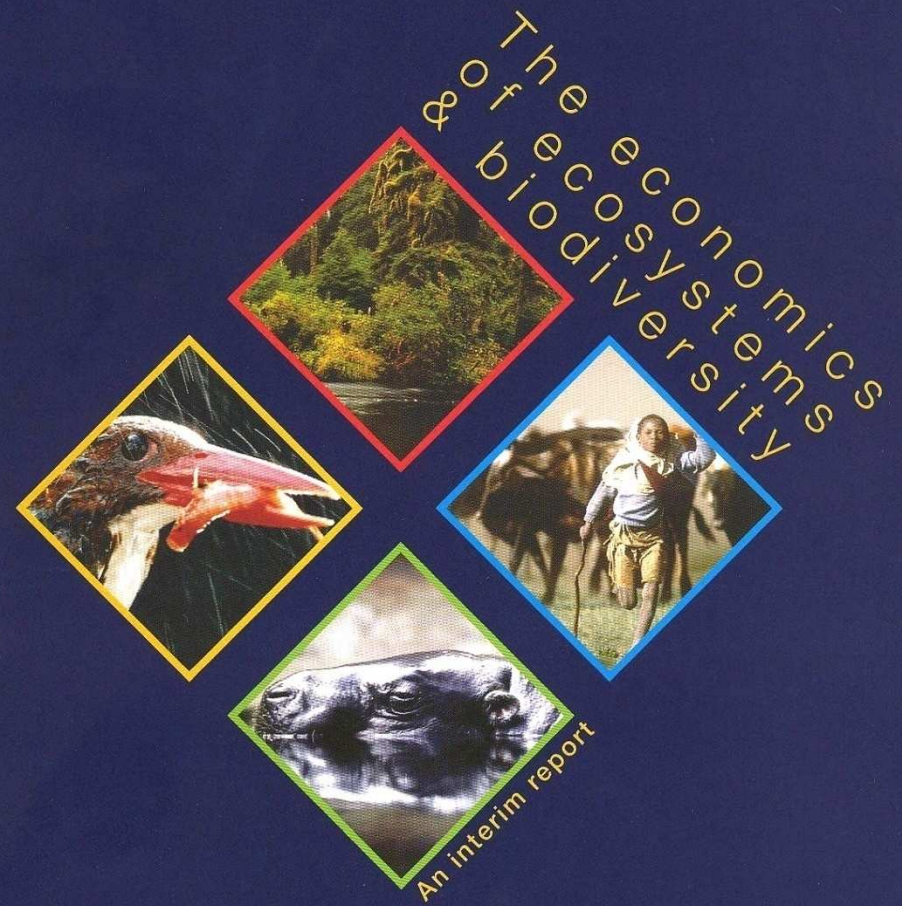
يونيه ٢٠٠٥

New Financial Mechanisms & Initiatives

- Biodiversity in Good Company



New Financial Mechanisms & Initiatives



**Thank
You**

