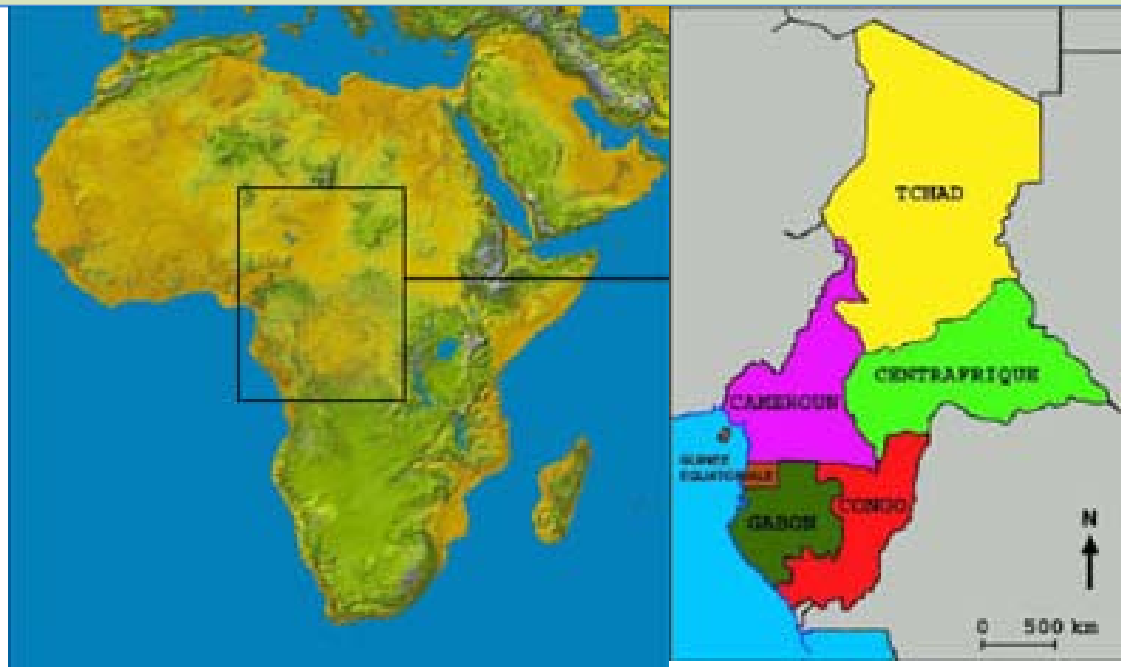


The fifth EDCTP Forum
Arusha, Tanzania, 12-14 October 2009

Health research initiatives in the Central African Region, OCEAC / CEMAC



Presented by Marlyse Peyou Ndi, Ph.D.

Head of the Studies, Planning and training Department

PLAN



I. OCEAC PROFILE

- Missions
- Organization and decision making structures
- Priority themes
- Ongoing projects and programs
- Partners
- Funding

II. RESEARCH

- Malaria research
- Ongoing regional health research initiatives
 1. HIV Drug Resistance Surveillance Network in CA (RESNET)
 2. HIV/AIDS Prevention Project in CA (PPSAC)
 3. Central African Network of excellence on Tuberculosis, AIDS and Malaria (CANTAM)



I. OCEAC PROFILE

Public health specialized institution of the Central African Economic and Monetary Community

- Created in 1963 in Yaoundé by the will of Central African Health Ministers
- Became the public health organization of the Central African Economic and Monetary Community (CEMAC) in 2003

Missions

1. Coordinate policies and health actions
2. Participate in the training of health personnel
3. Coordinate research and the synergy of applied research carried out by national institutions
4. Work in expertise missions in different fields of health sciences
5. Contribute to the promotion of health
6. Bring support in sanitary emergency interventions

Organization and decision making structures

The conference of
Heads of states

The Council of
Ministers (Finances &
Eco.A.)

The board

The General
Secretariat

Country
Representations

Programs and
Research
Department

Studies,
Planning and
training
Department

Administratio
n and finance
Department

Operational
structures

Yaoundé
Research
Institute
IRY

Higher
Education
Public Health
School
CIESPAC

Health
Development
Agency
ADS

6 Priority themes:

HIV, Malaria,
Tuberculosis, African
Human
Trypanosomiasis,
Diseases preventable
by vaccination,
Hemorrhagic fevers
(Ebola)

Partners: TDR, IRD,
CEEAC/ECCAS, NEPAD,
KFW/ Germany, France,
ESP-Nancy, Gabon, AMP,
Cameroon, Congo, WHO,
EDCTP, RBM,...

Ongoing Programs and Projects:

- Initiative for the promotion of Human Resources for Health in CA
- Harmonization of National Pharmaceutical Policies in CA
- African Human Trypanosomiasis
- Malaria
- HIV
- Millennium Development Goals

Funding:

- Member states, + 1% TCI,
- Partners

II. RESEARCH

Malaria Research (IRY)

Entomology, Parasitology, Molecular Biology

1. Biological and genetic characterization of malaria vectors
2. Detection and follow up of vectors' resistance to insecticides
3. Surveillance of therapeutic effectiveness
4. Research on new malaria drugs
5. Biological and genetic characterization of parasites
6. Molecular characterization of lipid metabolism genes in vectors: investigation of their potential role in insecticide resistance

*Ongoing Regional Health research initiatives : 1.RESNET,
2.PPSAC, 3.CANTAM*

1. RESNET: HIV drug resistance (HIVDR) surveillance and monitoring network in Central Africa (OCEAC, WHO, IRD, CRESAR/IMPM,UNAIDS, National laboratories, Ministries of health)

Goal: surveillance of drug resistance in areas where Antiretroviral therapy (ART) is being rapidly scaled-up in order

- to supply information that can help minimizing the development and transmission of drug-resistant viruses
- to assess the effectiveness of first-line regimens used in the area

Methodology: evaluate the prevalence of transmitted HIVDR among recently infected patients in Central African countries using the WHO HIVDR threshold survey with Genotypic HIV drug resistance testing

Results:

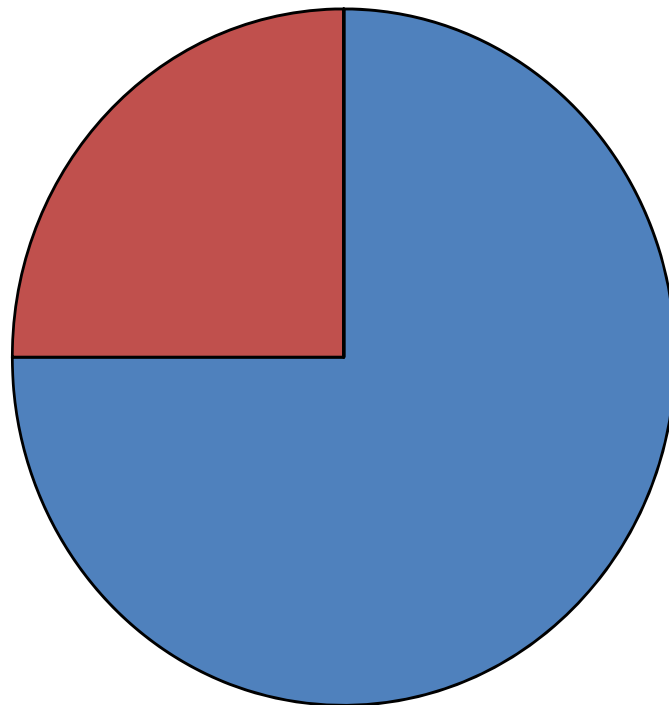
- 1) Our observations in 4 countries (Cameroon, CAR, Chad, Congo) so far stress the urgent need for :
 - continuous training of laboratory personnel or health care workers performing rapid tests for HIV diagnosis
 - implementation of quality control and quality assessment to improve the quality of results obtained by basic HIV tests in health care centers in Africa

- 2) The prevalence of transmitted HIVDR in three areas so far , N'Djamena, Yaoundé and Douala was low (<5%) for PIs and NNRTIs in all 3 sites. In Douala, a moderate prevalence ($\geq 5\%$ and $\leq 15\%$) for NRTIs was obtained

Recommendations: Repeat the study in order to provide more accurate information and recommendations for decision makers on the effectiveness of ongoing ART programs, train HRH, adjust the WHO methodology (expensive, sampling...)

Source of Funding (1st round of studies): 122 000 Euros

OCEAC : 3/4 ; WHO : 1/4



■ OCEAC

■ WHO

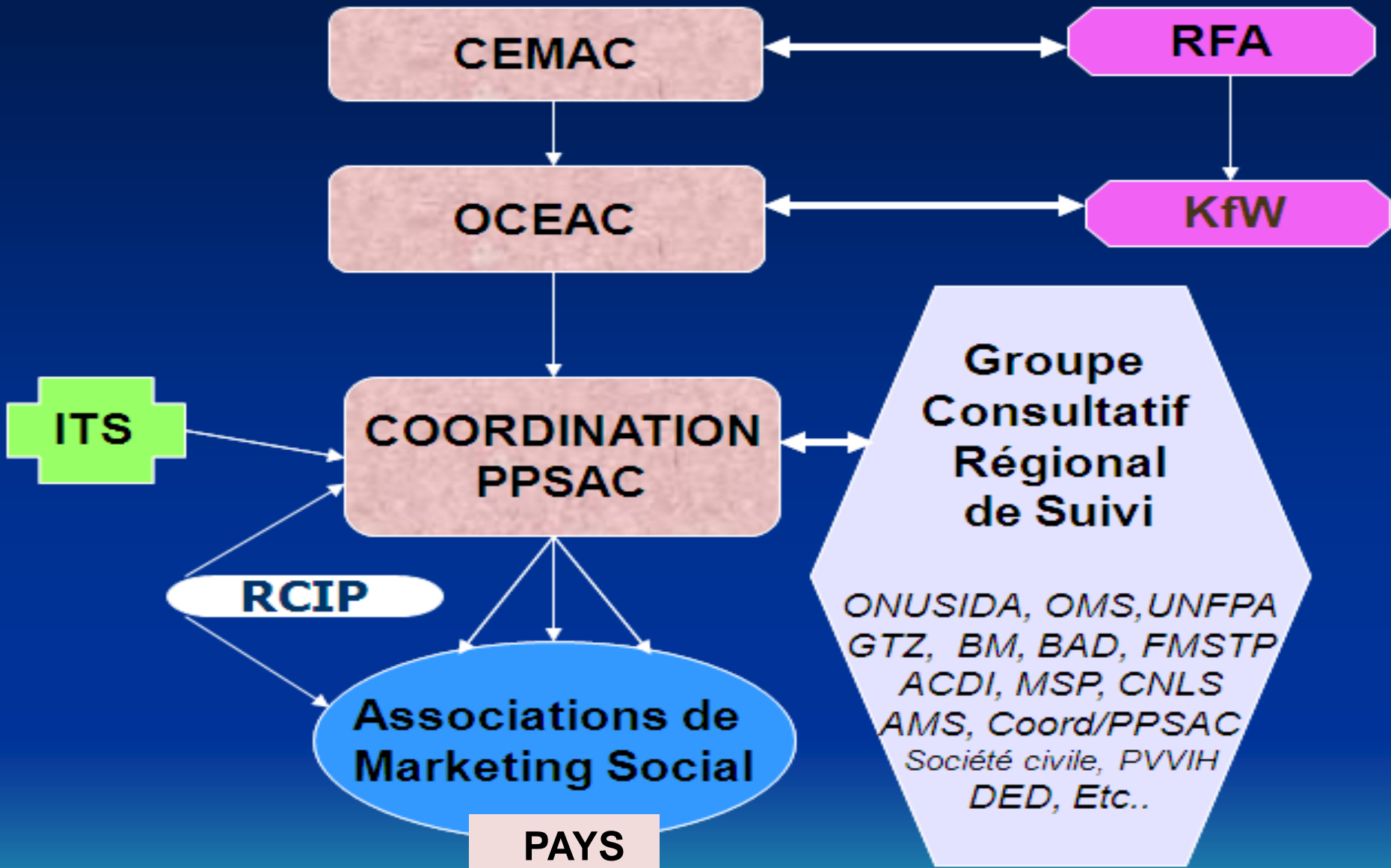
2. HIV/AIDS Prevention Project in CA (PPSAC) Cooperation between Germany and CEMAC

- ❑ Global objective: reduce HIV propagation and reduce discrimination towards PLHIV

- ❑ Project objective: increase condom availability and promote target groups behavior change

- ❑ Goals of the regional approach,
 - ✓ Extend and strengthen national social marketing programs and increase their impact through cross border approaches
 - ✓ Ensure continuous long term effects
 - ✓ Ensure the sustainability of effects and structures

Management and cooperating structures



Developed regional approaches

- Group procurement condoms leading to savings
- Best practice and experience sharing
- Harmonization of Cross border activities and interventions
- Community based strategy to provide a basis for a community response
- Regional approach to universal access to condoms including the development of a sub regional brand for the CEMAC zone (security plus, ongoing)
- **Perform Regional studies and research** (Determinants of Discrimination, facts, images and messages feeding discrimination, CAP...)
- Youth regional forum (FREJES) and an annual excellence CEMAC prize

FUNDING :

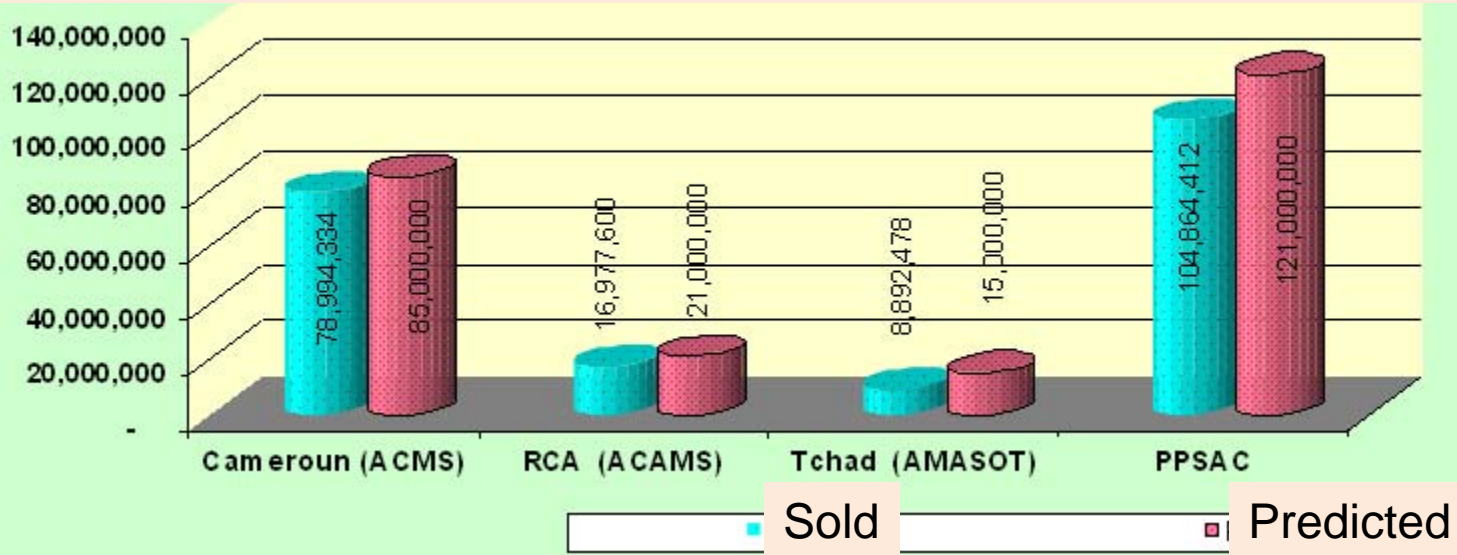
- ❑ Phase I from 2006 to 2008, budget = 10 millions Euros
- 3 countries covered: Cameroon, Chad and CAR
- Targets:
 - Sexually active population,
 - High risk groups: youth, sex workers, truck drivers, migrants...
 - Vulnerable groups: Women , children, etc..

- ❑ Phase II from 2009 to 2012 , budget: 23 millions Euros
- All 6 CEMAC countries covered : Cameroon, Chad, CAR, Congo, Equatorial Guinea, and Gabon

- ❑ TOTAL 23 millions Euros : German Development Bank (KFW)

RESULTS

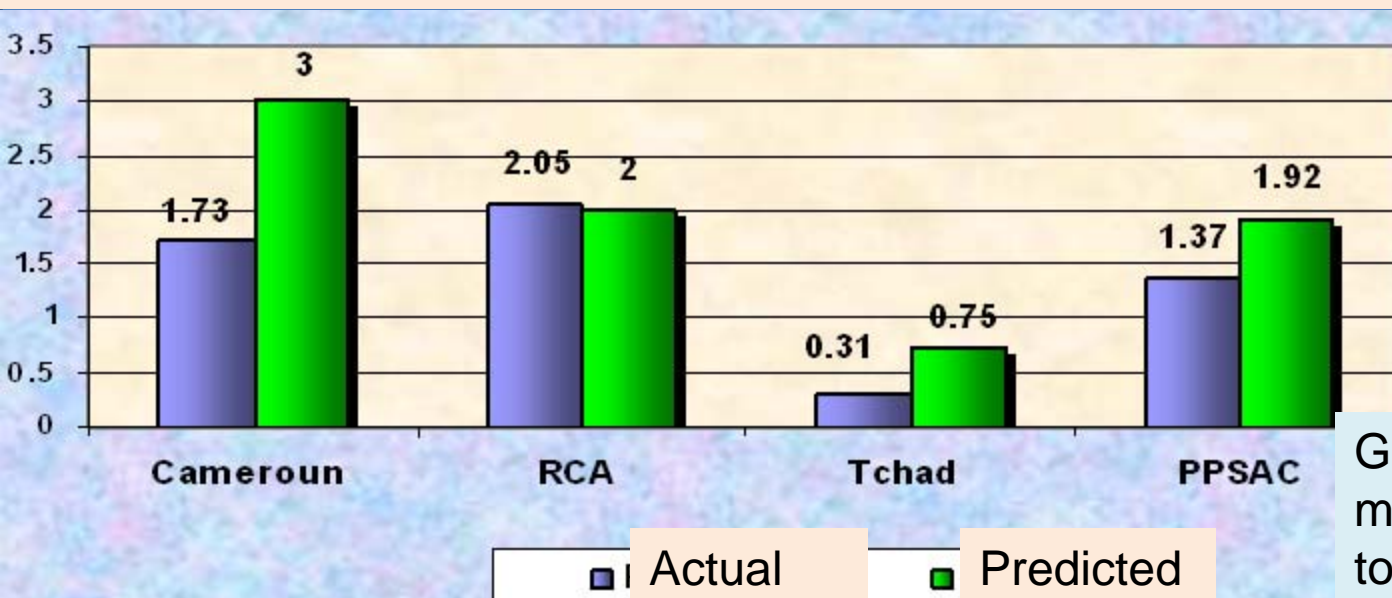
Cumulative sale of condoms (predicted vs amount sold for phase I)



Objective realization rate

- ◆ Cameroun 93%
- ◆ CAR 81%
- ◆ Chad 59%
- ◆ PPSAC 87%

Average consumption per capita per year (CMCTH₂)



Objective realization rate

- ◆ Cameroon = 58%
- ◆ CAR = 103%
- ◆ Chad = 41%
- ◆ PPSAC = 71%

Group procurement of 107 millions condoms leading to 22% savings

Result of CAP survey in 2007

- Accessibility of male condom

◆ 85% of 15 to 24 years said that the male condoms are always available when needed

- Target group satisfaction

◆ Are satisfied after used of male condoms : Cameroon 58%, CAR 52%, and Chad 64,2%

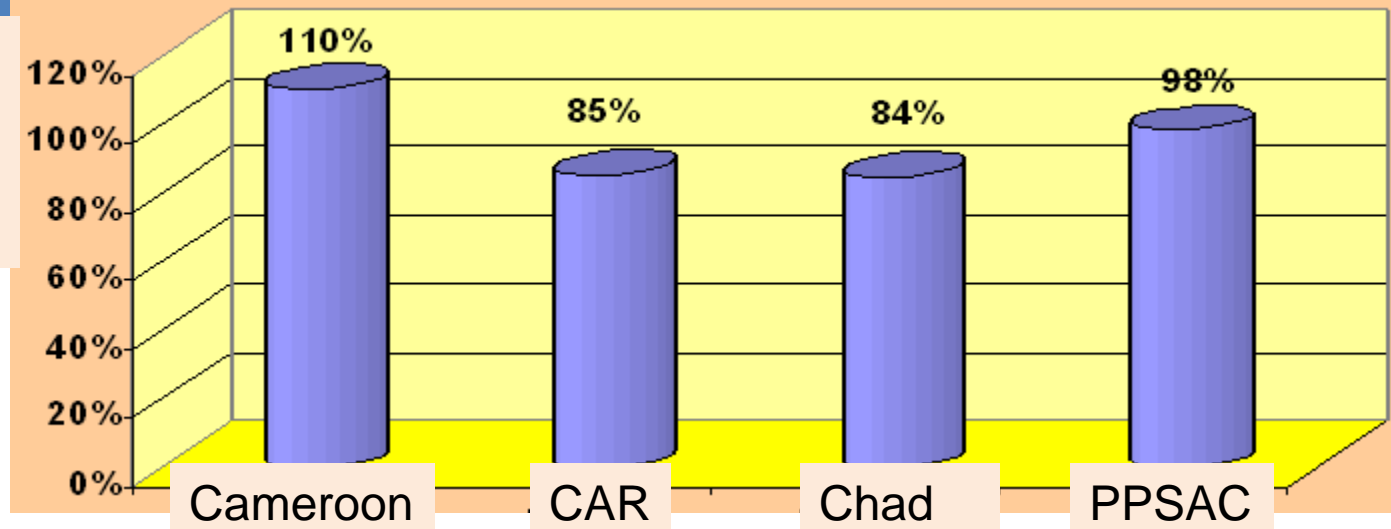
- Reduction of discrimination

◆ Have done and picked up the HIV test results: 35.6% of youths in Cameroon, 19.8% in CAR and 15.8% in Chad

◆ Still less than 30% of youths have a positive attitude towards PLHIV.....

Budget consumption rate

Average : 98 % for phase I



3. Central Africa Network of Excellence in Clinical Research (CANTAM)

Strategic Objectives:

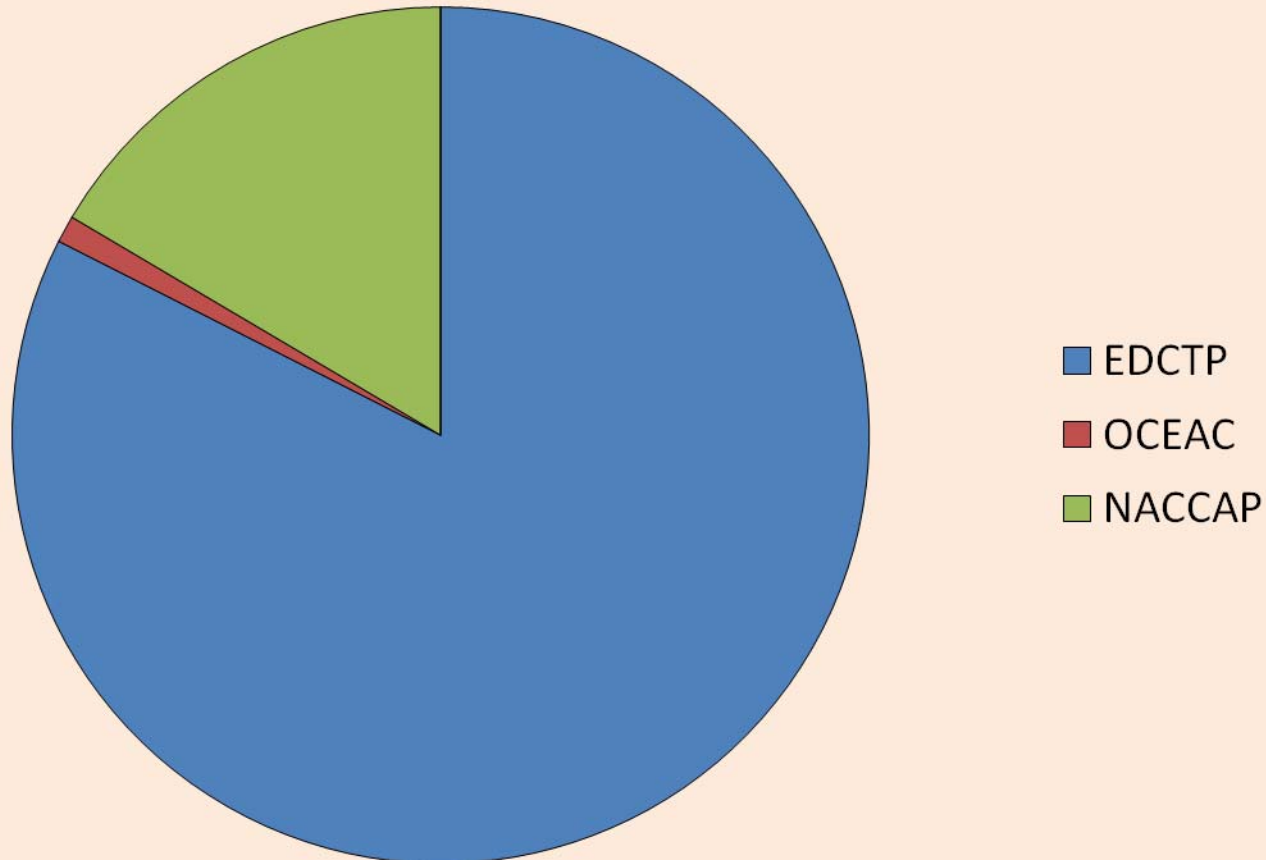
- ❖ Develop human resources in the skills required to conduct safe clinical trials including GCP/GLP training and preparation, development of clinical and standardized protocols from the recruitment of patients to the conduct of clinical trials
- ❖ Strengthen laboratories to be able to perform relevant tests for HIV/AIDS, malaria and TB clinical research
- ❖ Strengthen ethical review boards and regulatory authorities in needy collaborating sites
- ❖ Collect baseline data on future participants in clinical trials

BUDGET

Country	Institutions	Budget (Euros)
Cameroon	University of Buea	289 014
	University of Yaoundé I	425 867
	OCEAC	28 765
	CIRCB	100 943
	Total	844 589
Congo	University Marien Ngouabi	807 398
	CERVE	244 998
	Total	1 052 396
Tanzania	MIM	489 720
	AMANET	130 086
	Total	619 806
Gabon	MRU	168 168
	Total	168 168
Germany	University of Tubingen	282 686
	Total	282 686
TOTAL		2 967 644

Funding:

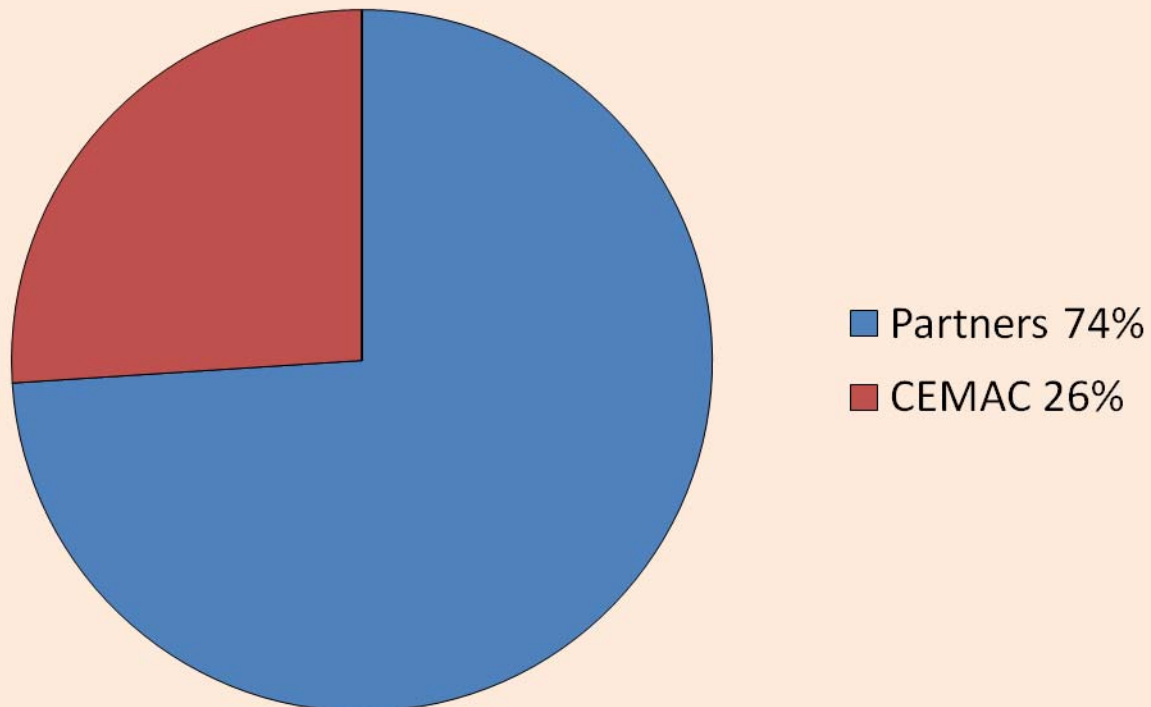
- OCEAC: 31 000 Euros (CANTAM project design)
- EDCTP: 2 500 000 Euros
- NACCAP: ~500 000 Euros



OCEAC Global Budget 2009: 9 561 407 Euros (6 272 282 750 FCFA):

- Partners funding:	7 073 602 Euros
- OCEAC/CEMAC funding:	<u>2 487 805 Euros</u>
- Total:	9 561 407 Euros

OCEAC BUDGET sources of funding 2009



Thank you for your attention!