

Research culture development in Africa: partnership for capacity building

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Outline

1. Introduction
2. CSRS
3. PASRES
4. New Research consortium
5. Supporting research in Africa



Introduction

No country is developed without having invested massively in the knowledge (science & technology).

Scientific research is a sector where the success and the failures contribute to determine the rank of national economies in the world.

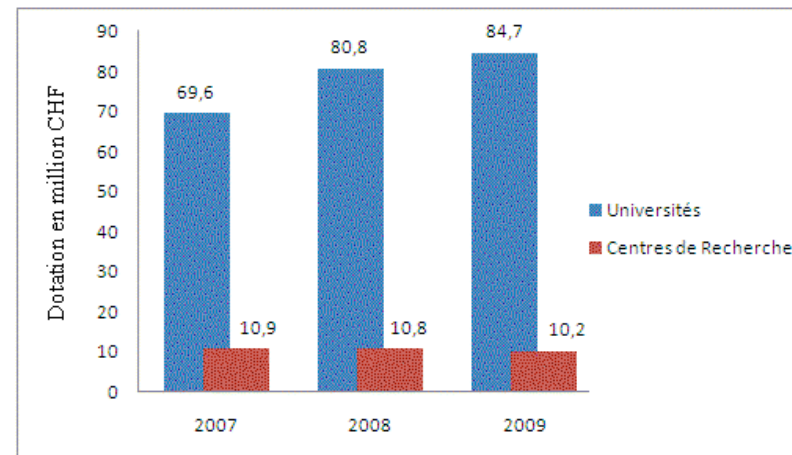
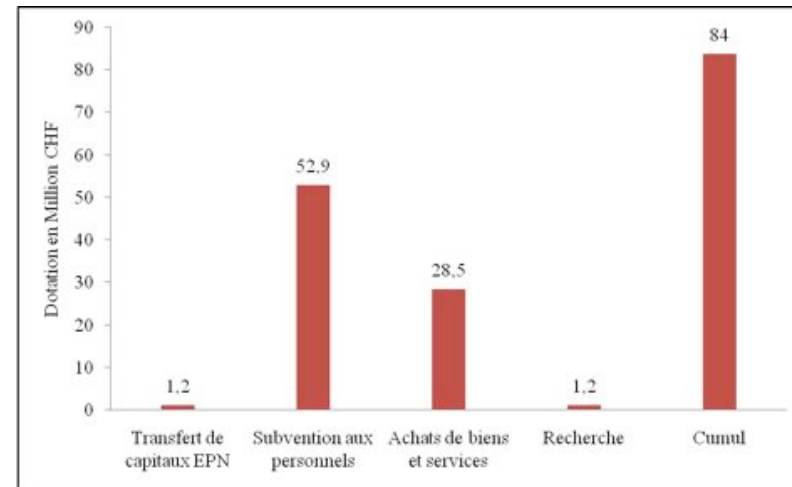
Africans cannot wait exclusively for outside solutions/funds to the problems faced by the continent.

We believe that, while research capacity requires strong institutions, institutional strength only comes through the contributions of talented and committed individuals.



Research funding in Côte d'Ivoire

- Universities/ personnel
- Collaboration Universities and Research Centres



Capacity building/ Research Career

- PostDoctoral fellowship (tradition)
- Career developing options

Critical career transitions	Institutions								
	1	2	3	4	5	6	7	8	9
BSc->MSc	Third most limiting			Third most limiting	Second most limiting			Most limiting	Third most limiting
MSc->PhD	Most limiting	Third most limiting	Third most limiting		Third most limiting	Second most limiting	Third most limiting	Third most limiting	
PhD->PDRF	Second most limiting	Most limiting	Most limiting	Second most limiting	Most limiting	Most limiting	Most limiting	Second most limiting	Second most limiting
PDRF->Permenant		Second most limiting	Second most limiting	Most limiting		Third most limiting	Second most limiting		Most limiting



Most limiting



Second most limiting limiting



Third most limiting limiting



Swiss Center for Scientific Research in Côte d'Ivoire (CSRS)



1951-2007: SCNAT

2007-2009: SER/ MESRS



Strategic plan (2009-2013)

- **Mission** → Initiate, encourage, Support & implement research in partnership
- **Vision** → To be a resource centre and a platform where research serves development
- **Domains** → Research-Training-Services

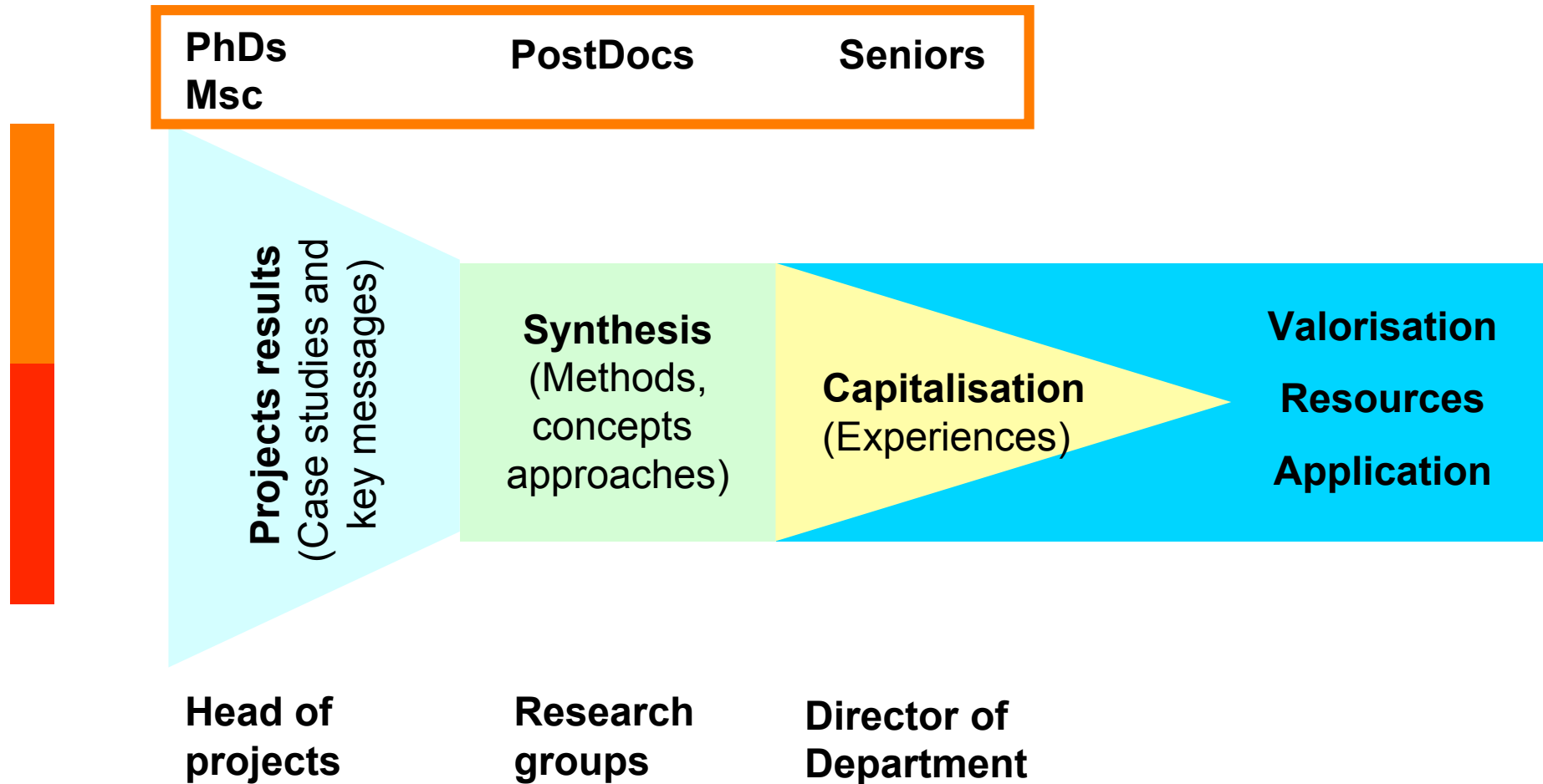


Departments

1. Biodiversity and food security
2. Environment and health
3. Valorization, Resources and Application



System and transformation knowledge



Fund raising strategy

- **Core funding**
 - SER
 - Ivorian Government
 - SCNAT/ CSRS Foundation
- **Programs**
 - Wellcome Trust
 - EU/ IDRC
 - PASRES/ NCCR
 - DSS
- **Research grants/ Overheads**
 - IFS
 - AUF/ BMZ
- **Services**
 - Training
 - Consultancy
 - Research management
- **Private sector**
 - Nestlé
 - Syngenta
 - Vetergaard-Frandsen
- **Partnership**
 - KFPE
 - AUF/ WHO/ FAO
- **Administration support**
- **Msc, PhD, Postdoc fellowships**
- **Training and exchange visits**
- **Conference**
- **Field prospecting/ grant writing**



Strategic Support Program to Scientific Research in Côte d'Ivoire (PASRES)

June 15th, 2007.



Strategic objectives

- **Reduction of extreme poverty and hunger**
- **Improvement of Human Health**
- **Environmental protection and sustainable natural resources management...**



Specific Objectives

- Funding research project and fellowships (Msc. PhD, Postdoc, Seniors)
- Strengthening of training and exchange activities; South-South and North-South
- Strengthening the capacity of research institutions with different supports (infrastructures, equipments, renovations...)
- **Emergence of a National Fund for Scientific Research and Technology (FNRST) in Côte d'Ivoire.**



Core funders

- **The Ministry of Higher Education and Scientific Research of Côte d'Ivoire (MESRS)
→ in kind**
- **The State Secretariat of the Education and Research of the Swiss Confederation (SER)**



Source of funds

The PASRES resources come from the FISDES:

- The PASRES is endowed with a capital of **\$12'000'000**, allocated by the Ivorian-Swiss Fund for economic and social development (FISDES).
- The interests of this capital are estimated at **\$ 720'000** per year, which is used to fund research projects (80%) and management operations (20%).



PASRES Administration

- **Steering Committee (decision-making body)**
 - representatives of the MESRS, the SER, the CSRS, the MEF, the private sector, the scientific community and development partners, is the PASRES.
- **Scientific council (advisory board),**
 - Science and development actors
- **Executive Secretariat, (monitoring body)**
 - composed of an Executive Secretary and his collaborators is the body that oversees PASRES



Eligibility/ beneficiaries

- **Individuals/ research groups (Graduate)**
 - Msc
 - PhD
 - PostDoc/ Research Assistant
 - Senior Researchers/ Lecturers
- **Institutions**
 - Equipment
 - Renovation/ upgrading
- **Non academic sector with impact on poverty alleviation (NGOs)**



Scientific domains

1. Basic/ fondamentale Sciences
2. Engineering and Technology
3. Public health
4. Environment and biodiversity
5. Agriculture and food security
6. Economy
7. Energy
8. Social sciences and humanities
9. Legal Sciences
10. NGOs

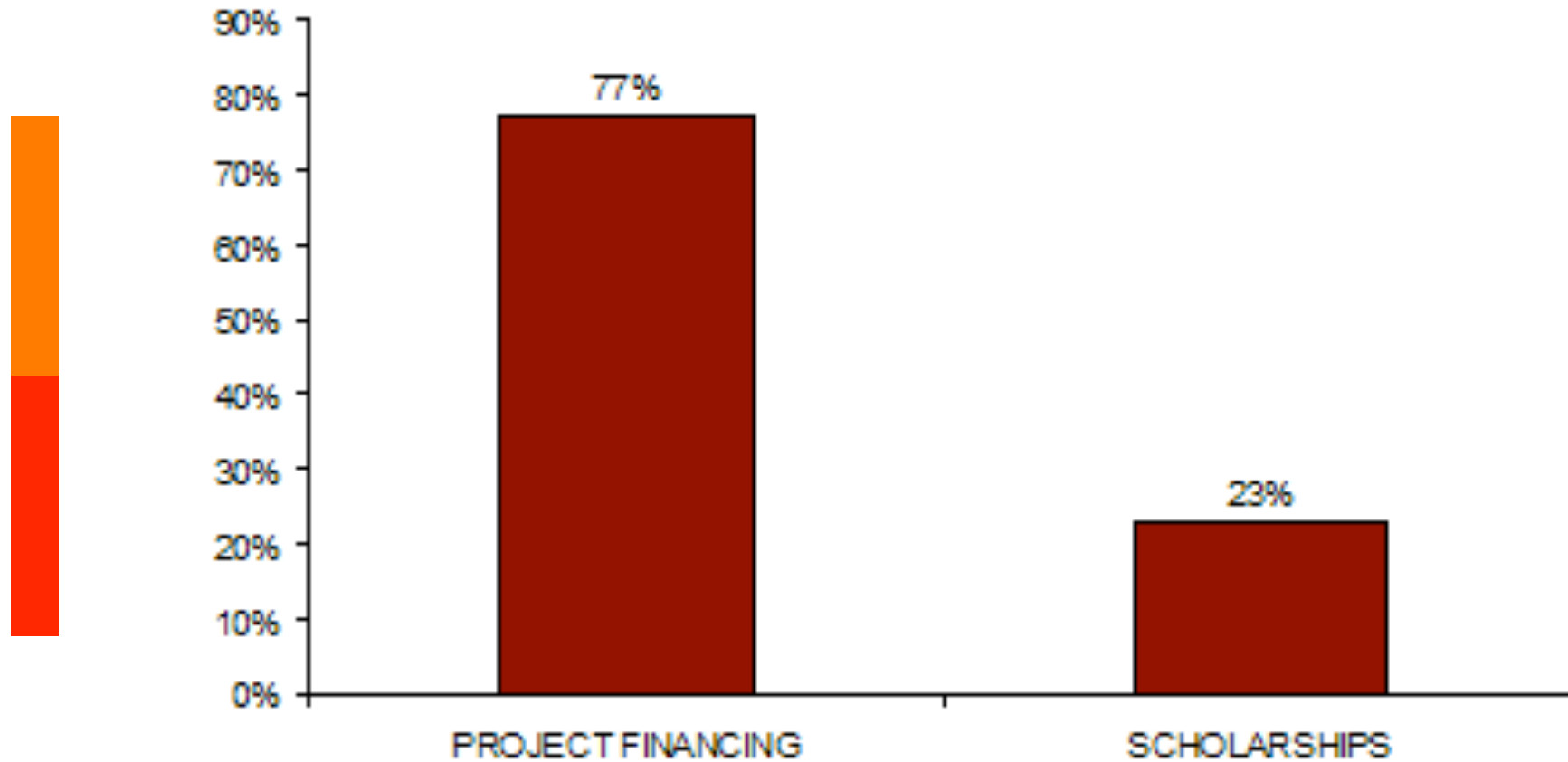


Achievements (2008-2009)

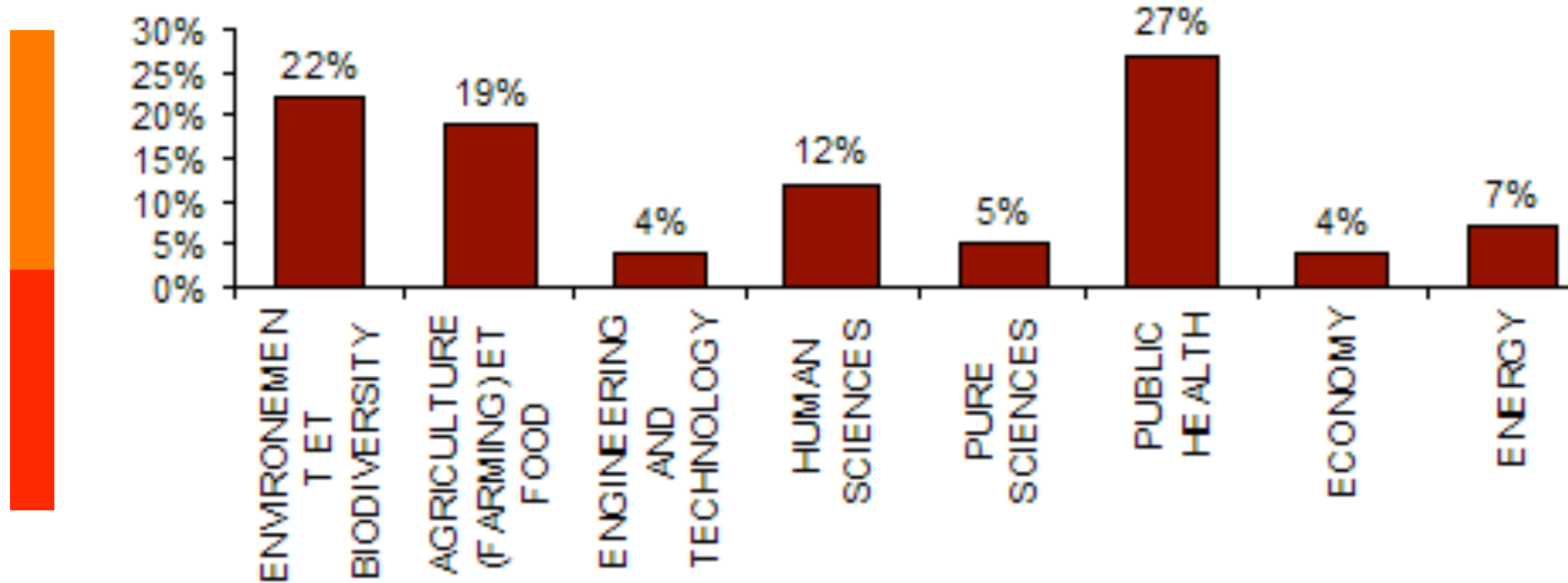
- **2** Calls per year
- **306** project proposals have been received at the PASRES.
- **44** (14%) selected and benefited for a cumulative funding over **\$ 1'400'000**.



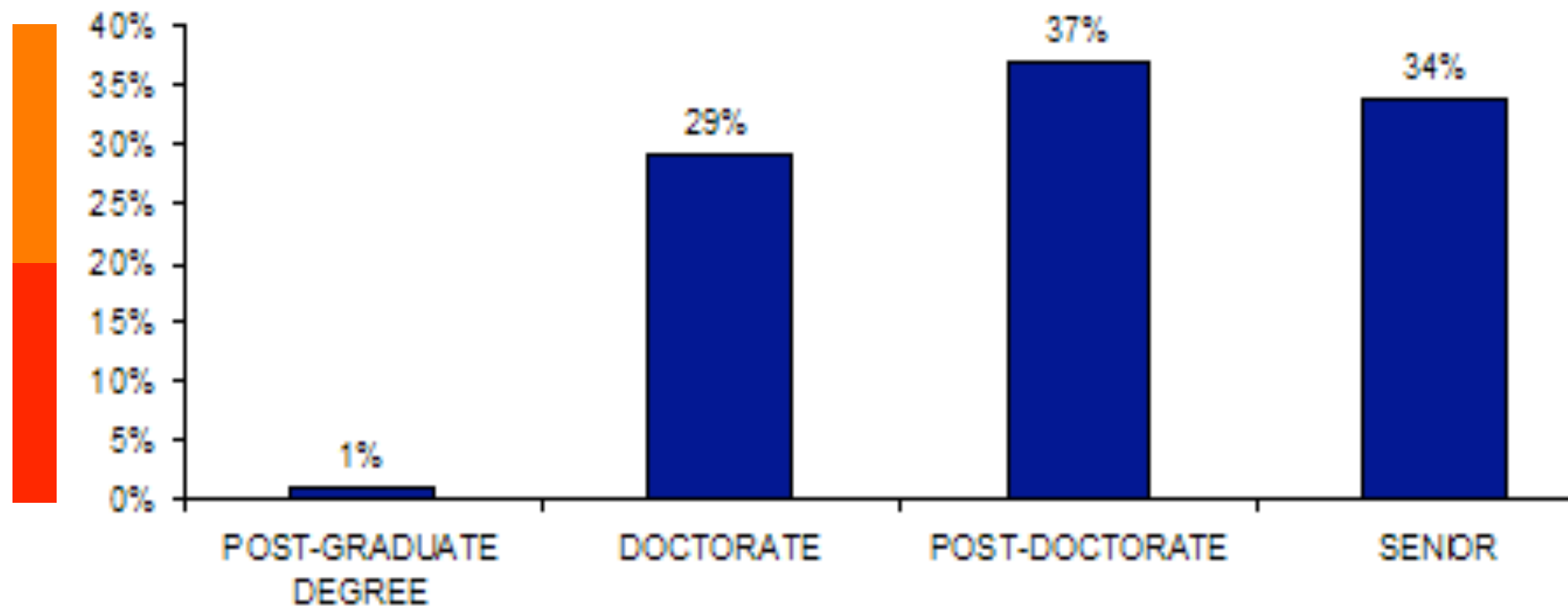
APPORTIONMENT OF THE FINANCING ALLOCATIONS FOR 2008



APPORTIONNEMENT DE PROJET FINANCIER PAR ZONES SCIENTIFIQUES POUR 2008



BUDGET ALLOCATION BY PROJECT TYPE FOR 2008 (%TAGE)

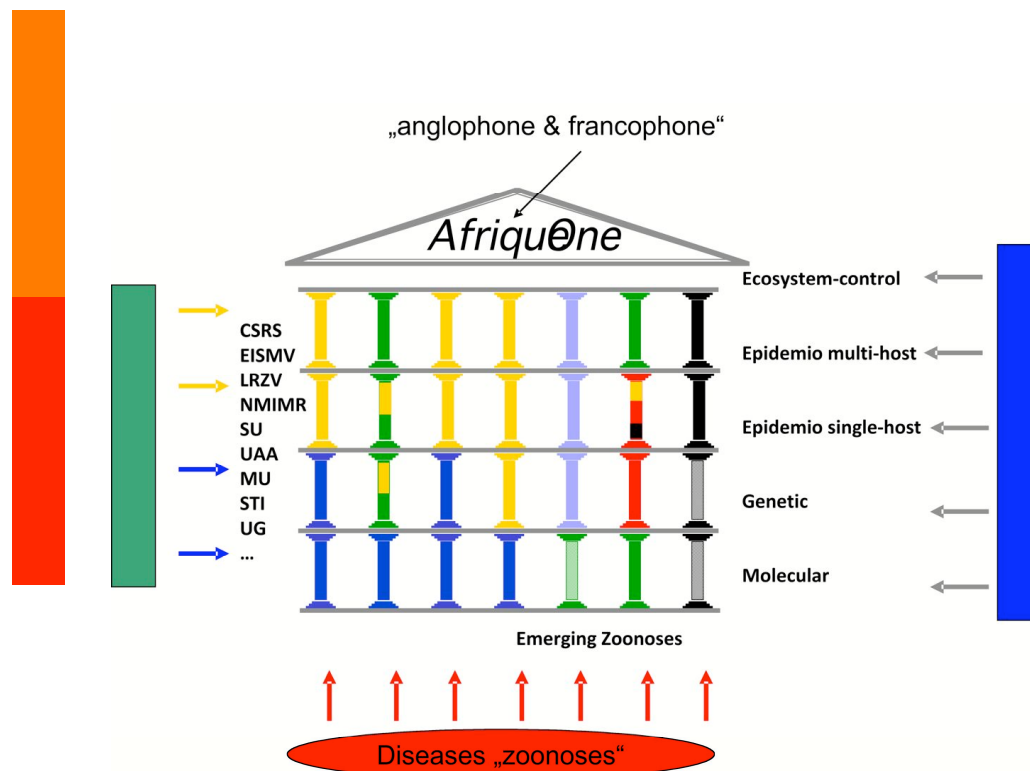


Afrique One



New Initiatives

African Consortium on „Ecosystem and Population Health: *Expanding Frontiers in Health*“



wellcome trust



Individual & institutional capacity building (11 institutions)

- **PostDoc Fellowship Programme (PDF)**
- **Lecturer buy-out in the universities**
- **Training in key areas based on individual and institutional needs**
- **Short term exchange visit (cross-institutions)**
- **Modest infrastructure & equipment support fund**
- **Policy pairing scheme (stakeholder involvement & dialogue)**



Supporting research in Africa



Future challenges

- **Policy**
 - Link Science-Policy-Economy
 - Local funding scheme
 - Promotion of Scientific leadership
- **Partnership (Guidelines KFPE)**
 - Dialogue and negotiation
 - Flexibility and less bureaucratic
 - Trust relation
- **Capacity building**
 - Long term and well funded research projects
 - Research culture/ scientific Entrepreneurship
 - Research Administration
- **Collaboration**
 - Promotion of joint funding scheme in the south
 - Resource sharing
 - Supporting Evaluation process



Support in infrastructure and new technologies

- **Administration support (customer clearance)**
- **Equipment/ consumables**
 - Reagent commodity chain
 - Access to equipment
 - Maintenance
 - Short-term on the job training for lab technician
 - Standard operating procedures & Quality control
- **Mobility fellowship (PASRES, AUF, KFPE ...)**
- **Access to scientific information and adapted technology (south-south collaboration)**



Thanks

