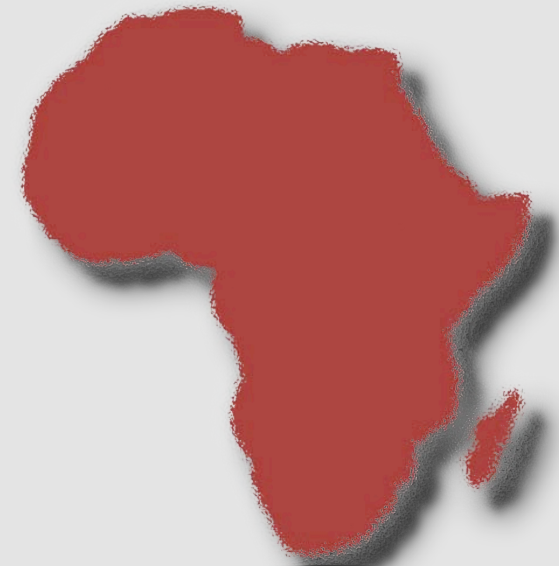
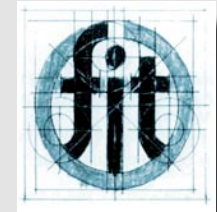




GUNA:

Global University  
Network for Africa,  
a project of  
*FIT, Trieste International  
Foundation for Scientific  
Progress and Freedom*



<http://guna.ictp.it>

*Sergio Carrato  
University of Trieste*



## *GUNA - Preliminary Study*

# GUNA vision and mission

### GUNA VISION

A wide access to knowledge is crucial to education and to sustainable development of the society:

- to increase the knowledge of African universities by encouraging and stepping up the **exchange, production and dissemination of educational information**
- to fight the “**brain drain**” towards the North

### GUNA MISSION

To set up an **adequate communication network** infrastructure among African universities to achieve the following goals:

- prepare **new educational material**
- access up-to-date and **relevant educational information**
- share knowledge and transfer specific skills through **distance teaching**
- make educational **literature readily accessible**
- develop **networks of expertise**





## *GUNA - Preliminary Study*

# Tasks

### **Educational activities**

- local lecturers and scientists trained within the frame of GUNA
- collaboration between African universities
- distance learning

### **Content delivery platform**

Web based system to allow:

- local access to higher education
- scientific knowledge dissemination

**Assessment of the effectiveness of the project**  
throughout all the project



### **VSAT + wireless network**

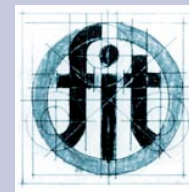
Adequate network

infrastructure in academia:

- key universities connected by satellite links
- terrestrial wireless connections

### **Network personnel training**

- ICT for academy
- VSAT and wireless networking knowledge
- TLC laboratory



# GUNA - Preliminary Study

## Why the “Trieste system”?



1964 (Abdus Salam (Nobel 1979))



2000s



1983

**GUNA**



1987



2009

ICS-  
UNIDO

1990

ICTP  
and developing countries:

- mission: to fight brain drain
- 4000 visiting scientists/year

*SubSaharan Africa:*

- 46 member states
- 5800 visiting scientists since '70

*... and the Universities of Trieste, the synchrotron laboratory, the Area Science Park...*