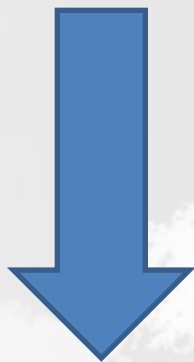


# SWAY4EDU PROJECT

## *Satellite Way for Education*



 Sway4edu  
Satellite way for education

✓ The project was started in January 2012 as a spin off of the original ARTES 3-4 project aimed at supporting the electoral cycles in the Democratic Republic of Congo.

✓ The original project was instrumental in the creation of stable and effective collaboration among several key stakeholders and industrial partners.

✓ Much wider geographical area

✓ More heterogeneous portfolio of services and stakeholders

✓ **New activities covering three main components:**

☐ Rural Radios

☐ Space4Education

☐ Electoral eTraining



## PRIME CONTRACTOR

Openet Technologies S.p.A  
*Italy*



## SUB-CONTRACTOR

SES Broadband Services  
*Luxembourg*

Openet and SES  Service Distribution Agreement

- ✓ SWAY4Edu aims at developing a satellite ICT (Information and Communication Technology) solution to support three main activities contributing to overcome isolation linked to lack of terrestrial infrastructures among different African communities



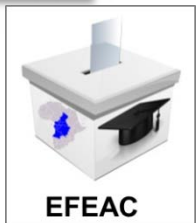
**Rural Radios,** in collaboration with CSDI (*Communication for Sustainable Development Initiative*) project of FAO (*Food and Agriculture Organisation*)

- ✓ Assisted radio services for farmers to support agricultural development in the Democratic Republic of Congo (DRC)



**Space4Edu,** in collaboration with *Rally to Read (South Africa, SA)* and *READ Educational Trust (SA)*

- ✓ eLearning services to support education in rural schools in SA




**Electoral eTraining,** in collaboration with *ECES (BE) (European Centre for Electoral Support)* and *EFEAC (DRC) (Ecole de Formation Electorale en Afrique Centrale)*



- ✓ eTraining services to electoral management bodies of the Economic Community of Central African States (ECCAS) to support their electoral cycle










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Capacity Building




Changement Climatique




Climate change in food security




Collaborative Area



eTR - Renforcement des Capacités

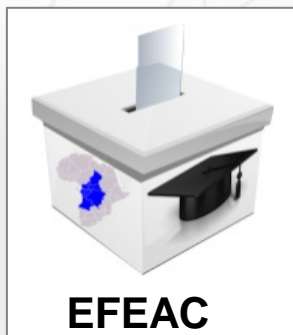


Group Guided Reading



Introduction to Space4edu

## In collaboration with ECES and EFEAC



- ✓ Development and implementation of innovative face-to-face and distance learning services form a cornerstone of ECES' and EFEAC's strategy for increasing local ownership and support the consolidation of democratization.
- ✓ The Electoral Management Bodies of the 10 ECCAS' member states need access to the eTraining modules on electoral assistance and administration to create a core group of local accredited expert facilitators to prepare their own staff and stakeholders throughout the electoral cycle.
- ✓ The training aims to educate electoral administration staff on leadership and conflict management skills in order to prepare staff to deal with electoral related conflict.

- ✓ The services have been operated by Openet through the Ku-Band Sat3Play platform on Astra4A satellite
- ✓ The pilot phase involves 9 Electoral Commissions, with the EFEAC premises (Kinshasa – DRC) and ECES (Brussels, Belgium) as “mother sites”.

| Country                  | N. of Electoral Commissions | Name of location |
|--------------------------|-----------------------------|------------------|
| Angola                   | 1                           | Luanda           |
| Burundi                  | 1                           | Bujumbura        |
| Cameroun                 | 1                           | Yaounde          |
| Central African Republic | 1                           | Bangui           |
| Congo                    | 1                           | Brazzaville      |
| Chad                     | 1                           | N'Djamena        |
| Gabon                    | 1                           | Libreville       |
| Guinée Équatoriale       | 1                           | Malabo           |
| Sao Tomé                 | 1                           | Sao Tomé         |





# Electoral eTraining Installations at Electoral Management Bodies



Electoral Commission, Sao Tomé



Ecole de Formation Electoral, DRC



## Electoral eTraining: Brussels, 18-22 June 2012

- ✓ The first face to face training was instrumental for the production of the 5 modules on LEAD “Leadership and Conflict Management for Electoral Administration”



From the left:

F. Bargiacchi, Executive Director - ECES

V. Gaudiano, CEO – OPENET

R. Aboghe Ella, President of the « Réseau du savoir electoral » - ECCAS

P. S. Athomo N'dong, Chief of “Unité d’Appui Électoral au Secrétariat général » - ECCAS

Abbé A. M. MaluMalu, President - EFEAC



Presidents of EMBs at LEAD face to face training



Isabelle Durant, Vice President European Parliament





Pierre Claver NDAYICARIYE, President of Electoral Commission - Burundi



# Electoral eTraining: 25-29 March workshop in Burundi

- ✓ 2° face to face training on LEAD
- ✓ Delivery of first certifications
- ✓ Presentation of the services for the commercial deployment



## Electoral eTraining workshop in Burundi



EMBs representatives at Training in Burundi



# Electoral eTraining workshop in Burundi



**2ème Programme d'Appui  
de l'Union européenne à la CEEAC en Matière de  
Paix et de Sécurité (PAPS II)**



## Spès-Caritas NDIRONKEYE

*A participé avec succès à la formation*

### Leadership et Gestion des Conflits pour les Acteurs Électoraux (LEAD)

**CERTIFICAT**



**Fabio BARGIACCHI**  
Directeur exécutif

Centre Européen d'Appui aux Processus Électoraux



**Abbé Apollinaire MUHOLONGU MALUMALU**  
Directeur général

Ecole de Formation Électorale en Afrique Centrale



**Pierre Claver NDAYICARIYE**  
Président

Commission Électorale Nationale Indépendante du Burundi

**Réalisé par:**



**En Collaboration Avec:**



**Avec l'Appui de:**





EMBs representatives at Training in Burundi



- ✓ Users enrolled: 70
- ✓ In progress: 30
- ✓ Completed: 21

**Jour 1 : Défis et enjeux du Leadership dans les processus électoraux**

★ Formation en ligne  
Leadership et Gestion des Conflits pour l'Administration Electorale

**JOUR 1** Défis et enjeux du Leadership dans les processus électoraux

Introduction Définir la violence électorale Concepts fondamentaux du Leadership Le Film: « An African Election »

**Définir la violence électorale**

Instructions  
Cliquez sur le bouton « Suivant » pour continuer.

Page 1 of 5 Suivant

- ✓ Transmission of electoral data during election in Burkina Faso in Dec 2012 (SES Contract of 2MEuro with Burkina Faso Government)
- ✓ SADC project “prevent violence during elections”: TLC networking, eBook, eLearning platform and production of documentaries in Sub-Saharan African Countries (ECES contract 1,8 MEuro with European Commission)
- ✓ Completion of the pilot activities by June 2013

## Space4education to support the «Rally to Read» initiative in South Africa

- ✓ *Rural schools in South Africa (SA) are faced with the challenge of an acute shortage of educational resources and qualified teachers. During the past 15 years this problem has been tackled by a unique initiative called “Rally to Read”, that has visited more than 700 schools.*
- ✓ *The visits deliver to the schools books and other educational materials and kick-off the teacher training programme conducted by the non-profit organization READ Educational Trust, in collaboration with the South African Education Department. An ICT (Information and Communication Technology) based education can provide a new complementary step to support the Rally to Read initiative*
- ✓ *The idea for an ESA project was introduced in early October 2011 at the UN/IAF/IAC conference in Cape Town. A meeting with the SA Minister of Science Technology (former Minister of Education) was held, following the interest raised at the conference.*

## Envisaged portfolio of services:

- ✓ eTraining services for local teachers to obtain «teaching certifications»
- ✓ Video conference sessions
- ✓ Light cyber café outside school time



The services has been operated by Openet through the Ku-Band Sat3Play platform on Astra4A satellite. The pilot phase involves 12 pilot schools located in the KwaZulu-Natal region

| Pilot schools |
|---------------|
| 1.Fabeni      |
| 2.Ferdinand   |
| 3.Horse Shoe  |
| 4.Macongco    |
| 5.Muden       |
| 6.Ngome       |
| 7.Nomahaye    |
| 8.Nomfomela   |
| 9.Mkholombe   |
| 10.Ophathe    |
| 11.Thandanani |
| 12. Cecilia   |





# Space4Edu: items installed at Rural Schools in SA



# 18 October 2012: Launch event at Ophathe school



Ophathe school



READ staff introducing the eLearning platform



Teachers and principals from 12 pilot schools attending the event



# 18 October 2012: Launch event at Ophathe school

Projector screen



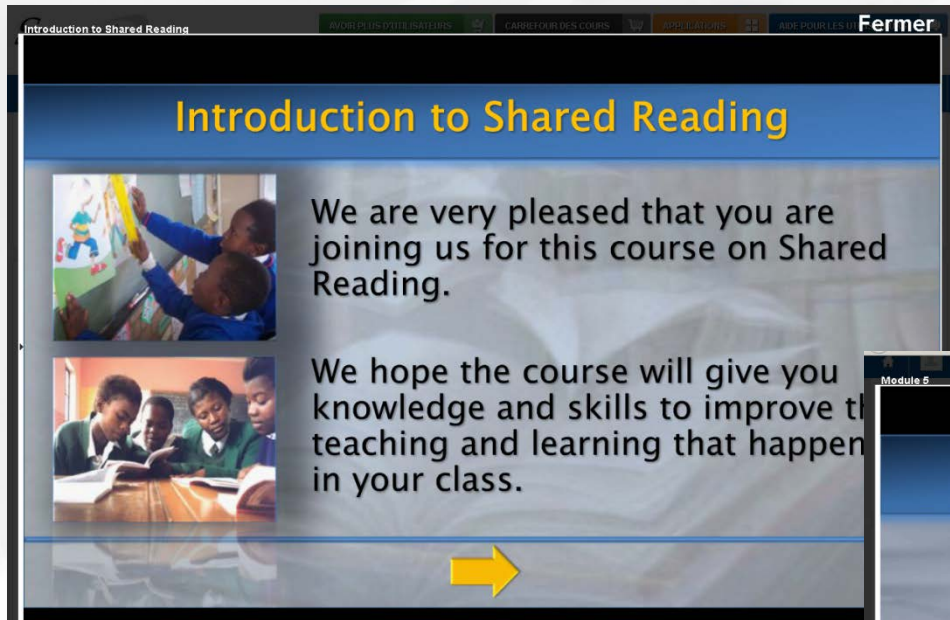
Principal of Muden school in Videoconference with  
ESA-ESTEC (The Netherlands)



Teachers browsing  
Internet via tablets



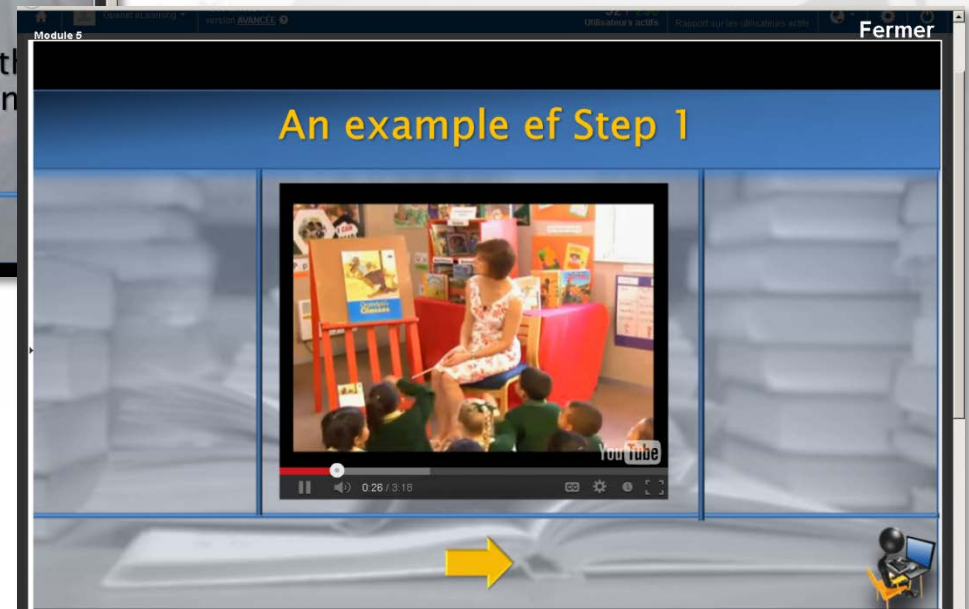
- ✓ Users enrolled: 205
- ✓ In progress: 50



**Introduction to Shared Reading**

We are very pleased that you are joining us for this course on Shared Reading.

We hope the course will give you knowledge and skills to improve the teaching and learning that happens in your class.



**An example of Step 1**

0:26 / 3:18



## Commercial results and next steps

- ✓ Regione Basilicata (Italy): implementation of Smart Schools services in the Basilicata Region (190 kEuro contract with Basilicata Region)
- ✓ Network expansion to additional 12 rural schools in SA by mid 2013
- ✓ Completion of the on-going pilot activities by December 2013
- ✓ On-going discussion with local stakeholders for commercial service extension to 700 rural schools from 2015

## **RURAL RADIOS in collaboration with FAO project named CSDI (Communication for Sustainable Development Initiative).**

- ✓ *Farmers, workers and the population located in remote areas of the Democratic Republic of Congo need access to recommendations and information in favor of food security, climate change and rural subsistence.*

### **Envisaged portfolio of services:**

- ✓ **eTraining services** to train the radio operators via the access to the Openet eTraining platform on three thematic
  - ✓ 1. Climate Change and Food Security
  - ✓ 2. Broadcasting
  - ✓ 3. Participatory approaches
- ✓ **Thematic Programme** to be broadcasted by the rural radios:
  - ✓ Radio emissions produced with the support of local specialized personnel (*local languages*) on climate change impacts on food security and agricultural technologies
  - ✓ Cloud service to share the audio production among the radio stations involved in the pilot

*Collaboration with AMARC (The World Association of Community Radio Broadcasters)*

- ✓ The services has been operated by Openet through the Ku Band (S3P platform on Astra4A satellite). The pilot phase involves 10 rural radios of DRC

| Name  | Location                   |
|---|----------------------------|
| 1. Radio Ntemo                                  | Bas Congo                  |
| 2. Radio VuVuKieto                              | Bas Congo                  |
| 3. Radio RNT                                    | Kinshasa                   |
| 4. Radio Munku                                  | Bankana                    |
| 5. AMARC Radios                                 |                            |
| 5.1 Radio Communautaire du Katanga              | Lubumbashi                 |
| 5.2 Radio Bangu                                 | Kimpese, Bas Congo         |
| 5.3 Radio Fraternité                            | Mbuji Mayi, Kasai Oriental |
| 5.4 Radio Communautaire de Muanda               | Bas Congo                  |
| 5.5 Radio Sauti ya mkaaji                       | Maniema                    |
| 5.6 Radio communautaire Bangu de Bandundu ville | Bandundu                   |





Radio Muanda, DRC





- ✓ Enrolled users: 57
- ✓ In progress: 17
- ✓ Completed: 12


Changement Climatique - premier sous-module

CHANGEMENT CLIMATIQUE ET VARIABILITE DE CLIMA

Définitions du changement climatique

Selon le **GIEC\***, le changement climatique s'entend comme une variation de l'état du climat que l'on peut déceler (par le moyen de tests statistiques) par des modifications de la moyenne et/ou de la variabilité de ses propriétés et qui persiste pendant une longue période, généralement pendant des décennies ou plus. Il se rapporte à tout changement dans le temps, qu'il soit dû à la variabilité naturelle ou humaine.

\* Le Groupe d'experts intergouvernemental sur l'évolution du climat (GIEC) est un organisme intergouvernemental composé de représentants de tous les pays membres de l'ONU.




La Radiodiffusion

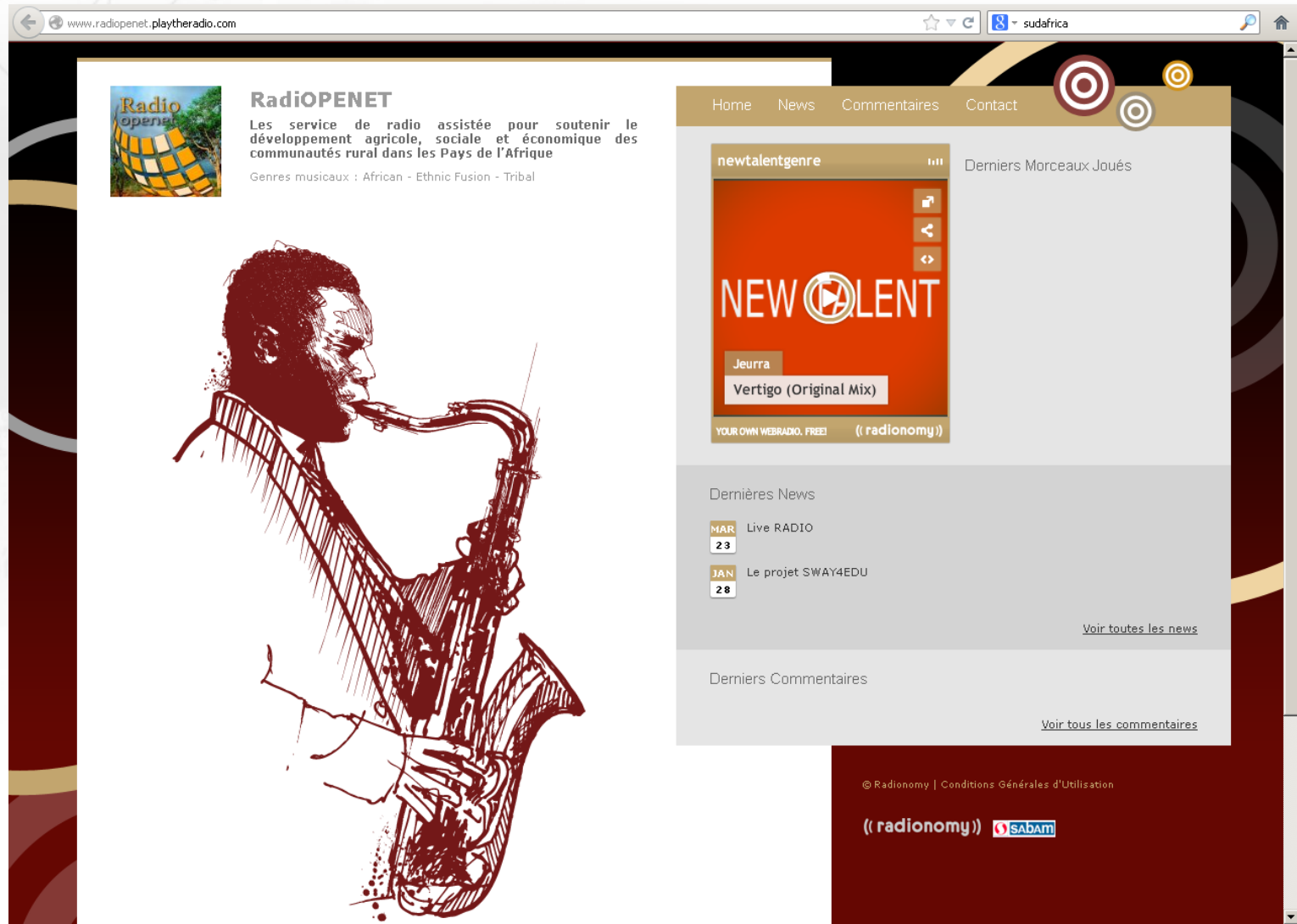
Techniques de traitement de l'Information thématique

**L'information thématique**

- Une information thématique est celle qui est liée à un thème spécifique, tel le cas du changement climatique, de la lutte contre le VIH/Sida ou de l'agriculture. Son traitement peut avoir des pertinences, mais ne s'écarte pas du traitement de l'information générale.
- L'information, info en abrégé, est une nouvelle communiquée par une agence de presse, un journal (de presse écrite), la radio, la télévision (ou l'internet). (LAROUSSE, 2004 : 546). C'est la « nouvelle de l'actualité rapportée par un journaliste de la presse écrite, de la radio ou de la télévision. » (Dictionnaire français Encarta, 2007).
- Par information, il faut également entendre « des faits, des données ou des messages de toutes sortes mis à la disposition du public par la voie de presse écrite ou de la communication audiovisuelle ».




Share the MUSIC !!!!



# Rural Radios: Cloud Application: Share the MUSIC !!!!

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## Radio Openet Streaming



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**Guest (Donat)**

Très bonne initiative! Nous serons connecté. Merci

1 hour ago

**Guest (Jonas Kimbu)**

Bonjour!


Les modules du cours nous intéresse pour le renforcement de nos capacités, mais il y a un peu de souci quant au format de ces cours, nous vous proposons le format PDF car le format actuel ne nous permet pas de garder les archives pour l'avenir.

Jonas Kimbu

### UPCOMING

**SWAY4EDU at Integrated and Telecommunication Applications of ESA**

18-04-2013 [Events FR](#)



Le projet Sway4Edu de OPENET sera présente lors de le works...

[Read more](#)



# First commercial results and next steps

## Broadcast service and cloud applications

- ✓ H@H - Smart Communities for the benefit of citizens: implementation of eHealth Smart Multimedia Communication for Communities (1,4 MEuro)

## Information and communication applications

- ✓ Smart ESPRESSO: 50 kEuro
- ✓ Smart UNDERGROUND: 100 kEuro

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