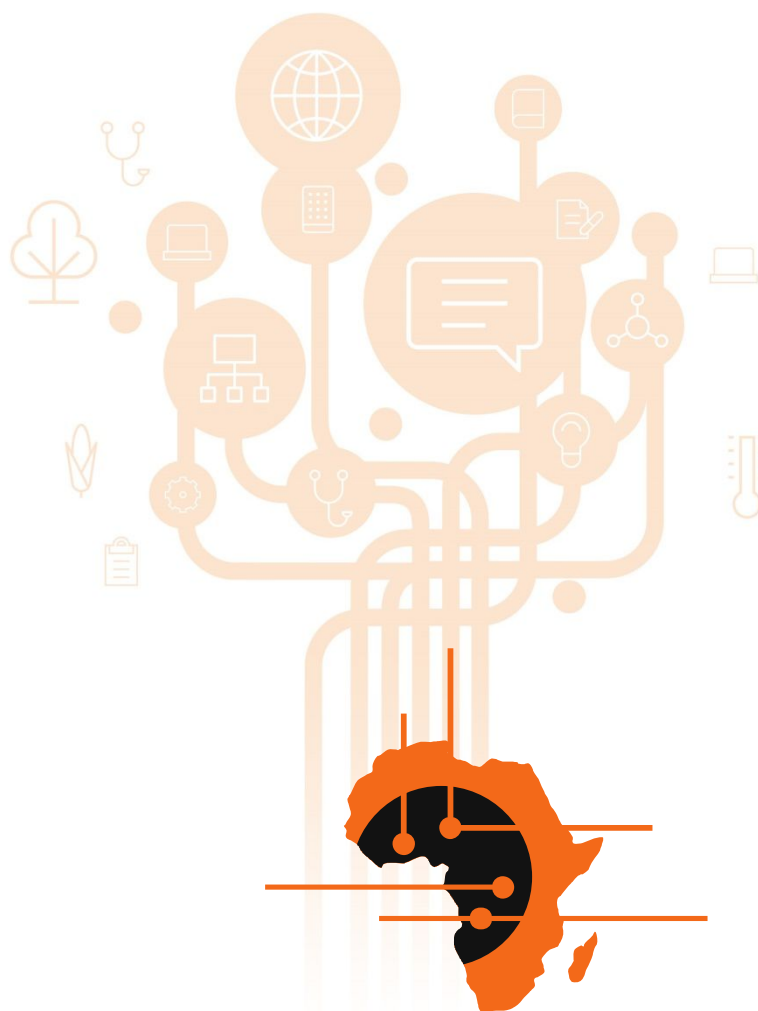




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## D4.2

### Report on the three Community Workshops



**TANDEM**  
TRANSAFRICAN NETWORK DEVELOPMENT

| PROJECT DOCUMENTATION SHEET |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Project Acronym             | : TANDEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Project Officer             | : Enrique Gomez, Unit C.1, DG CONNECT<br>: European Commission                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Consortium partners         | : Institut de Recherche pour le Développement (France) - IRD<br>: The UbuntuNet Alliance for Research and Education Networking (Malawi) - UBUNTUNET<br>: The West and Central African Research and Education Network (Ghana) - WACREN<br>: GÉANT Limited (UK) - GÉANT Ltd<br>: Groupement d'Intérêt Public pour le Réseau National de Communications pour la Technologie, l'Enseignement et la Recherche (France) - RENATER<br>: Centre de Coopération International en Recherche Agronomique pour le Développement (France) - CIRAD<br>: Brunel University London (UK) - BRUNEL<br>: Cooperacion Latinoamericana de Redes Avanzadas (Uruguay) - CLARA |
| Website                     | : <a href="http://www.tandem-wacren.eu">www.tandem-wacren.eu</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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## Glossary / List of acronyms

| ACRONYM | DEFINITION                                                 |
|---------|------------------------------------------------------------|
| FP      | Focal Point                                                |
| iFP     | Institutional Focal Point                                  |
| nFP     | National Focal Point                                       |
| WACREN  | Western and Central African Research and Education Network |
| NREN    | National Research and Education Network                    |
| REN     | Research and Education Network                             |
| RREN    | Regional Research and Education Network                    |



## Introduction

This document, *D4.2 – Report on the three Community Workshops* is a deliverable of the TANDEM project, which is funded by the European Union’s Horizon 2020 Programme under Grant Agreement #654206. TANDEM aims at supporting dialogue between the EU and African Research and Education Networks, with special attention to Western and Central Africa, which at e-Infrastructure level is coordinated by the Western and Central African Research and Education Network (WACREN). The scope of the project is to promote cooperation by exploiting the interconnection between the European research and education network (GÉANT) and the established African regional networks.

D4.2 – Report on the three Community Workshops gives a narration of the organisation, proceedings and outcomes of the three community workshops that were organised by the project. The workshops were held as follows:

- 1<sup>st</sup> Community Workshop, 5<sup>th</sup> November 2015, University of Ghana, Accra, Ghana
- 2<sup>nd</sup> Community Workshop, 16<sup>th</sup> March 2016, Novotel Hotel, Dakar, Senegal
- 3<sup>rd</sup> Community Workshop, 11<sup>th</sup> November 2016, NUC Auditorium, Abuja, Nigeria

The three workshops presented an opportunity for the project to interact with various communities such as Focal Points, NREN Managers and the wider end users in the WACREN region.

The document is structured into 3 sections each reporting on a particular workshop.

# 1. First Community Workshop

## 1.1. Introduction

The first Community Workshop, held in Accra, Ghana was the TANDEM project's first face to face encounter between the Community of Focal Points, which was constituted in September 2015. The aim behind establishing the Focal Points was for them to act as a hub between the TANDEM project, WACREN, the local NREN and end users. The Community workshop provided for an opportunity for the Focal Points to interact with the project team, get to understand the project better, share ideas and to discuss a work plan of activities.

The 1<sup>st</sup> TANDEM Community Workshop was held as part of a cluster of events that were organized by the project on 5-6 November 2015. The primary reason for collocating events was to maximize the presence of participants and also to increase the impact of the events. The other events were: the Meeting of PODWAG (5<sup>th</sup> Nov) and the National Policy Development Workshops (6<sup>th</sup> Nov). The Community Workshop and the Meeting of the PODWAG started with a joint Opening Session and then each went into parallel sessions for the rest of the day.

## 1.2. Acknowledgements & introductory remarks

### **1.2.1. ACKNOWLEDGEMENTS**

---

The TANDEM project wishes to thank the University of Ghana and the Ghanaian Academic and Research Network (GARNET) for hosting the first cluster of TANDEM workshops in Accra, Ghana in November 2015. A word of gratitude also goes to the Library of the University of Ghana for providing the venue for the workshops.

### **1.2.2. INTRODUCTORY REMARKS**

---

The workshop was the first of a series of three community workshops to be organised during the lifetime of the project, giving also the opportunity to have a meeting of the Focal Points of all NRENs in the WACREN region who act as interface between the project and the community of end-users (Ref. Annex 4).

The call for NREN in the WACREN region to nominate Focal Points was sent out in August 2015 and 11 Focal Points were appointed by the NRENs from Benin, Burkina-Faso, Cameroun, Ivory Coast, Gabon, Ghana, Mali, Niger, Nigeria, Senegal and Togo. This also means that each member NREN of WACREN at the point managed to appoint a Focal Point thereby positioning the NRENs

in development to directly benefit from the activities of the TANDEM project. All the Focal Points attended the workshop.

All TANDEM consortium partners also made it to attend the event: IRD, WACREN, UbuntuNet Alliance, GÉANT, RENATER, CIRAD, Brunel University and CLARA.

## 1.3.Objectives & Format

### **1.3.1. EVENT OBJECTIVES**

---

The purpose of the workshop was to provide a face to face platform for the newly appointed Focal Points to know more about the TANDEM project, interact, share ideas and to discuss the draft work plan of activities.

### **1.3.2. EVENT FORMAT**

---

The workshop was organised in the form of presentations followed by discussions. The sessions were very interactive, allowing extensive and lively discussions. The language of communication for the workshop was English, French-speaking participants were encouraged to freely make contributions in French. Bilingual participants volunteered to summarise contributions made in French.

## 1.4.Programme

The Event programme featured a joint Opening Session with the Meeting of the PODWAG, and thereafter the two meetings went into parallel sessions to proceed with their agenda.

### **1.4.1. JOINT OPENING SESSION**

---

The joint opening session was focused included formal welcome speeches from University of Ghana, GARNET and WACREN. Then Dr. Boubakar Barry, CEO of WACREN gave a presentation on WACREN and the African R&E Ecosystem. The session concluded by a presentation on the TANDEM Project by Damien Alline, the Project Coordinator.

## **1.4.2. PRESENTATIONS AND DISCUSSIONS**

---

The parallel session following the joint opening was in form of presentations, each followed by a round of discussion:

- Tiwonge Banda (of UbuntuNet Alliance) gave a presentation on “The Role of Focal Points” (Ref. Annex 4), including the background to the reason why the idea came about. The presentation also included objectives of the Focal Point and how it is expected they would work. The presentation was followed by questions that were primarily seeking clarifications;
- Venant Palanga (of WACREN) gave a presentation of the “Focal Points Workplan, Methodology of work, General schedule; Activities” (Ref. Annex 4). This presentation was based on the initial work plan that WP4 had developed. The presentation gave an opportunity to the Focal Points to critique and provide input to shape the work plan into a workable format;
- Omo Oaya (of WACREN) and Carmen Gloria Labbé (RedCLARA) held a dialogue with the Focal Point for knowing the situation in each NRENs. The Focal Points shared opportunities, threats or perceived difficulties in their countries;
- Anastasia Anagnostou (of Brunel University) gave an overview of “The TANDEM National Research and Education Network Survey.” The presentation first gave a snapshot of the results of the survey; then took the Focal Points into a live session with the questionnaire to familiarise them with the questions so that they should be able to help respondents back home. The Focal Points observed that the survey was too long and ways were discussed on how to resolve this;
- Carmen-Gloria Labbe (of RedCLARA) took the Focal Points through a demo of Colaboratorio, The Virtual Collaboration Platform, showcasing its tools and use. At the end of the demo, the Focal Points were shown the WACREN Colaboratorio (community.wacren.net) and each was asked to complete the online registration process with WACREN’s Identity Provider and use the credentials to join the Focal Points Community on the Colaboratorio. The Focal Points successfully completed this;
- The Focal Points then discussed a list of activities to be done in the following months leading to the next workshop planned for March 2016. The activities were as follows:
  - Collecting responses to the TANDEM survey
  - Identifying the end users and the meeting with the NRENs and WACREN
  - Organising meetings with representatives of end users, distribution groups to gather the needs of end users
  - Identification of relevant events organised within the community
  - Establishment of a list of on-going research projects or research

- The Focal Points agreed to be having regular meetings held electronically via Colaboratorio's web conferencing platform, VC Espresso.

## 1.5. Event participation, promotion and dissemination

### **1.5.1. ATTENDANCE**

---

The workshop was attended by end-users of the GARNET community, representative of NRENs in the WACREN region who act as Focal Points for the project, and representatives of members of the project consortium. In total, 58 participants attended the community workshop.

For a list of participants, see Annex 1.

### **1.5.2. EVENT PROMOTION AND DISSEMINATION**

---

The event was mostly promoted through GARNET to get participation of end-users in Ghanaian higher education and research institutions. Both the TANDEM and WACREN websites also published news articles promoting the event. The Community Workshop gave the opportunity to inform about the project and to hand out marketing materials (flyers on TANDEM and posters on the TANDEM survey). Each of the Focal Points was provided with 100+ posters for the promotion of the TANDEM survey in their various countries.

## 1.6. Workshop conclusions

The Community Workshop was successfully held in Accra, Ghana as the first interaction of the project partners with the Focal Points. The Workshop gave an opportunity for the Focal Points to:

- understand the TANDEM project and its activities
- discuss and understand their role as the hub between the project, WACREN, their home NREN and the end users
- provide feedback into the draft workplan that was initially developed by the project partners
- discuss the TANDEM survey on end-user needs and develop strategies to get as many lecturers and researchers as possible participate in the survey
- manipulate the WACREN collaborative platform (community.wacren.net), register accounts with the WACREN OpenIdP, and create the Focal Points Community

## 2. Second Community Workshop

### 2.1. Introduction

The second workshop was held as a fringe event to the annual WACREN conference on the 16<sup>th</sup> of March 2016 in Dakar, Senegal. It was embedded in a day long TANDEM event together with the national and regional workshops and lasted two hours (<https://indico.wacren.net/event/24>).

### 2.2. Acknowledgements and introductory remarks

#### **2.2.1. ACKNOWLEDGEMENTS**

---

The TANDEM project wishes to express its sincere thanks to WACREN for organizing the second workshop during their annual conference in Dakar. Co-locating the workshop with this conference offered the project the best opportunity to present its current status and gather participants.

#### **2.2.2. INTRODUCTORY REMARKS**

---

The workshop is the second of a series of three community workshops to be organised during the lifetime of the project, giving also the opportunity to have a meeting of the Focal Points of all NRENs in the WACREN region who act as interface between the project and the community of end-users.

Almost all TANDEM consortium partners could make it to attend the event: IRD, WACREN, UbuntuNet Alliance, GÉANT, RENATER, CIRAD, Brunel University and CLARA. SIGMA was the only partner not represented, for reasons we only learnt later.

### 2.3. Objectives & Format

#### **2.3.1. EVENT OBJECTIVES**

---

The main objective of the workshop was to inform the community of end-users about the project and encourage them to be actively involved in the project activities. The WACREN Focal Point Network focused on the difficulties the Focal Points encounter to play their role and how to improve the strategy.

### **2.3.2. EVENT FORMAT**

---

The two-hour workshop was chaired by Ms. Carmen Gloria Labbé (RedCLARA), Dr. Eyouléki T. G. Venant PALANGA (WACREN) and Mr. Chris Rohrer (UbuntuNet Alliance).

It was organised in the form of an introduction to and general overview of the Focal Points by the community leader. This was followed by activity reports given by the individual Focal Points. The event was wrapped up by a Question/Answer session.

The session was very interactive, allowing extensive and lively discussions. The workshop language was either English or French, instantly translated by two translators. Participants volunteered to report.

## **2.4. Programme**

### **2.4.1. OVERVIEW OF FOCAL POINTS – VENANT PALANGA**

---

After the formal opening of the session, the coordinator of the Focal Points, *Dr. Eyouléki T. G. Venant PALANGA* is taking the floor. He points out the reason and the concepts behind the creation of the Focal Points. He then continues with a report on the status of the activities that were defined in the first workshop:

- The TANDEM dissemination has been done, the contacts with WACREN and national RENs were established;
- The survey collecting the requirements of the End Users has been completed and is currently being evaluated;
- The contact information database is not yet finished, it is facing some internal and external resistance, as further explained below.

A revised version of the work plan was presented (Ref. Annex 4). It was decided to:

- Continue the awareness actions;
- Participate at scientific events as much as possible;
- Strengthen the collaboration between the NREN managers and the FPs further.

### **2.4.2. INDIVIDUAL REPORTS ON ACTIVITIES – FOCAL POINTS**

---

Reports were given by the following Focal Points:

Daouda MEITE (Ivory Coast); Gilles KOUNOU (Benin); Ibourahima KEITA (Mali); Hans Melaine GWET BI KONA (Cameroon); Ali HAMADOU (Niger); Laide OLANLOKUN (Nigeria); Emmanuel TOGO (Ghana); Maïssa MBAYE (Senegal); Ousmane Balira KONFE (Gabon).

The main focus of all FPs was on the promotion of the survey with the aim to collect as many responses from their respective countries as possible. This was done by electronic (Mailing Lists, Website Links), physical (Poster, Leaflets) as well as personal (Presentation, Meetings, Visits) means.

#### **2.4.3. DISCUSSION ON CHALLENGES, OPPORTUNITIES, SUPPORT & RESOURCES**

---

It was reported that the survey itself was received positively. The only critical thing was the length of it. This led to some participants terminating the survey prematurely with incomplete responses.

Regarding the collection of contact information to be fed into the user database, concerns were raised regarding the privacy of this information. This is not necessarily a legal question – although some countries do have laws that restrict this kind of data collection -, there is also resistance from the universities and research institutions to provide this information.

### **2.5. Event participation, promotion and dissemination**

#### **2.5.1. ATTENDANCE**

---

The workshop was attended by end-users of the WACREN community, representative of NRENs in the WACREN region who act as Focal Points for the project, and representatives of members of the project consortium.

In total, 90 participants attended the workshop. The full list of attendees can be found in Annex 2.

#### **2.5.2. EVENT PROMOTION AND DISSEMINATION**

---

The event was mostly promoted through Wacren conference and it gave the opportunity to inform about the project and to hand out marketing materials (flyers on TANDEM).

### **2.6. Workshop conclusions**

Most of the Focal Points of all NRENs members of WACREN participated in the workshop. There was an opportunity to discuss on the results of the survey, the contents of the End User database and the role of the NREN Focal Points (Ref. Annex 4).



It was noted that the survey is quite long, strategies were developed to get as many lecturers and researchers as possible participate in the survey. University of Brunel will provide a solution that will reduce the amount of incomplete responses.

It was noted as well to consolidate awareness, and to participate as much as possible in scientific events.

Regarding the database, it was noted that a clear allocation of responsibilities is needed. The request going out to the institutions needs to contain information about who will be responsible for this database, where it will be stored and who (and under what circumstances) will be given access to the content.

It was assured that the database should not contain the personal details of the researchers, but rather focus on gathering information about their scientific area and the topics they work on.

The Focal Points mentioned that since Tandem initial budget did not include their activities, they get not no means to take in charge their expenses and have to deal with the travel or fees related to their tasks. This situation is very challenging, both for the Focal Points and for the sustainability of the project and it must be taken into account in the near future.

It was decided to make this workshop public as many actors from Africa were present (like the other RRENS: GEANT, ASREN and UBUNTUNET ALLIANCE) which could benefit from returns of experience. It was actually for ASREN and UBUNTUNET ALLIANCE the opportunity to figure out the Focal Point activities, their constructive impact, and their helpful involvement to liaise with Wacren actions. In light of the vivid Tandem Focal Point experience, they intend to replicate such a network in their own running.

## 3. Third Community & PODWAG Workshop

### 3.1. Introduction

The third and final workshop was held in Abuja, Nigeria. Because of the withdrawal of the project partner Sigma and the consequential freeze on the funding, it had to be postponed on short notice from its original date on 6<sup>th</sup> of October to the 11<sup>th</sup> of November (<https://indico.wacren.net/event/36/page/2>).

The workshop was co-located with the national workshop for Nigeria, which took place the day before. Unfortunately, a third planned event - targeting an audience interested in eHealth and telemedicine - had to be cancelled because of a financial blockage generated by one partner termination. An interesting workshop such as a telemedicine event had also been considered, but the constraining above mentioned circumstances and have not permit its organization.

Despite this hurdle and the limited financial resources that remained for this workshop, it was attended by 6 members of the PODWAG as well as 5 Focal Points.

### 3.2. Acknowledgements and introductory remarks

#### **3.2.1. ACKNOWLEDGEMENTS**

---

The TANDEM project wishes to thank the Nigerian Research and Education Network NgREN for organising this workshop together with WACREN. A word of gratitude also goes out to the NUC (National Universities Commission) for hosting the workshop at their premises.

#### **3.2.2. INTRODUCTORY REMARKS**

---

The decision of which Focal Points to invite to this event was taken by looking at how engaged and active they have been in the last few months. While some Focal Points have become inactive, others have continued their good work.

Not all members of the TANDEM consortium managed to attend the event, some because of travel warnings in their respective countries, other because of a lack of funds. The following partners were represented: IRD, CIRAD, WACREN, RedCLARA, Brunel University and UbuntuNet Alliance.

### 3.3.Objectives & Format

#### **3.3.1. EVENT OBJECTIVES**

---

The second workshop brought the Focal Points and the NREN managers together in one room. The objective of the first part of this event was to raise awareness for the Focal Points and their activities among the members of PODWAG and vice versa.

In a second part, a closed meeting the Focal Points and the representatives from the project was held. This vessel was to be used by the Focal Points to report on their activities over the last few month as well as for the TANDEM members to present the concept of the institutional Focal Points (iFP). In the wrap-up all participants should agree on the way forward for the reminder of the project.

#### **3.3.2. EVENT FORMAT**

---

It was decided that this time participation will be by invitation only in order to encourage everyone to speak freely. Literally all participants sat around the big board room table allowing for direct conversation among themselves.

The language of communication was English, while the natively French speaking participants were encouraged to make their contributions in their mother tongue. As all participants had a basic knowledge of both languages, translation was only provided on request.

### 3.4.Programme

The workshop was facilitated by Venant Palanga, Chris Rohrer, Carmen Gloria Labbe, Boubakar Barry and Damien Alline. In a first part, the ideas and concepts behind the two communities were presented. The activities of the two groups were reported by their respective leaders.

In the second part, a model of how to build virtual communities was introduced. A final open discussion was kick-started with some ideas how to make the concept of these two communities sustainable

#### **3.4.1. REPORT ON ACTIVITIES OF FOCAL POINTS – VENANT PALANGA**

---

The speaker introduces the concept of the Focal Points and their role. They are the hub between the NREN and the end users. The activities conducted by the Focal Points as well as some of the challenges faced in their first year of existence were presented. The work plan for year 2 (Ref. Annex 4) highlights how the projects plans to address these challenges.

### **3.4.2. REPORT ON ACTIVITIES OF PODWAG – BARRY BOUBAKAR**

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The speaker is the CEO of WACREN and the coordinator of the PODWAG community. He structured his report into three parts: Policy, Regulatory and Financial Issues. The most relevant topics in all of these aspects were highlighted as well as the key players and their stand.

For a more thorough report on the activities of this community as well as their road map, please consult Deliverable 4.3.

### **3.4.3. BUILDING VIRTUAL COMMUNITIES: A MODEL – CARMEN GLORIA LABBE**

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The speaker is in charge of the community building in the TANDEM project.

All efforts to build new communities within the food security as well as among research communities turned out to be unfruitful. This struggle is not only apparent in the TANDEM project, but also in similar sister projects.

It was therefore decided to change the focus of the community incubation task. Instead of targeting specific research communities, we'll establish Institutional Focal Points (iFP) at the universities and research institutions. As they are embedded within the institutions, we expect them to have more direct connections to the researcher than the national Focal Points, thereby allowing them to play the role of NREN evangelist more efficiently.

Again, a more detailed report on this model can be found in Deliverable 4.3 about the Focal Point community.

### **3.4.4. BEYOND TANDEM: HOW TO SUSTAIN PODWAG AND THE FOCAL POINTS CONCEPT – OMO OAIYA & BOUBAKAR BARRY**

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This was a brainstorming session. Boubakar Barry emphasised the value and usefulness of the FPs and assured the full commitment of WACREN in the establishment of the iFPs.

The idea of hierarchical communities with the national and institutional FPs should also be adapted for the PODWAG. This regional body could be broken down to the national level. National PODWAGs bringing together the big players within a country is likely to have good effects.

## 3.5. Event Participation, Promotion & Dissemination

### 3.5.1. ATTENDANCE

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As this workshop was by invitation only, the total number of participants was a lot less than at the previous two meetings. The 19 participants represented about equally the Focal Point and PODWAG community as well as the TANDEM project.

A complete list of the participants can be found in Annex 3.

### 3.5.2. EVENT PROMOTION AND DISSEMINATION

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This being a private workshop, there was no need to do promotion publically. The limited resources didn't allow the project to invite all PODWAG and Focal Point members. The Focal Points were chosen based on their grade of activity in the months following up to the event. With the PODWAG, it was a self-funding invitation. This explains the over-representation from PODWAG members based in Nigeria. This local focus was partly deliberate as it was the aim of the complete event – together with the national workshop the day before – to promote the activities done by the Regional and National REN among the universities in Nigeria.

The outcomes of the workshop were distributed among all members of the Focal Points community through the WACREN collaborative platform in the form of meeting minutes and action items.

## 3.6. Workshop conclusions

The major outcome of the workshop is the adoption of the 'Institutional Focal Points (iFP)' model. Having it found difficult to recruit new communities among the researchers from within the project, we expect that the iFPs being closer to the scientists will be more successful.

It was agreed that the contact with the universities needs to establish through the NREN CEO. If the FP is writing the letter, then the university will not respond. This letter - ideally to the president of the university - should ask for a name from their institutions to contact regarding the setup of the iFP. Tasking the NREN CEOs with the dissemination of the letter hopefully has the added benefit of animating the CEO to take over more responsibility for their Focal Points. Once the iFPs has been identified, the nFP will organise a workshop for them. The aim of these workshops is to brief the iFPs on the role they are asked to play and thereby hopefully bootstrap FP communities on national level (Ref. Annex 4).

## ANNEX 1

### List of Participants – First Workshop

| #  | <i>Participants</i>  | <i>Institution</i>                                       | <i>Country</i> |
|----|----------------------|----------------------------------------------------------|----------------|
| 1  | Eugène C. Ezin       | Ministère de l'Enseignement Supérieur et de la Recherche | Bénin          |
| 2  | Gilles Kounou        | RerBenin                                                 | Bénin          |
| 3  | Didier Bassole       | FasoREN                                                  | Burkina Faso   |
| 4  | Bi Kona Hans Gwet    | RIC                                                      | Cameroun       |
| 5  | Maurice Tchuente     | University of Buea                                       | Cameroun       |
| 6  | Carmen Gloria Labbé  | CLARA                                                    | Chile          |
| 7  | Daouda Meite         | RITER                                                    | Côte d'Ivoire  |
| 8  | Joël Sor             | CIRAD                                                    | France         |
| 9  | Philippe Granier     | CIRAD                                                    | France         |
| 10 | Agnès Carbon         | IRD                                                      | France         |
| 11 | Damien Aline         | IRD                                                      | France         |
| 12 | Michel Labadie       | IRD                                                      | France         |
| 13 | Sabine Jaume         | RENATER                                                  | France         |
| 14 | Balira Ousmane Konfe | GabonREN                                                 | Gabon          |
| 15 | Augustin Frimpong    | AIMS Ghana                                               | Ghana          |
| 16 | Emmanuel K. Essel    | AIMS Ghana                                               | Ghana          |
| 17 | Evelyn Arthur Anto   | AIMS Ghana                                               | Ghana          |
| 18 | Ato Yawson           | Ashesi University College                                | Ghana          |
| 19 | Nina Chachu          | Ashesi University College                                | Ghana          |
| 20 | Charles Annoh        | Central University College                               | Ghana          |
| 21 | Joel K. Appiah       | Central University College                               | Ghana          |
| 22 | Joseph Marfo-Gyimah  | Central University College                               | Ghana          |
| 23 | Justice Djokoto      | Central University College                               | Ghana          |
| 24 | Samuel Asare Ampafo  | Central University College                               | Ghana          |
| 25 | E. K. Ofou           | CSIR                                                     | Ghana          |

|    |                       |                                                          |         |
|----|-----------------------|----------------------------------------------------------|---------|
| 26 | Benjamin Eshun        | GARNET                                                   | Ghana   |
| 27 | Derek Obuobi          | Globacom                                                 | Ghana   |
| 28 | Joseph Odoi           | Globacom                                                 | Ghana   |
| 29 | Michael Poh           | MainOne                                                  | Ghana   |
| 30 | E. Obeng Adjei        | UHAS                                                     | Ghana   |
| 31 | John K. E. Edumadze   | University of Cape Coast                                 | Ghana   |
| 32 | Emelia Nartey         | University of Ghana                                      | Ghana   |
| 33 | Francis K. Boachie    | University of Ghana                                      | Ghana   |
| 34 | Lucas Chigabatia      | University of Ghana                                      | Ghana   |
| 35 | Mary Acquah           | University of Ghana                                      | Ghana   |
| 36 | Patrick K. Arthur     | University of Ghana                                      | Ghana   |
| 37 | Solomon Asante Dartey | University of Ghana                                      | Ghana   |
| 38 | Sunu Solomon Kwame    | University of Ghana                                      | Ghana   |
| 39 | Emmanuel K. Eshun     | University of Mines and Technology, Tarkwa               | Ghana   |
| 40 | Felix Larbi Aryeh     | University of Mines and Technology, Tarkwa               | Ghana   |
| 41 | Ezekiel Okoe          | Valley View University                                   | Ghana   |
| 42 | Boubakar Barry        | WACREN                                                   | Ghana   |
| 43 | Nii N. Quaynor        | WACREN                                                   | Ghana   |
| 44 | Omo Oaiya             | WACREN                                                   | Ghana   |
| 45 | Gerald Forkuor        | WASCAL                                                   | Ghana   |
| 46 | Mavis Ampah           | World Bank                                               | Ghana   |
| 47 | Tiwonge Banda         | UbuntuNet Alliance                                       | Malawi  |
| 48 | Ibourahima Keita      | MaliREN                                                  | Mali    |
| 49 | Modibo Sangare        | MRTC                                                     | Mali    |
| 50 | Ali Hamadou           | NigerREN                                                 | Niger   |
| 51 | Claude Akotegno       | ECOWAS                                                   | Nigeria |
| 52 | Laide Olanlokun       | NgREN                                                    | Nigeria |
| 53 | Maïssa Mbaye          | snRER                                                    | Sénégal |
| 54 | Ama Dzifa Gameti      | Ministère de l'Enseignement Supérieur et de la Recherche | Togo    |

|    |                         |                   |      |
|----|-------------------------|-------------------|------|
| 55 | Barerem Melgueba<br>Mao | TogoRER           | Togo |
| 56 | Eyouleki T. G. Palanga  | TogoRER           | Togo |
| 57 | Anastasia Anagnostou    | Brunel University | UK   |
| 58 | Thomas Fryer            | GÉANT             | UK   |



## ANNEX 2

### List of Participants – Second Workshop

| Name                 | Affiliation                 | Country       |
|----------------------|-----------------------------|---------------|
| Damien ALLINE        | IRD – TANDEM Project Leader | France        |
| Nii QUAYNOR          | WACREN                      | Ghana         |
| Boubakar BARRY       | WACREN CEO – TANDEM         | Ghana         |
| Ibrahima NIANG       | snRER                       | Senegal       |
| Wei SUN              | Howard University           | US            |
| Heather FLANAGAN     | NSRC                        | US            |
| Lucy LYNCH           | NSRC                        | US            |
| Anna SAINÉ           | NSRC                        | Gambia        |
| Cathrin STOVER       | GÉANT                       | Spain         |
| Khoudia GUEYE        | snRER                       | Senegal       |
| Dewalt UYS           | XON Systems                 | South Africa  |
| Carmen LABBE         | RedCLARA – TANDEM           | Chile         |
| Jacqueline SIGNORINI | IRD                         | France        |
| Manadou AGNE         | DSI/UTHies                  | Senegal       |
| Mouhamdou DIOUF      | DSI/UTHies                  | Senegal       |
| Tarkolo MILLER       | Liberian University         | Liberia       |
| Alain AINA           | WACREN                      | Togo          |
| Joshua ATAH          | NgREN                       | Nigeria       |
| Soulymane OUNTANAGA  | INDHB                       | Cote d'Ivoire |
| Alex CORENTHIN       | ESP/UCAD                    | Senegal       |
| Gilles KOUNOU        | RerBenin                    | Benin         |
| Jules DEGILA         | RerBenin                    | Benin         |
| Pamela ABBOTT        | Brunel University - TANDEM  | UK            |
| Omo OAJYA            | WACREN – TANDEM             | Nigeria       |
| Bjorn PEHRSON        | KTH                         | Sweden        |

|                      |                                                                   |               |
|----------------------|-------------------------------------------------------------------|---------------|
| Mamadou MAR          | CFAO Technologies                                                 | Senegal       |
| Sammy SAHNOUNE       | IRD                                                               | France        |
| Nodumo DHLAMINI      | AAU                                                               | Ghana         |
| Yousef TORMAN        | ASREN                                                             | Jordan        |
| Margereth GFRERER    | ESC                                                               | Ethiopia      |
| Ama Dzifa GAMETI     | Ministère de l'Enseignement Supérieur et de la Recherche – PODWAG | Togo          |
| Eugene C. EZIN       | Université d'Abomey-Calavi                                        | Benin         |
| Joël SOR             | CIRAD - TANDEM                                                    | France        |
| Massamba SECK        | UADB/snRER                                                        | Senegal       |
| Abdoulaye DEME       | LSAP/UGB                                                          | Senegal       |
| Tiwonge BANDA        | UbuntuNet Alliance – TANDEM                                       | Malawi        |
| Benjamin ESHUN       | GARNET                                                            | Ghana         |
| Laide OLANLOKUN      | NgREN/NUC – Focal Point                                           | Nigeria       |
| Chris WHALEN         | NIAID/NIH                                                         | US            |
| Sidy SOUMANE         | Mali ICER                                                         | Mali          |
| Jean-Luc CHOTTE      | IRd/SREC                                                          | France        |
| Frederique NEIGNEY   | IRD/SREC                                                          | Senegal       |
| Abdoulaye DEME       | LSAO/LIGB                                                         | Senegal       |
| Amelina ARNAUD       | AUF/TogoRER                                                       | Togo          |
| Ousmane KONFE BALIRA | I.A.I Siege/GabonREN                                              | Gabon         |
| Ousmane LY           | MaliREN                                                           | Mali          |
| Ibourahima KEITA     | MaliREN                                                           | Mali          |
| Demba COULIBALY      | MaliREN                                                           | Mali          |
| Modibo SANGERE       | FIYOS/USTTB Mali                                                  | Mali          |
| Daouda METTE         | RITER                                                             | Cote d'Ivoire |
| Moussa BARAGE        | Universite AM de Niamey                                           | Niger         |
| Ali HAMADOU          | Niger-REN – Focal Point                                           | Niger         |
| Ibrahim ALIO SANDA   | Niger_REN                                                         | Niger         |
| Bonny KHUNGA         | ZAMREN                                                            | Zambia        |

|                         |                                          |               |
|-------------------------|------------------------------------------|---------------|
| Phil MATTHEWS           | GÉANT                                    | UK            |
| Michael FAVORODE        | Committee of Vice Chancellors of Nigeria | Nigeria       |
| Chris ROHRER            | UbuntuNet Alliance – TANDME              | Malawi        |
| Edem PEDANOU            | WASCAL – CoC                             | Burkina Faso  |
| Dah DIENG               | Université Gaston Berger des St. Louis   | Senegal       |
| Donna OTI               | CEI                                      | US            |
| Sabine JAUME            | RENATER – TANDEM                         | France        |
| Michel LABADIE          | IRD                                      | France        |
| Pascal HOBA             | UbuntuNet Alliance                       | Malawi        |
| Pierre Claver B. TRAORE | USTT Bamako                              | Mali          |
| Bakay CISSE             | MaliREN                                  | Mali          |
| Abdoulaye TRAORE        | MaliREN                                  | Mali          |
| Tiemoman KONE           | RITER                                    | Cote d'Ivoire |
| Thomas DJOTIO           | University of Yaounde                    | Cameroon      |
| Thomas SONGU            | Njala University                         | Sierra Leone  |
| Venant PALANGA          | TogoRER/WACREN – Focal Point Coordinator | Togo          |
| Gwet Bi KONA            | RIC                                      | Cameroon      |
| Maissa MBAYE            | snRER – Focal Point                      | Senegal       |
| Philippe GRANIER        | CIRAD – TANDEM                           | France        |
| Jean-Francois GUEZOU    | Renater                                  | France        |
| Agnés CARBON            | IRD – TANDEM                             | France        |
| Emmanuel BARRY          | UEMOA                                    | Burkina Faso  |
| Traore ISSA             | TITER                                    | Cote d'Ivoire |
| Emmanuel TOGO           | University of Ghana/GARNET               | Ghana         |
| Hannu TENHUNEN          | KTH                                      | Sweden        |
| Adewale AJAO            | Obafemi Awolowo University               | Nigeria       |
| Gbenga JEGEDE           | Obafemi Awolowo University               | Nigeria       |
| Muritala AYOOLA         | Obafemi Awolowo University               | Nigeria       |
| Marion ADEBIYI          | Covenant University                      | Nigeria       |
| Iseoma Adaku NWAUKWU    | University of Jos                        | Nigeria       |

|                      |                          |          |
|----------------------|--------------------------|----------|
| Yves EMVUDU          | RIC                      | Cameroon |
| Charles Onuwa UWADIA | Eko-Konnnect             | Nigeria  |
| Roberto BARBERA      | UniCT                    | Italy    |
| Marie Hélène MBALLO  | IFCAD/UADB               | Senegal  |
| Etienne SARR         | Centre Régional AGROXMET | Niger    |
| Julius FOBIL         | University of Ghana      | Ghana    |

## ANNEX 3

### List of Participants – Third Community Workshop

| Name                  | Affiliation                                                          | Country      |
|-----------------------|----------------------------------------------------------------------|--------------|
| Didier BASSOLE        | FasoREN - Focal Point                                                | Burkina Faso |
| Ibourahima KEITA      | MaliREN - Focal Point                                                | Mali         |
| Boubakar BARRY        | WACREN                                                               | Ghana        |
| Damien ALLINE         | IRD - TANDEM                                                         | France       |
| Ali HAMADOU           | NigerREN - Focal Point                                               | Niger        |
| Omo OAIYA             | WACREN - TANDEM                                                      | Nigeria      |
| Venant E.T.G. PALANGA | TogoRER - Focal Point Coordinator                                    | Togo         |
| Ama Dzifa GAMETI      | Ministère de l'Enseignement Supérieur<br>et de la Recherche - PODWAG | Togo         |
| Pamela ABBOTT         | Brunel University - TANDEM                                           | UK           |
| Carmen LABBE          | RedCLARA - TANDEM                                                    | Chile        |
| Modibo SANGARE        | MRTC/FIYOS/USTTB - PODWAG                                            | Mali         |
| Maisse MBAYE          | snRER/UOB – Focal Point                                              | Senegal      |
| Mohammed SANI         | MainOne – PODWAG                                                     | Nigeria      |
| Tega AGOFURE          | GLOBACOM – PODWAG                                                    | Nigeria      |
| Mohammed GIMBA        | MainOne – PODWAG                                                     | Nigeria      |
| Indraneel CHATTERJEE  | GLO ONE – PODWAG                                                     | Nigeria      |
| Laide OLANLOKUN       | NgREN/NUC – Focal Point                                              | Nigeria      |
| Chris ROHRER          | UbuntuNet Alliance – TANDEM                                          | Malawi       |
| Philippe GRANIER      | CIRAD – TANDEM                                                       | France       |

## ANNEX 4

# Focal Points Work Plan

### 1- Definition of a Focal Point

In the context of the WACREN community, a Focal Point (FP) is a person who is tasked by the regional or national REN to establish and coordinate the contact to their scientists and lecturers.

The role of a FP is to raise awareness for the NREN activities and services among the research community. In the framework of Horizon 2020, persons with a comparable profile are called National Contact Points. In the start-up/software world, they often carry the title of 'Evangelist'.

Focal Points exist in two characteristics:

- Institutional FPs (iFP) are the dedicated contact person for a university or research institute. Ideally, they are embedded within the organization;
- National FPs (nFP) are appointed by their respective NREN or in the case where the NREN has not yet been established by WACREN. They are typically based at one of the universities, but are responsible for all the other institutions as well.

### 2- Objective of the Focal Point Network

This community was created with the following objectives:

- Liaise between the researcher and lecturer at the connected universities (the NREN End Users) and their respective NREN CEO/CTO as well as WACREN itself;
- Identify communities and facilitate discussions with scientists to understand concretely their needs and think about what is feasible;
- Promote the uptake of WACREN and NREN services by the research communities;
- Provide WACREN and the NRENs with as many contact details of their end users as possible.

While WACREN and the TANDEM project have been essential in the emergence of the Focal Points community, they will eventually become an instrument of their respective NREN. WACREN itself doesn't plan to keep contact with the end users mentioned above, their users are the NRENs. But it is in the most vital interest of the NRENs to have strong and direct relationships to their user community - and this is where the Focal Points will hopefully become an irreplaceable link.

### 3- Creation of the Tandem Focal Point Network

In August 2015 WACREN asked each of their member NREN to nominate one person as their nFP.

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Origin     | TANDEM need to strengthen dialogue between WACREN and NREN End Users through the identification of national Focal Points                                                                                                                                                                                                                                                                                                                                                                 |
| Date       | August 2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Milestone  | Terms of Reference for the NREN Focal Points                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| FP profile | <p>NREN Focal Points are people, selected within each NREN</p> <p>Each NREN will be required to nominate 1 person to be its NREN Focal Point</p> <p>Specifically</p> <p>An individual from the research and education community conversant with issues of NRENs and general research and education networking in particular</p> <p>An individual interested in working on voluntary basis for the advancement of research and education networking in his/her country and the region</p> |

### 4- Terms of Reference for national Focal Points

| Responsibility of nFP                                                                                                                                                | Activities of nFPs                                                                                                                                                                                                                                  | Animation from WACREN/Tandem                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Act as a hub between WACREN, NRENs and End Users in order to ensure multi-directional feedback on and awareness of potential and available e-infrastructure services | <p>Identify end-users in their countries (data base)</p> <p>Establish a schedule of committee meetings for the year with the end-users</p> <p>Hold periodic meeting with NRENs and WACREN in order to inform them about meetings with end-users</p> | <p>Follow up on the activities of the nFP and support them as needed</p> <p>Make available relevant materials, tutorials, papers, etc.</p> |

|                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                       |                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                       | Organize demonstrative sessions about e-infrastructure services                                                                                              |
| <p>Gather the End User's requirements and questions requiring the attention of WACREN and NRENs</p> <p>Bring collective answers to common problems in several countries (for instance on federation identity strategy)</p>                                   | <p>Hold interviews with representative end users</p> <p>Organize focus groups - where possible - with end users in order to gather their requirements</p>                                                                             | <p>Make available tools (webconference, survey about requirements)</p> <p>Design a feedback mechanism with end users and NRENs</p>                           |
| <p>Represent, promote and disseminate the activities of the TANDEM project and WACREN in general in their respective countries</p>                                                                                                                           | <p>Identify activities such as researcher meetings, conferences or other in order to carry out the dissemination activities</p> <p>Generate a schedule of events to attend</p> <p>Prepare dissemination and promotional materials</p> | <p>Make available materials, presentations about TANDEM and WACREN activities, services, etc.</p>                                                            |
| <p>Communicate and coordinate regularly with End Users in their respective countries, other NRENs and WACREN to develop and produce relevant and timely inputs into regional research and education networking policy documents, processes, and meetings</p> | <p>See above</p>                                                                                                                                                                                                                      | <p>Make available documents for meetings</p> <p>Organize virtual meeting about policies, results of meetings</p> <p>Make available resources for meeting</p> |
| <p>Collect, compile, and provide brief reports in consultation with their local NRENs as needed and requested by WACREN, on regional concerns</p>                                                                                                            | <p>Hold periodic meetings with NRENs (generate a general schedule)</p> <p>Generate and present reports</p>                                                                                                                            | <p>Follow-up and deliver feedback on reports</p>                                                                                                             |



|                                                                                                                                                                                                |                                                                                                                                                                       |                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Support their local NRENs in planning and implementing national outreach activities for awareness raising and promotion of research and education networking activities among all stakeholders | <p>Propose activities to the local NREN. For instance: Conferences, Meeting about e-science by streaming, Workshops</p> <p>Plan a schedule of detailed activities</p> | <p>Follow-up and feedback about the meetings</p> <p>Organize meetings with case studies, tools, presentations about awareness raising and promotion of research and education networking activities</p> <p>Make available models and tools for use during the meeting</p> |
| Develop, update and maintain a comprehensive database of End Users and all relevant stakeholders for promotion of research and education networking activities at national and regional levels | Build a database with projects and researchers                                                                                                                        | Provide tools to facilitate the work                                                                                                                                                                                                                                      |

## 5- Members

|   | Country       | Surname      | First Name     | Email                                            | Phone                                |
|---|---------------|--------------|----------------|--------------------------------------------------|--------------------------------------|
| 1 | BENIN         | KOUNOU       | Gilles         | gilles.kounou@gmail.com                          |                                      |
| 2 | BURKINA-FASO  | BASSOLE      | Didier         | dbassole@gmail.com                               | +226 71 33 26 17<br>+226 78 09 69 35 |
| 3 | CAMEROUN      | GWET BI KONA | Hans melaine   | gwet.bi.kona@minesup.gov.cm                      | +237 656148670                       |
| 4 | CÔTE D'IVOIRE | MEITE        | Daouda         | daouda.meite@mesrs.edu.ci<br>maitymaxx@gmail.com | +225 07 362 845<br>+225 77 178 790   |
| 5 | GABON         | Prof KONFE   | Ousmane Balira | obalira@gmail.com                                |                                      |

|    |         |            |                  |                          |                                      |
|----|---------|------------|------------------|--------------------------|--------------------------------------|
| 6  | GHANA   | TOGO       | Emmanuel         | ematogo@ug.edu.gh        |                                      |
| 7  | MALI    | Dr KEITA   | Ibourahima       | ibourahiman@gmail.com    | +223 66 98 60 93                     |
| 8  | NIGER   | Dr HAMADOU | Ali              | alihamadou@yahoo.fr      | +227 97 43 15 96<br>+227 92 75 74 69 |
| 9  | NIGERIA | OLANLOKUN  | Laide            | Isolanlokun@ngren.edu.ng | +234 8183325396                      |
| 10 | SENEGAL | Dr MAÏSSA  | Mbaye            | maissa.mbaye@ugb.edu.sn  | +221 77 542 61 79                    |
| 11 | TOGO    | Dr MAO     | Barerem-Melgueba | francoismao@gmail.com    | +228 92703488                        |

## 6- Activities Year 1

### A. Work Plan

#### a. Task 1 - End User Database

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End User Database  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Goal               | Build a database of WACREN end users                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Schedule           | March 1, 2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Responsible        | nFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Activities         | To collect from FP, database of end users                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Outcome            | WACREN will work with policy makers to take advantage of existing CAMES database which had similar information.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Output per country |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| SnRER              | <p>From November to December 2015 more than 7000 people have been reached by email or physically to fill the survey of TANDEM. To achieve this members of snRER were used as focal point in their institutions to reach all end users. That is to say, a network focal points already exists for information transmission from national focal point/TANDEM/Wacren to end users.</p> <p>A national database of end user could not be collected and transmitted to TANDEM due to legal considerations with National Commission of Data Protection (<a href="http://www.cdp.sn/">http://www.cdp.sn/</a>). Institutions had to ask to each user if he allows transmission of its personal information and a data management policy from TANDEM/WACREN.</p> <p>To overcome this issue, the next step is to encourage people to apply to <a href="http://orcid.org/">http://orcid.org/</a> and put in their profiles all information they want to share for federation. WACREN will then collect communities information through ORCID database.</p> <p>However communicating with people is possible through snRER.</p> |

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| NigerREN | <p>End users data from 3 universities (Maradi, Tahoua and Zinder) have been collected and transmitted to Tandem. For this purpose, NigerREN focal point were expected to use email and phone.</p> <p>Further inventory of users of others universities and research centers is planned.</p>                                                                                                                                                                                                                                      |
| MaliREN  | <p>Currently updating database of teacher/researchers to be used in the integrated management system of higher education institutions in Mali. Once the database is updated, apply has to be sent to the Human Resources Department for the transmission of this data to WACREN.</p>                                                                                                                                                                                                                                             |
| TogoRER  | <p>Concerning the end-user database, a report (2015) on the state of research at the University of Lomé was sent to the Coordinator of TogoRER. This document contains a directory of the research structures, the composition of each research structure, and the number of teachers involved in the research. This information should be updated and this activity extended to other TogoRER institutions.</p>                                                                                                                 |
| NgREN    | <p>The first step was to create a database with contact details (mostly emails) of Vice-Chancellors of all the Nigerian Universities, Professors / Researchers, Directors of ICT and Directors of Research. This was achieved by collating data from relevant departments / organizations and research institutions within the research and education community.</p>                                                                                                                                                             |
| RITER    | <p><b>End users database</b></p> <p>End users database consists of:</p> <p>Those who participated in the Tandem survey (DB already owned by the project's technical team);</p> <p>The potential end-users (DB to be constituted with the support of the institutions heads, who were reluctant in the first place due to lack of awareness on the importance of the project).</p> <p>Action plan includes meetings with them. Business cards will give FP us more notoriety.</p> <p>The DB should not be difficult to build.</p> |
| RIC      | <p><b>End users database</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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|  | <ul style="list-style-type: none"> <li>- A database of WACREN end users has been established. This first database was sent to the TANDEM coordinator;</li> <li>- The updating of the existing database could not be carried out due to the pending renewal of the teacher-researchers' files at the university level;</li> <li>- E-mail reminders were made with the old available database.</li> </ul> <p><b>Awareness campaign for WACREN and the TANDEM project</b></p> <ul style="list-style-type: none"> <li>- Letters sent to universities for the designation of a focal point has been transmitted, so far only two universities have replied,</li> <li>- The meeting with the internal FP in the Universities has not occur because of the insufficient number of designated FP;</li> <li>- Each meeting or working session organized in the field of Information Systems at the Ministry and at the Institut de la Gouvernance Numérique Interuniversitaire (RIC Headquarters) was an opportunity to raise awareness of the various actors on the project.</li> </ul> <p><b>Vulgarization campaign for WACREN and TANDEM project</b></p> <ul style="list-style-type: none"> <li>- 2 presentations were made during meetings with IT managers in the frame of the e-National Higher Education Network project;</li> </ul> <p>Due to financial issue, some reticence were observed for the organization and/or participation in certain scientific meetings</p> <ul style="list-style-type: none"> <li>- The links and logos of the TANDEM, WACREN and AfricaConnect2 projects are visible and accessible on the websites of the Ministry of Higher Education, University Research and the RIC.</li> <li>- All posters of the TANDEM project were sent to Universities and Research Institutions</li> </ul> <p><b>Constraints / Interferences</b></p> <ul style="list-style-type: none"> <li>- Telecommunication costs unavailable;</li> <li>- Travel costs unavailable. The use of Internet is not enough to raise awareness;</li> <li>- FP depending of universities cannot move without an official mission order;</li> <li>- Participation in scientific meetings (workshops, forums, etc.) requires prepaid participation fees; the RIC does not currently have any means.</li> <li>- Reactivity and slowness issue observed by certain institutions when requests were made to obtain certain information</li> </ul> |
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## b. Task 2 - Awareness Campaign

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| Awareness campaign for institutional managers, members of the NRENs and the policy makers |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Goal                                                                                      | <p>Sensitization of managers institutions on the vision and purpose of the project</p> <p>Help heads of institutions and policy makers to better understand their role in the project</p> <p>Help to identify institutional Focal Points in the member universities</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Schedule                                                                                  | May/June 2016                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Responsible                                                                               | nFP, NREN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Activities                                                                                | National sensitization workshop for heads of institutions and policy makers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Outcome                                                                                   | <p>Several officials of universities and institutions of higher learning as well as teacher-researchers were made aware of the issues and challenges of the RER as well as their advantages in in certain scientific meetings.</p> <p>Given the effectiveness of the work done by the Focal Points, it was decided to appoint in each institution member of the RER one institutional Focal Point.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Output per country                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| snRER                                                                                     | <p>Several meeting to disseminate information about TANDEM/WACREN.</p> <p>Meeting wieth snRER CEO, M. Ibrahima Niang and representatives of universities in the executive committee on December 2015 and presentation of general objectives of TANDEM project; dissemination of leaflets and posters (they're already informed about WACREN). Each of them is responsible of raising awareness of the project in their institution. In addition contact with communication cell of all universities and give them information to share their community.</p> <p>As results :</p> <ul style="list-style-type: none"> <li>- UCAD put a link in the official website and send emails to all researchers;</li> <li>- UGB, UT, UASZ, and UADB use posters, distribute leaflets and other promotion materials in addition to emails;</li> <li>- Contact with M. Olivier Sagna, Director of Studies and Cooperation in Senegalese Ministry of High Education and Scientific Research. As outcome he sent a prepared email to all services connected to the ministry;</li> </ul> |

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|          | <ul style="list-style-type: none"> <li>- Meeting with M. Seydina Ndiaye, CTO of the Ministry of High Education and Scientific Research who also promised to share information to all its network;</li> <li>- Contact with West African Bureau of AUF (Agence Universitaire de la Francophonie) via our contact Stefano Amekoudi, responsible of distance learning programs. Promises to send our informational email to all its network via their communication cell;</li> <li>- Meeting with the head of the IRD in Senegal, M. Laurent Vidal: He accepted to be the focal point for non academic research institutions (E.G Institut Paster, ...). I left their 10 posters to help achieve these research institutes;</li> <li>- Finally, meeting with M. Cheikh Loucoubar, Researcher in Paster Institute to extend information.</li> </ul> <p>With all these effort, almost 7000 persons have been reached, lecturers, researchers, PhD students, technical staffs, ...</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| NigerREN | <p>Awareness of WACREN and TANDEM project at the NigerREN level began with the mobilization of end-users to participate in the TANDEM survey on education and research networks.</p> <p>The following activities were carried out:</p> <ul style="list-style-type: none"> <li>- Regular sending of email to teachers, researchers and IT to encourage them to fill in the survey form by focusing on the benefits for these users and their institutions</li> <li>- Distribution and display of posters in educational and research institutions</li> <li>- Raising awareness of the NigerREN focal points through the NigerREN collaborative virtual platform (AGORA)</li> </ul> <p>Awareness meeting with the teacher-researchers, researchers, students and computer scientists of the University of Maradi and the Université Libre of Maradi in order to encourage them to participate in the TANDEM survey</p> <ul style="list-style-type: none"> <li>- TANDEM project meeting with the vice-rector of the University of Maradi. At the end of this meeting, a letter was sent by the Rector to all the faculties and institutes asking the agents to fill in the Tandem survey.</li> <li>- Awareness of researchers on the sidelines of the National Scientific Days held at the University of Niamey from 20 to 22 January 2016.</li> <li>- After WACREN 2016 in Dakar, awareness meeting with the Rectoral Authorities of the University of Maradi on the benefits of TANDEM, WACREN, AfricaConnect2 as well as the financial challenges related in particular to the participation in AfricaConnet2.</li> <li>- Awareness of the IT attending the PAES (Higher Education Support Program) training on the assets of AfricaConnet2.</li> </ul> |

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|                | <ul style="list-style-type: none"> <li>- TANDEM/WACREN/AfricaConnect2 awareness of participants of the <i>NigerREN Workshop on Interconnection of Member Institutions</i> held at the Niamey IRD from 23 to 24 May 2016.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>MaliREN</b> | <p>Concerning awareness action, after the Accra meeting, letters sent to the 5 Universities Heads of Mali and Higher Education Head to explain MaliREN activity and ask for their collaboration:</p> <ul style="list-style-type: none"> <li>- in disseminating the posters</li> <li>- encouraging to fill in the online questionnaire.</li> </ul> <p>Paper versions collected and saved online.</p> <p>Meeting with:</p> <ul style="list-style-type: none"> <li>- deans of the faculty of medicine and pharmacy to convince their teacher-researchers to fill in the survey</li> <li>- some managers of research structures.</li> <li>- researcher teachers to fill in the survey</li> </ul> <p>MaliREN Business Plan Development Workshop: All the Higher Education Institutions were invited. During this workshop, the flyers explaining MaliREN were distributed to the participants.</p> <ul style="list-style-type: none"> <li>- Workshop of validation of the business plan of MaliREN with the Higher Education Institutions and the research institutions</li> <li>- Signing session of the agreement of MaliREN's participation in AfricaConnect2</li> <li>- Meeting between the MaliREN team and the hierarchical and technical managers of the 11 member structures of MaliREN.</li> <li>- 2 YouTube videos on the NRENs produced by GÉANT and presented during the IDNEUF (initiative pour le développement du numérique dans l'espace francophone <a href="http://www.idneuf.org/">http://www.idneuf.org/</a>) organized this year by Mali</li> </ul> |
| <b>NgREN</b>   | <p>Sequel to the End-User database, letters were sent to all Vice-Chancellors of Nigerian Universities to sensitize them about WACREN, the Tandem Project and online survey. The survey posters were included so that they could be pasted in the Universities to help sensitize the university community and create more awareness. The Vice-Chancellors were urged to circulate copies of the letter to their Deans of Faculties, Directors / Heads of Departments who would in-turn circulate to their Staff/Lecturers.</p> <p>Emails were also sent to University Professors / Lecturers, Directors of ICT and Researchers informing them about WACREN, the Tandem Project and the</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |



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|         | <p>importance of completing the online survey. They were urged to not only complete the online survey but also circulate within their research / education community and forward the email to other colleagues.</p> <p>Subsequently, follow-up emails were sent on a weekly basis as reminder for those that were yet to complete the online survey. They were also informed about the downloadable / printable version of the survey that can be filled and emailed back to me for those that may encounter difficulties completing it online.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| TogoRER | <p>Awareness of young research teachers on the Africaconnect2 and TANDEM projects.</p> <p>The project of raising awareness during Lomé international scientific days could not be done due to financial issue</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RITER   | <p>The sensitization of the various actors (researchers, teachers/researchers, teachers and students) is permanent.</p> <p>Focal Point from RITER were designated, spread in each institution (5 public universities and 2 large public schools).</p> <p>The focal points are informed of all the research or teaching activities in their institutions. Due to lack of means, FP are not able to attend activities and send presentations on TANDEM, WACREN and AFRICACONNECT2.</p> <p>They sometimes have the opportunity to make presentations remotely.</p> <p>When the activity takes place in Abidjan, they move for communications, such as:</p> <p><i>Teacher awareness workshop on MOOC scripting;</i><br/> <i>Days of Teacher Excellence and Merit;</i><br/> <i>Annual Conference of Geophysics 2016;</i><br/> <i>Workshop on the development of its database of researchers and inventors in Research Development and Intellectual Property;</i><br/> <i>IRMA Scientific Days;</i><br/> <i>The RITER days.</i></p> |
| FasoREN | <p>Awareness and promotion of TANDEM among teachers/researchers and potentials users in universities (Ouaga 1 University Prof. Joseph Ki-ZERBO, University2 of Ouaga, Polytechnic University of Bobo-Dioulasso, University of Koudougou)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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|     | <p>Awareness and promotion to CNRST researchers (National Center for Scientific and Technological Research)</p> <p>Meeting and exchange with the Director of Research of the CNRST to discuss the objectives of TANDEM and to solicit its support for the awareness and promotion of TANDEM, WACREN and AfricaConnect2</p> <p>Involvement of UPB (Bobo-Dioulasso) and UK (Koudougou) ICT promotion managers for TANDEM promotion and awareness</p> <p>Involvement of the ICT managers of the CILSS (Permanent Interstates Committee for Drought Control in the Sahel) for the promotion of TANDEM and awareness of researchers and partners of this institution.</p> <p>Meeting and exchange with the Director of CIRAD (Patrice Grimaud) to discuss the difficulties in filling the survey and to see the strategies to be adopted</p> <p>Suggestion to set up a Tandem-Burkina Faso cell (IRD, CIRAD, CNRST, CILSS) in order to boost the number of respondents to the questionnaire</p> <p>Involvement of IRD and CIRAD documentalists in raising awareness of the CICRD to some of its members</p> |
| RIC | <p>The meeting with CIRAD/IRD Heads in Cameroon gave the possibility to contact the head of PAPESAC (Pole of Support to the Professionalisation of Higher Education in Central Africa). Nevertheless despite the reminders, no access yet to their mailing list.</p> <p>All attempts to raise awareness among ICT Vice-Chancellors have been unsuccessful due to schedule constraints.</p> <p>Despite all efforts by MINESUP (Ministry of Higher Education), all attempts failed to include a presentation on WACREN in the different agendas of meetings with university and university institute officials.</p> <p>Some IT managers at MINRESI (Ministry of Scientific Research and Innovation) for popularization within their department, AUF (University Agency and la Francophonie) for a presentation were favorable</p>                                                                                                                                                                                                                                                                        |

### c. Task 3 - Event Participations

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|------------------------------------------------------------------------|------------------------------------------------|
| Participation in national scientific meetings (workshops, conferences) |                                                |
| Goal                                                                   | Leveraging these events to promote the project |

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| Schedule    | When possible                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Responsible | nFP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Activities  | <p>Make presentations on WACREN, its projects and services etc.</p> <p>Distribute advertising materials (leaflets, posters, etc.) on WACREN, its projects and services and the NREN</p>                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Outcome     | <p>If the participation of Focal Points in some science or other meetings has an impact on the process of creation of the communities of end users and researchers, all focal points are not in the capital, which sometimes makes difficult their sensitization work to reach the majority of target people. This is why nomination institutional Focal Points has its meaning.</p>                                                                                                                                                                                                                      |
| TogoREN     | <p>The project of raising awareness on TANDEM/WACREN/ AfricaConnect2 during Lomé international scientific days could not be done due to financial issue</p>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| NigerREN    | <p>Participation at the following scientific national events :</p> <p>National Scientific Days held at the University of Niamey from 20 to 22 January 2016 at the invitation of the CEO of NigerREN who took in charge all expenses.</p> <p>TANDEM/WACREN/AfricaConnect2 awareness of participants of the National <i>NigerREN Workshop on Interconnection of Member Institutions</i> held at the Niamey IRD from 23 to 24 May 2016.</p>                                                                                                                                                                  |
| snRER       | <p>Participation to a conference to present Tandem may be done by sponsorship (which needs funds) or by publishing paper. Conditions can't be met.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MaliREN     | <p>MaliREN Business Plan Development Workshop: All the Higher Education Institutions were invited. During this workshop, the flyers explaining MaliREN were distributed to the participants.</p> <ul style="list-style-type: none"> <li>- Workshop of validation of the business plan of MaliREN with the Higher Education Institutions and the research institutions</li> <li>- Signing session of the agreement of MaliREN's participation in AfricaConnect2</li> <li>- Meeting between the MaliREN team and the hierarchical and technical managers of the 11 member structures of MaliREN.</li> </ul> |

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|         | <p>- 2 YouTube videos on the NRENs produced by GÉANT and presented during the IDNEUF (initiative pour le développement du numérique dans l'espace francophone <a href="http://www.idneuf.org/">http://www.idneuf.org/</a>) organized this year by Mali</p>                                                                                                                                                                                                                                                              |
| FasoREN | <p>No attendance at a conference.</p> <p>Promotion of TANDEM, WACREN and AFRICACONNECT2 at the AFRICOMM2016 conference (<a href="http://africommconference.org/2016/show/home">http://africommconference.org/2016/show/home</a>) to be held in Ouagadougou from 6 to 7 December 2016 was planned. To do this, the condition is to be either a sponsor, or to have submitted an article that has been accepted for the said conference. None of these conditions could be met.</p>                                       |
| RITER   | <p>The sensitization of the various actors (researchers, teachers/researchers, teachers and students) is permanent.</p> <p>Participation in:</p> <p><i>Teacher awareness workshop on MOOC scripting;</i><br/> <i>Days of Teacher Excellence and Merit;</i><br/> <i>Annual Conference of Geophysics 2016;</i><br/> <i>Workshop on the development of its database of researchers and inventors in Research; Development and Intellectual Property;</i><br/> <i>IRMA Scientific Days;</i><br/> <i>The RITER days.</i></p> |
| RIC     | <p>No participation given the constraints above mentioned (Task 1). Only one participation in the Conseil National d'Orientation (CNO) of the AUF at the University of Yaoundé 2 (December 2016) because the expenses are taken in charge by the organizers</p>                                                                                                                                                                                                                                                         |

#### **d. Task 4 - Regular NREN meetings**

|                                                                                                              |                                                                                                                                                                                                                                                  |
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| Contribute to the establishment of a framework for regular exchanges (virtual meetings, etc.) with the NRENs |                                                                                                                                                                                                                                                  |
| Goal                                                                                                         | Make the point of the activities carried [?]                                                                                                                                                                                                     |
| Schedule                                                                                                     | To be defined with the NRENs                                                                                                                                                                                                                     |
| Responsible                                                                                                  | nFP/NREN                                                                                                                                                                                                                                         |
| Activities                                                                                                   | Hold regular meetings<br>Participate in activities initiated by the NREN                                                                                                                                                                         |
| Outcome                                                                                                      | On average, during the first phase, one meeting a month on colaboratorio platform. Since launch of Phase 2 ie since the Dakar meeting in March 2016, only two meetings have been made. FP according to work plan is trying to fulfill its tasks. |

#### **e. Task 5 - Participate in Sci-GaIA activities**

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|----------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Participation in Sci-GaIA activities (physical meetings, video conferences, workshops, etc.) |                                                     |
| Goal                                                                                         | Make the point of the activities carried            |
| Schedule                                                                                     | Whenever necessary                                  |
| Responsible                                                                                  | nFP                                                 |
| Activities                                                                                   | Take part in activities<br>Prepare progress reports |

## 7- Activities Year 2

### A. Work Plan

- DECEMBER 2016: Identify Activities Year 2

*official iFP (Letter will be send to directors of the institutions to appoint the iFP)*

- JANUARY 2017: Terms of Reference of the workshop to organize with iFP
- JANUARY 2017: Budget to the active nFP
- FEBRUARY 2017: Organise a workshop with official iFPs (librarians), and register this community of End Users on Colaboratorio platform
- FEBRUARY 2017: Report on the workshop (proceedings, outputs...)
- March 2017: Presentation at the final event by the FP of the outputs of the workshops. Sustainable action plan to be discussed
- MARCH 2017: D4.3 Sustainable work plans