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An Exploration of China-Africa Cooperation in Higher Education: Opportunities and Challenges in Open Distance Learning

Xia Zhu 

The Open University (United Kingdom)

xia.zhu@open.ac.uk

Gladson Chikwa 

University of Bradford (United Kingdom)

G.Chikwa@bradford.ac.uk

Abstract

Cognisant of the wide range of cooperation between China and Africa and the existing strong Sino-African relationship, this article explores the international cooperation between Africa and China in the higher education domain, especially in the field of Open Distance Learning (ODL). The study employed data triangulation relying on both secondary and primary sources to address the main research questions. It sheds light on the development of ODL in Chinese Higher Education Institutions (HEIs) with a focus on professional development of university teachers. The article argues that ODL is crucial for emerging economies' sustainable development. Key factors such as political, technological and socio-cultural features play a crucial role in the development and effective implementation of ODL. By exploring the potential opportunities and identifying related challenges, this article contributes to an understanding of how mutually beneficial partnerships between African universities and Chinese HEIs can be developed within the wider framework of Sino-African relationship.

Keywords: Lifelong learning, Educational technology, Professional development of university teachers, Sino-African cooperation, Sustainable development, Open Distance Learning

Introduction

China and Africa are both fast growing economies in need of an educated workforce to support their social, economic, technological and human development (Jegede, 2012; Gaba & Li, 2015). One of the United Nations' sustainable development goals emphasises the importance of providing good quality education stating that "obtaining a quality education is the foundation to creating sustainable development. In addition to improving quality of life, access to inclusive education can help equip locals with the tools required to develop innovative solutions to the world's greatest problems" (UN Sustainable Development Goals, 2019a, n.p.). However, formal education cannot sufficiently meet the demand of the economy and respond to the countries' rapid development (Mwapachu, 2010; Jegede, 2012; Gaba & Li, 2015). In contrast to formal education, Open Distance Learning (ODL) is flexible and accessible and involves "multi-learners, with multi-modes, by multimedia, at multi-levels and for multi-purposes" (Wei, 2010, p. 49). ODL opens learning opportunities, promotes a learning society and contributes to the preparation of a workforce needed to support sustainable economic development.

Many African countries focus on the development of the formal education system which includes building schools, colleges and universities to ensure proper education systems in order to meet the countries' development needs (Jowi, 2012). This has led to some positive developments in Africa's higher education sector, for instance, Africa's top 10 most populous nations including Nigeria, South Africa, Ethiopia, Democratic republic of Congo, Egypt, Sudan, Uganda, Algeria, Kenya and Tanzania

have a total of 740 universities serving 660 million of Africa's one billion people (Dahir, 2017). At the same time, ODL courses have been provided by some well-established universities in some countries, such as the University of South Africa (UNISA) and the Zimbabwe Open University (Gunga & Ricketts, 2007). However, the African continent currently has the world's fastest-growing university-aged cohort and the growth is expected to double by 2050 (Gu, 2017). For example, the number of students in secondary education in Tanzania jumped from 345,000 in 2003 to 2 million in 2010 (Mwapachu, 2010). Arguably, this poses a great challenge to ensure that all the young people graduating from high school can access university-level education. In addition, apart from the issue of young people having access to post-secondary education, many countries in Africa are also faced with the challenge to provide lifelong learning opportunities to the people (Unwin et al., 2010). This makes it necessary to explore different means such as ODL for equipping a large population of Africa to access higher education and opportunities for lifelong learning.

Similarly, there has been a growing demand for higher education in China, for instance, its enrolment rate of higher education has increased from 10.5% in 1999 to 25% in 2010; yet, the number of people who had received Higher Education in China was only 1/20 of its total population in 2005 (Ding et al., 2010). Facing the strong learning demand, the Ministry of Education (2010, p. 9) specified its goals which are to: "modernise education, bring a learning society into shape and turn China into a country rich in human resources by the year 2020". At the same time, the national government increased its spending in education, at an average annual growth rate of 21.58% and reached 4% of GDP in 2012 (Wen, 2013). Moreover, the allocation of educational resources was given priority to rural, remote, poor and ethnic minority areas for the improvement of fairness in education (Wen, 2013). As part of China's educational strategy, the development of ODL in China was catapulted by political, social and economic reasons (Gaba & Li, 2015). Gaba and Li (ibid.) assert that ODL has played an important role in Chinese education development and in constructing a learning society which has made significant contributions to economic development.

In light of the educational demands faced by China and Africa and the existing strong Sino-African relationship in many sectors, this article explores the international cooperation between Africa and China in higher education, especially in the area of ODL. The article seeks to address the following questions:

- What is the status of ODL development in Chinese Higher Education Institutions (HEIs)?
- How well developed is the current China-Africa cooperation in Higher Education?
- What are the existing opportunities and challenges to Sino-Africa cooperation in ODL?

Method

To address the research questions, the study employed a combination of qualitative interviews and critical literature review. The conduct of literature review involved employing different search engines, such as university library search and Google Scholar. A range of keywords such as "lifelong learning", "Sino-African cooperation" and "Open Distance Learning in China and Africa" were used to filter and narrow down the number of articles to be reviewed. Both Chinese and English academic sources as well as government websites and reports were consulted to facilitate an understanding of the background and context of the Sino-African relationship considering its political, economic and social dimensions.

At the same time, some in-depth qualitative interviews were conducted by one of the authors, an African scholar, who spent a total of six months working at a Chinese University as a consultant in professional development of university teachers between 2018 and 2019. The African scholar

was contracted by one of the universities in Zhejiang Province, East China, to provide training to a consortium of university teachers drawn from six universities in the province. The African scholar also participated at some national conferences focusing on teaching and learning in China and the interactions he had with university staff helped to broaden our understanding of the issues around teaching and learning in higher education in Chinese context including the development of ODL.

The African scholar conducted 12 semi-structured interviews with teachers who were attending a continuous professional development course. He also interviewed a retired professor who has been working actively with the Ministry of Education to support the provision of online teacher training programmes across the country. In total, 13 semi-structured interviews were conducted adhering to the BERA ethical guidelines (BERA, 2004). The participants were free to participate or withdraw at any time during the study (Hennink et al., 2011). No real names of the participants are used in the project for confidentiality and anonymity (Cohen et al., 2011; Israel & Hay, 2006). The interviews were not recorded, yet observations and notes were taken during each interview to capture the important points made by the interviewees. The interviewees were able to articulate their experiences of participating in different ODL courses in China including the benefits and challenges associated with the emerging massive open online courses (MOOCs). The use of semi-structured interviews facilitated the teachers to share their experiences including feelings and emotions about the use of ODL courses (Merriam, 2009). Thematic analysis was employed to identify, analyse and report the key patterns in both secondary data and interviews in order to address the research questions (Braun & Clarke, 2006).

Results

The results are presented using the following key themes derived from the main research questions:

- The Development of ODL in China
- ODL for Professional Development of University Teachers in China
- Sino-Africa Cooperation in Higher Education

The Development of ODL in China

The ODL system in China began with the establishment of the Radio and Television University (CRTVU) in 1979 which was modelled on the UK's Open University system (Zhang & Li, 2019). The purpose of establishing Radio and Television Universities was "...a strategic choice for expanding higher education, upgrading the scientific and cultural level of the masses, as well as having a larger number of professionals" (State Council, 1979, p. 1). The ODL system in China has been through three different stages in its development, adapted to the Chinese context (Gaba & Li, 2015; Ding et al., 2010). The three stages include a single-mode distance teaching university network (1979–1985), dual-mode distance teaching universities (late 1980s–1990s) and dual-track distance teaching universities (1999 to 2011) (Li, 2014).

At the first stage, the Central Radio and Television University (CRTVU) was set up as the headquarters focusing on curriculum development and the programmes were limited to the engineering and social sciences disciplines at that time (Zhang & Li, 2019). Wei (2010) clarifies that twenty-eight provincial Radio and Television Universities (RTVUs) were responsible for enrolling students and organising the teaching and learning activities including the awarding of certificates. They worked in partnership with local conventional higher education institutions hiring their staff on part-time basis and using

facilities on their campuses. During this stage, a national television network was set up to facilitate the delivery of courses and programmes by talking heads of professors from the traditional universities which would be broadcasted by China Central Television (CCTV) (Li, 2014). On the other hand, the real distance learners had to follow the lectures on their own with no additional support due to staff shortages at local RTVUs. ODL was clearly adapted to the Chinese contextual reality from the very first stage of its development.

In 1986, with the decentralisation of the national educational system, local RTVUs moved out of the campuses of traditional institutions and became independent dual-mode local distance teaching universities “by offering education to both working adults and high school leavers” under the direct leadership of their local government (Wei, 2010, p. 51). In the meantime, the CRTVU undertook a large-scale course development project in collaboration with traditional universities and provincial RTVUs (Li, 2014; Zhang & Li, 2019). More than 200 courses were developed and revised. Television and radio programmes were converted into audio-cassettes and video-cassettes as a key component of the new study package. The local RTVUs were provided with devices such as cassette players for students to listen or watch if they had no access at home. However, as most of the self-study packages were unable to provide the needed guidance and support for students, local RTVUs had to provide group tuition to provide a bridge for the separated teaching and learning activities. This was not without its challenges; the economic problems led to a drop in the number of adult learners studying full-time as employers could not afford to continue to give their workers paid study leave. The working adults were also unable to fit in the schedule of the television programme broadcasting. This marked a turning point in the development of ODL in China as the RTVUs had to start thinking about ways of supporting part-time students studying at a distance. On the other hand, the high school leavers studied on full-time basis using the same materials as the part-time students. In a way, during the day, the RTVUs resembled the regular colleges and looked more like adult higher education institutions in the evenings and weekends when working adults attended group tuition sessions.

In the late 1980s and 1990s, the Chinese government started promoting the idea of continuing education, lifelong learning and open learning with the view to improve the quality of the nation (MOE, 1993 cited in Wei, 2010). The advent of technology has made it possible for the provision of more interactive support in ODL. For instance, during the early years of the new millennium, the CRTVU combined the satellite broadcast system and China Education and Research Network for the delivery of ODL. This helped the different stakeholders including teachers and students to access online resources and other additional materials for more than 500 courses from their campus computer laboratories or from home computers (Zhang & Li, 2019). In addition, communication between teachers and students has been enhanced using technology applications such as emails, teleconferencing, discussion forums and chatrooms including instant messaging programmes commonly used in China such as QQ (a social media platform). These developments are helping to facilitate the transition in pedagogy, from teacher-centred to student-centred approach in ODL provision. The higher education graduates of CRTVU reached 7.2 million from 1979 to 2009 contributing approximately 24% of the total Higher Education graduates (Liu, 2009). In 2012, the national government established the Open University of China (OUC) using the operational guidelines of the CRTVU. The OUC is designed to be open to all members of the society in China including adults, school-aged students, the elderly, farmers, the unemployed and other disadvantaged groups and it provides practical-oriented formal tertiary education and non-formal education (Li, 2014). Currently, ODL in China is further developed and covers different levels of education for a large audience attracting people from both public and private sector.

It emerged from interviews that several courses are being designed and delivered using ODL based on the market demand. Apart from the Open University of China, several universities in the country are also providing different online courses, the MOOCs, which can be accessed by any member of the public. Some of the eminent universities such as Tsinghua University and Peking University are among those that are actively providing MOOCs. For instance, Tsinghua University provides courses in both Chinese and English making it possible for non-Chinese speakers to benefit from the courses (see: www.xuetangx.com). The teachers who participated in our study were positive about the online courses provided by different universities and commented that:

"I'm interested in the accredited online courses like my course. It's useful for me to learn the advantages of the accredited courses and then introduce the good/useful videos/lecture notes to my own students" (Interviewee A)

"It is good for me and the students to see what happens in other classes at the top Universities in the country" (Interviewee B)

In addition to the excitement of being presented with ODL opportunities, the interviewees mentioned the excessive workload which inhibits their engagement with the online courses.

ODL for Professional Development of University Teachers in China

The need to develop qualified teachers through collaborative training initiatives has been placed on the sustainable development agenda by the UN. For instance, one of the UN Sustainable Development Goals on Teaching Quality (2019a) states that: "by 2030, substantially increase the supply of qualified teachers, including through international cooperation for teacher training in developing countries, especially least developed countries and small island developing states" (n.p.). This article sought to explore the potential for collaborative delivery of ODL between China and Africa focusing on continuous professional development. It was, therefore, important to understand how well developed the provision of ODL for professional development of teachers in China is.

The Ministry of Education (MOE) In China coordinates the provision of online Continuous Professional Development Courses. It is generally difficult to find documented information about these courses, especially in English. However, one of the authors of this article participated in delivering one of the online workshops that was delivered to university teachers in 2018. This presented an opportunity to interview some university teachers, including Professor Jimmy (not his real name) who is actively involved in the online Professional Development Training Programme. Professor Jimmy indicated that the MOE provides online courses to support the continuous professional development of teachers at different levels including university and school teachers. Selected experts in teaching and learning and specialists from various fields of study are chosen to design the online courses and workshops. All the courses and workshops can be accessed easily by all the academics using their university accounts. With additional payment for the courses, they could get more support, that is, have asynchronous and synchronous interactions online with the course providers as well as obtaining a certificate at the end of the course. Alternatively, university academics can simply access the online material for free but do not obtain a certificate. This was welcomed by teachers:

I really appreciate the fact that one can study for free and get some useful ideas to improve own practice. If you want to receive a certificate, you can pay a nominal fee for the courses but no need to pay if you just learn by yourself without extra online support from the experts. (Interviewee C)

Occasionally, the MOE organises workshops which run over three days, usually from Friday to Sunday where teachers can either attend physically or virtually. As indicated earlier, in 2018, one of the authors of this article participated in a similar workshop. The workshop was hosted by a university in Henan Province, in the North of China and different speakers were arranged by the MOE. The workshop was attended by more than one hundred university teachers in person while more than 2000 teachers from different parts of the country followed the proceedings of the workshop online over the three days period. Those who participated in these programmes were largely positive and express satisfaction about the benefits of these opportunities in enhancing their teaching practice. However, not everyone is able to benefit from the face-to-face interactions as the workshops are held in places that might require long distance travelling. The MOE changes the workshop venues every year to ensure that interested university teachers from all the different provinces can have a chance to attend in person.

Sino-Africa Cooperation in Higher Education

The need to foster cooperation between countries has been articulated in the UN's Sustainable Development Goals. For instance, one of the partnerships goals highlighted the need to: "enhance international support for implementing effective and targeted capacity-building in developing countries to support national plans to implement all the sustainable development goals, including through North-South, South-South and triangular cooperation" (UN Sustainable Development Goal, 2019b, n.p.). It is against this backdrop that we sought to explore the cooperation between China and African countries in Higher Education as discussed below.

The cooperation in Higher Education between China and Africa started as early as 1956 when the newly established People's Republic of China initiated diplomatic ties with Egypt which led to the exchange of eight students and teachers between the two countries (Gu, 2017). The exchange of students has continued to grow over the years, with a rapid increase in the number of African students in China in the 21st Century (Haugen, 2013). For example, according to China's Ministry of Education (MOE) (2017), between 2005 and 2015, African student numbers in China rose from 2,757 to 49,792, a 35% average annual increase. This dramatic growth can only be explained with the related understanding of Chinese government policies and education strategies, such as the Forum on China and Africa Cooperation (FOCAC) and the 20 + 20 cooperation plan by the MOE in China.

The establishment of FOCAC in 2000 sought to consolidate the existing relationship between China and the African continent to face the emerging global challenges (Ojo, 2016). Higher Education is one of the main focal points for the FOCAC and several initiatives have been implemented (<https://www.focac.org/eng>). For instance, historical data show how the figures have increased over the years; between 2010 and 2014, the Chinese Government provided 33,866 scholarships to African students. In 2012, FOCAC rolled out the African Talents Programme which sought to train 30,000 African professionals in China between 2013 and 2015 and a total of 18,000 students were given Chinese Government scholarships. In 2015, at the 6th FOCAC ministerial conference in Johannesburg, Chinese President Xi Jinping provided additional 30,000 scholarships for African students and 2000 postgraduate and doctoral slots at top Chinese institutions including visits to China for 200 African scholars and 500 African youths. In the same vein, in 2018, at the 7th FOCAC Ministerial conference in Beijing, Chinese President Xi Jinping announced plans to further increase aid to African students with an additional 50,000 scholarships and 50,000 training opportunities for seminars and workshops

in many disciplines. At the same conference, China pledged to train 1000 high-calibre Africans and to continue to support the development of the existing Confucius Institutes and classrooms in Africa. The Chinese Universities are continuing to increase the number of scholarships for African students, for instance, in 2016, eight Chinese universities agreed to reserve places for 1000 students from Ghana every year.

At the same time, in 2009, the MOE in China launched the 20 + 20 cooperation plan which involves the establishment of one-to-one partnerships between 20 Chinese and 20 African higher education institutions. By 2017, the programme had established partnerships in seventeen African countries and some Chinese Universities participating in the programme are Peking University, East China Normal University and Jilin University (Gu, 2017). The Sino-Africa relations have seen the provision of some African studies at some Chinese Universities including Peking University's Centre for African Studies, Zhejiang Normal University Centre for African Education Studies, and Tianjin University of Technology and Education Centre for African vocational education studies.

In an effort to internationalise higher education, between 2010 and 2020, the Chinese government set out to recruit 500,000 international students with 150,000 of them enrolled on degree programmes (Gu, 2017). According to the MOE, by 2015, significant progress was made with the country hosting 397,635 international students and 12.5% of these were African students. To demonstrate China's commitment to higher education exchange with Africa, numbers of African students are continuing to increase annually. One of the authors of this article worked at a Chinese University in the Zhejiang Province between 2018 and 2019 and each time he visited the university, he met new African students from different countries including Zimbabwe, Malawi, Democratic Republic of Congo, Congo-Brazzaville, Benin, Liberia, Zambia, Burundi, Sudan and South Africa. The International Office in the university where the African scholar was based confirmed that in 2018/2019 academic year the university had enrolled a total of 1257 international students and 315 of these were from African countries. Most of the students were doing undergraduate studies while some of them were enrolled on postgraduate courses including Master's and PhD programmes. For the students enrolled on undergraduate programmes, they use Chinese language as the medium of instruction; hence, they must learn Chinese prior to embarking on the degree programmes. At a recent international forum of higher education organised by China's Association of Higher Education, speakers from different Chinese Universities shared details about increasing numbers of African students enrolled in their universities and this includes some of China's top Universities such as Peking University, Tsinghua University and Zhejiang University that are recognised globally.

There are many tangible achievements in higher education exchange between China and Africa. Gu (2017) provides a summary of some of the key achievements of the Sino-Africa relations in the field of Higher Education:

- The FOCAC supports academic exchanges, between 2009 and 2015, 34,500 scholarships were awarded.
- Through the UNESCO Trust Fund, China has promised US\$2 million to support development programmes in Africa (mainly higher education).
- The Chinese government dedicated US\$40 million to build Africa's largest University Library in Tanzania.
- China has established 46 Confucius Institutes in 32 African countries. They provide language and cultural training to over 36,000 Africans and have offered 951 scholarships.

- The 20 + 20 Cooperation plan developed by China's MOE has established partnerships between 20 Chinese and 20 African Universities in 17 African countries.

While there exist several opportunities for establishing collaborative partnerships between Chinese HEIs and African universities, a number of challenges also need to be acknowledged as highlighted below:

- The challenges related with political factors: as government initiatives and education policies play a significant role in the direction of the Sino-Africa cooperation in Higher Education, the political stability of the different countries and the relationship between governments directly influence the development. Over-reliance on government policies can be a barrier, universities should take a lead in building partnerships especially in the growing competitiveness in online education (Gaba & Li, 2015).
- The economic factors related challenges: the Sino-Africa cooperation in Higher Education rely heavily on available funding. Currently, China provides more resources into the cooperation, but the investment is mainly 'one-way' with African students and professionals receiving Chinese scholarships in Higher Education exchanges. As the Chinese government focuses on reducing public funding in higher education, educational aid may become unsustainable (Haugen, 2013).
- The challenges of technological factors: technological and infrastructural constraints in under-developed regions of developing countries may impede the effectiveness of Higher Education cooperation. As argued by Hao (2017), leveraging technology is certainly one of the big challenges for the higher education institutions.
- The challenges from society: the active engagement of China in Africa has received some criticisms (Bbaala, 2015), and the Sino-Africa cooperation in Higher Education needs to be understood within a wider picture of Sino-Africa relationship in order to achieve a long-term strategic partnership. Social conflicts associated with racial identities can affect the relations between Chinese and African students making it difficult to build good diplomatic relations and sound collaborative institutional partnerships.
- The challenges of heterogeneity: Africa is a large continent with many countries that are different from each other. The heterogeneity in the culture, language and educational systems requires more nuanced understanding in order to foster effective collaborative partnerships.
- The other challenges include the design of internationalised curriculum that can be delivered effectively by the cooperating universities. It is also important to ensure that effective quality assurance mechanisms are put in place to facilitate the enhancement of student learning experience which can affect the sustainability of partnerships in ODL.

Discussion

Based upon the findings, it is evident that political, technological, economic and socio-cultural factors contributed to the development of ODL in China. Government initiatives led to the establishment of distance learning in China, and education policies play a significant role in the direction of its development. Economic factors, such as the adoption of a socialist market economy policy for promoting China's economic development led to many employers' unwillingness to release adult workers from their work to study at RTVUs (Wei, 2010). Technology and infrastructure also need crucial consideration for the development and implementation of ODL. The influential role of technology has been evident in the change of Chinese ODL delivery mode from watching television programmes in the classrooms to teleconferencing and interactive instant messaging in order to ensure the enhancement of student experience (Li, 2014). Unwin et al. (2010) pointed out the infrastructural constraints for developing ODL in Africa and the irony of increasing inequalities among learners when only the

universities with the best infrastructures in Africa can benefit from the effective use of technology. This is opposite to the underpinning ideas of educational democracy, equity and egalitarianism for ODL. With the development of technologies, the provision of ODL in many countries today has been made easier. However, some lessons can be drawn from the model adopted by China in the past when many people had limited access to resources that distance learning is not 'one-size-fit-all', alternative delivery modes need to be developed considering the local contextual reality in order to cope with the restriction of technology and accommodate the needs of learners.

ODL for Chinese university teachers' training has many benefits, such as expanding the knowledge about teaching and learning which leads to improvement of practice, and enhanced student experience. University teachers have the opportunity to network and learn from some of the best practitioners. Introducing an international dimension in the courses by engaging some speakers from abroad would help to diversify the experience and introduce new ideas that can improve the quality of courses. At the moment, as there is limited information about this ODL programme, it is difficult to evaluate what is working well and what needs improving. It is unclear whether there is any similar ODL programme for university teacher training in Africa. Unwin et al. (2010) pointed out the lack of training and practical experience in the use and implementation of e-learning in Africa after surveying 358 participants across 25 African countries. The ODL for professional development of university teachers is potentially an area that can be explored further by the Chinese and African Universities to strengthen collaboration, facilitate knowledge transfer and exchange of ideas to enhance teaching and learning practices. Professionals from Chinese Universities can co-design some online courses with their counterparts in African universities that can contribute to professional development and enrich students' learning experiences.

The relationship between China and Africa is traceable to as early as the 15th Century when Chinese merchants arrived at the continent's eastern coast (Besada & O'Bright, 2016). In the 21st Century, many trade agreements have been signed between China and Africa, such as higher education, infrastructural development, technology transfer, institutional building and job creation. The trade between China and Africa increased ten times between 2001 and 2010 compared to the eightfold increase in China's trade with the rest of the world (Wasserman, 2012). By the end of 2013, China's trade with Africa was over US\$200 billion (Moyo, 2014; Rotberg, 2014). In addition, between 2000 and 2011, over 50% of China's total foreign aid allocation was given to African countries (Brautigam, 2011). Reflecting on China-Africa relations, Raine (2009, p. 14) stated that, "China, as the world's largest developing country is posited as a natural ally of Africa, the world's largest development continent". Both China and Africa need each other for their own development agendas (Akpore et al., 2013). The establishment of the Forum on China and Africa Cooperation (FOCAC) in 2000 provided China with an opportunity to establish robust economic, political and social relations with the African continent as a regional partner within the international cooperation framework (Ojo, 2016). Despite the growing economic relations between China and Africa, some critics consider that the active engagement of China in Africa is tantamount to neo-colonialism (Bbaala, 2015) and asymmetrical (Tull, 2006). We concur with Kumpe and Chen's (2014) view that it is essential for the relationship between China and Africa to be founded on mutual benefit if a long-term strategic partnership is to be achieved.

As Sino-Africa relations are continuing to grow in strength, one of the key areas that characterise the Sino-Africa relations is the investment in Higher Education. Higher Education Institutions (HEIs) play a significantly important role in ensuring the adequate preparation of individuals who can contribute actively to their communities and societies. China and Africa are both fast growing economies which rely on highly skilled workforce for sustainable development. Both China and Africa understand the pivotal role that education plays in "fostering growth, reducing poverty and

boosting shared prosperity” (World Bank, 2017). Despite the rapidly increasing numbers of African students coming to China, the exchange in Higher Education between China and Africa is mainly ‘one-way’ (Haugen, 2013). The ‘one-way’ model needs to be reconsidered and reflected on and potentially seeking a ‘two-way’ dialogue should be prioritised where China is not only offering educational opportunities to African students but should also benefit from Africa’s rich history and cultural heritage. Taking into account the increase in the number of Africans immigrating into China and Chinese immigrating into Africa, a few years ago, there were about 500 000 Africans living in China and up to a million Chinese living in Africa (Besada & O’Bright, 2016), arguably these numbers are continuing to grow on both sides. It is crucial for both Chinese and African people to be aware of the similarities and differences across cultures and develop a mutual understanding. Most of the times Africa is conceptualised as a homogenous group, yet, there is great diversity among the different countries in Africa. This should be borne in mind when seeking to understand the opportunities and challenges of fostering collaborative partnerships. Opportunities in ODL, such as building relevant courses with inputs from African scholars would help the Chinese to learn and understand more about Africa, thus enhancing Sino-African relationship via mutual understanding. China has been establishing many Confucius Institutes in Africa and a few Chinese universities (e.g. Peking University) have opened centres of African studies. There is much scope on cultural exchange. It is also time for Chinese and African universities to establish collaborative research projects to facilitate knowledge transfer and sharing of good practices within the Sino-Africa cooperation in higher education framework.

Conclusion

Much research and discussion on Sino-Africa relationship has been focused on the political and economic dimensions (Tull, 2006; Ojo, 2016). We did not intend to engage with the analysis of the economic relations between China and Africa, instead, our intention has been to explore the Sino-Africa cooperation in Higher Education, an area that we understand has not yet been sufficiently brought to light. This article provides a glimpse of the ODL development in China and Sino-Africa cooperation in Higher Education based upon secondary research and some primary data generated by an African scholar who spent six months engaging in consultancy work in Professional Development of university teachers in Chinese universities between 2018 and 2019. It is evident that the concept of ODL emanated from the western countries and was embraced, adapted and continues to experience transformation in line with the evolving characteristics of China (Zhang & Li, 2019; Li, 2014). Looking at the development of ODL in Chinese context, it can be gleaned that with determination and a clear sense of purpose, it is possible to imitate and adapt approaches from the West to suit local contexts.

There are many achievements in higher education exchange between China and Africa. Sino-Africa cooperation in Higher Education needs to be understood within a wider picture of Sino-Africa relationship, taking into account the political, economic, socio-cultural and technological factors. In higher education, instead of being at the receiving end of scholarships and infrastructural developments provided by China, Africa has its own rich history, culture and knowledge systems which could contribute to a better understanding between different cultures. ODL is one of the many areas through which African universities can strengthen their relationships with their Chinese counterparts and contribute to a more sustainable Sino-Africa relationship. Furthermore, instead of treating Africa as a homogenous entity, African countries have diverse culture and histories, and the continent’s heterogeneity needs further understanding when building educational collaborative partnerships.

There are many questions that are still waiting to be answered, for instance, how many ODL courses of African studies (such as African cultural, language, history, geography and tourism) are available in Chinese? How many ODL courses available in Africa are about Chinese related topics, such as Chinese language, culture, history, and economy? Is there much awareness of Chinese MOOCs in Africa? How many African students are enrolled and studying through the Chinese MOOCs? How many African Universities are developing their own MOOCs? Some MOOCs are built by Chinese and English scholars in both languages (www.xuetangx.com), however, we do not have the information on whether there are any MOOCs designed through the collaboration of Chinese and African scholars.

The UN Sustainable Development Goal (2019a) focusing on quality education states that:

By 2030, ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others, through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture's contribution to sustainable development (n.p.).

Bearing in mind the UN aspirations stated above, both Africa, the world's largest developing continent, and China, the world's largest developing country, have important roles to play and much scope to work together towards the achievement of the UN sustainable development goals. Other countries can then draw inspiration from the Sino-African cooperation in Higher Education and make use of ODL to strengthen the provision of good quality education, a precursor of sustainable economic development.

References

- Akpor, O., Lukhele-Olorunju, P., and Muchie, M. (2013). *The African Union ten years after: Solving African problems with pan-Africanism and the African Renaissance*. Africa Institute of South Africa.
- Bbaala, P. (2015). Emerging Questions on the Shifting Sino-Africa Relations: 'Win-Win' or 'Win-Lose'? *African Development*, 40(3), 97–119. http://www.codesria.org/IMG/pdf/5-_ad_vol_xl_no_3_2015_bbaala_emerging.pdf
- British Educational Research Association - BERA (2004). *Revised ethical guidelines for educational research*. BERA. <https://www.bera.ac.uk/wp-content/uploads/2014/02/ethica1.pdf>
- Besada, H., & O'Bright, B. (2016). Maturing Sino-Africa relations. *Third World Quarterly*, 38(3), 655–677. <https://doi.org/10.1080/01436597.2016.1191343>
- Braun, V., & Clarke, V. (2006). Using thematic analysis in psychology. *Qualitative Research in Psychology*, 3(2), 77–101. <https://doi.org/10.1191/1478088706qp063oa>
- Brautigam, D. (2011). Chinese development aid in Africa: what, where, why, and how much? In J. Golley & L. Song (Eds.), *Rising China: Global Challenges and opportunities* (pp. 203–223). Australia National University Press. <http://www.jstor.org/stable/j.ctt24hbk1>
- Cohen, L., Manion, L. & Morrison, K. (2011). *Research Methods in Education*. Routledge.
- Dahir, A.L. (2017, January 5). Education for All. Africa has too few Universities for its fast growing population. *Quartz Africa* [Blog post]. <https://qz.com/africa/878513/university-education-is-still-a-dream-many-in-africa-are-yet-to-attain/#:~:text=A%20close%20examination%20by%20Quartz,of%20Africa's%201%20billion%20people>
- Ding, X., Niu, J., & Han, Y. (2010). Research on distance education development in China. *British Journal of Educational Technology*, 41(4), 582–592. <https://doi.org/10.1111/j.1467-8535.2010.01093.x>

- Gaba, A. K., & Li, W. (2015). Growth and development of distance education in India and China: A study on policy perspectives. *Open Praxis*, 7(4), 311–323. <http://dx.doi.org/10.5944/openpraxis.7.4.248>
- Gu, M. (2017, March 7). The Sino-African Higher Educational Exchange: How Big Is It and Will It Continue? *WENR - World Education News + Reviews*. <https://wenr.wes.org/2017/03/the-sino-african-higher-educational-exchange-how-big-is-it-and-will-it-continue>
- Gunga, S. O. & Ricketts, I. W. (2007), Facing the challenges of e-learning initiatives in African universities. *British Journal of Educational Technology*, 38(5), 896–906. <https://doi.org/10.1111/j.1467-8535.2006.00677.x>
- Hao, K. M. (2017). Seizing the historical opportunity to meet and realize the new glory of open universities. *Open Education Research*, 23(6), 13–20. <http://doi.org/10.13966/j.cnki.kfjyyj.2017.06.002>
- Haugen, H. Ø. (2013). China's recruitment of African university students: policy efficacy and unintended outcomes, *Globalisation, Societies and Education*, 11(3), 315–334. <https://doi.org/10.1080/14767724.2012.750492>
- Hennink, M., Hutter, I., & Bailey, A. (2011). *Qualitative Research Methods*. Sage.
- Israel, M., & Hay, I. (2006). *Research Ethics for Social Scientists*. Sage.
- Jegede, O. (2012). The Status of Higher Education in Africa. Plenary at the *Panel Discussion in the Launch of "Weaving Success: Voices of Change in African Higher Education"*, Institute of International Education, New York, on Wednesday, February 1. https://media.carnegie.org/filer_public/5e/d0/5ed04cc9-b250-48e5-b9ee-dd97b3f9139a/ccny_speech_2012_status.pdf
- Jowi, J. O. (2012). African universities in the global knowledge economy: the good and ugly of internationalization, *Journal of Marketing for Higher Education*, 22(1), 153–165. <https://doi.org/10.1080/08841241.2012.705799>
- Kumpe, T., & Chen, K.H. (2014). Towards the creation of Wiser Futures: Sino-Africa Relations and Futures of African Development. *Journal of Futures Studies*, 19(2), 1–20. <https://jfsdigital.org/wp-content/uploads/2015/01/19-2-Article1-chen3.pdf>
- Li, W. (2014). A new engine for building a learning society: A case study of the Open University of China. *International Journal of Continuing Education and Lifelong Learning*, 7(1), 139–152.
- Liu, Y. Z. (2009). RTVUs have had 7.2 million graduates in their 30-year development. *Xinhua News*.
- Merriam, S. (2009). *Qualitative research: a guide to design and implementation*. Jossey-Bass.
- Ministry of Education (2010). *National outline for medium and long-term education reform and development (2010–2020)*. People's Publishing Press. <http://old.moe.gov.cn/publicfiles/business/htmlfiles/moe/s3501/index.html>
- Moyo, D. (2014, March 31). China helps Africa to develop. *Huffington Post*. https://www.huffingtonpost.com/Dambisa-moyo/china-is-helping-emerging_b_5051623
- Mwapachu, J. V. (2010). Challenges Facing African and Tanzanian Universities. *Development*, 53(4), 486–490. <https://doi.org/10.1057/dev.2010.83>
- Ojo, T. (2016). Framing of the Sino_Africa relationship in diasporic/pan-African news magazines. *Chinese Journal of Communication*, 9(1), 38–55. <https://doi.org/10.1080/17544750.2015.1049628>
- Raine, S. (2009). *China's African challenges*. Routledge.
- Rotberg, R. (2014, March 15). Chinese trade with Africa hits record high. *China-US Focus*. <https://www.chinausfocus.com/finance-economy/chinese-trade-with-africa-hits-record-high>
- State Council (1979). *The endorsement of national work conference report on Radio and Television University made by the Ministry of Education and Central Radio and TV Bureau*. People's Publishing Press.
- Tull, D. M. (2006). China's engagement in Africa: scope, significance and consequences. *The Journal of Modern African Studies*, 44(3), 459–479. <http://www.jstor.org/stable/3876304>
- United Nations (2019a). *Sustainable development goals: 4 Quality Education*. UN. <https://www.un.org/sustainabledevelopment/education/>

- United Nations (2019b). Sustainable development goals: 17 Partnerships for the Goals. UN. <https://www.un.org/sustainabledevelopment/globalpartnerships/>
- Unwin, T., Kleessen, B., Hollow, D., Williams, J. B., Oloo, L. M., Alwala, J., Mutimucuo, I., Eduardo, F. & Muianga, X. (2010). Digital learning management systems in Africa: myths and realities. *Open Learning. The Journal of Open, Distance and e-Learning*, 25(1), 5–23. <https://doi.org/10.1080/02680510903482033>
- Wasserman, H. (2012). China in South Africa: The media's response to a developing relationship. *Chinese Journal of Communication*, 5(3), 336–354. <https://doi.org/10.1080/17544750.2012.701428>
- Wei, R. F. (2010). China's radio and TV universities: reflections on theory and practice of open and distance learning. *Open Learning. The Journal of Open, Distance and e-Learning*, 25(1), 45–56. <https://doi.org/10.1080/02680510903482199>
- Wen, J. B. (2013). *Report on the Work of the Government 2013*. http://www.china.org.cn/chinese/2013-03/20/content_28306722.htm
- World Bank (2017). *Higher Education Overview*. World Bank website. <https://www.worldbank.org/en/topic/tertiaryeducation>
- Zhang, W. & Li, W. (2019). Transformation From RTVUs to Open Universities in China: Current State and Challenges. *International Review of Research in Open and Distributed Learning*, 20(4). <https://doi.org/10.19173/irrodl.v20i4.4076>