



Renal insufficiency:

Vital hazard awareness

hidden from **carambola**

ACCOS advocates the valorization of research in the DRC

The Press presents Gilbert KABANDA with a diploma of excellence.

April 6 to 10, 2024: Science and Technology Week



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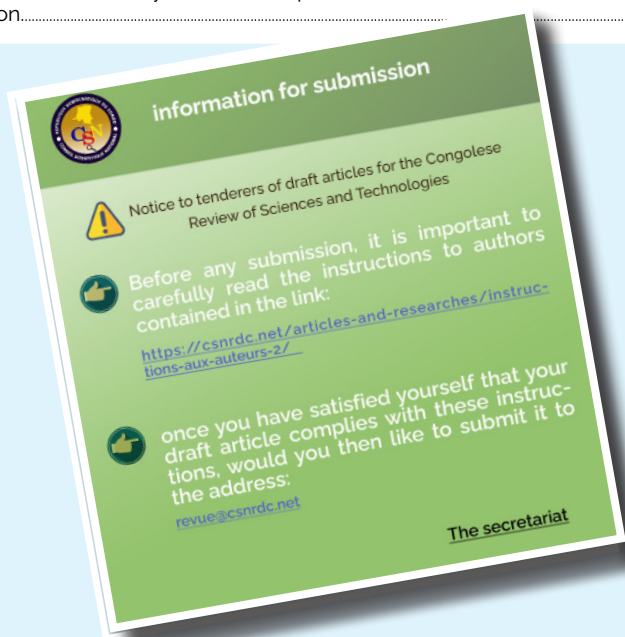
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Strengthening Scientific Research and Technological Innovation in Developing Countries: A Project for Empowerment and Sustainable Progress



*Professor Pius MPIANA TSHIMANKINDA
The NSC President.*

Strengthening Scientific Research and Technological Innovation in developing countries is essential for their empowerment and sustainable progress. This project aims to promote research in the basic sciences, strengthen the endogenous scientific capacity of developing countries, and reduce the exodus of their scientific talent by building units of excellence in life and health sciences and technologies (STL&S).

By focusing on the basic sciences and strengthening the endogenous capacities of developing countries, this project will enable them to lay a solid foundation for research and innovation, gradually reducing their dependence on foreign expertise and increasing their capacity to solve problems of all kinds.

Reducing the exodus of scientific talent from the South means offering attractive research and development opportunities in their countries of origin, in order to contribute to economic growth and social progress.

Last but not least, the creation and maintenance of units of scientific excellence

in STL&S will contribute to building a critical mass of highly qualified and innovative scientists capable of understanding and solving the real problems facing their countries, thus enhancing their socio-economic development.

For the Democratic Republic of Congo, such a policy would have significant spin-offs, strengthening its research and higher education structures by attracting and retaining the country's best scientific minds. This would make it possible to meet the challenges of public health, biodiversity, sustainable agriculture and so on. Moreover, by building units of scientific excellence, the country could contribute more to research while improving the quality of education in the country.

In order to strengthen the capacity of researchers and promote research in the DRC, and help the country to emerge in this field, it is essential to increase the budget allocated to scientific and technological research, paying particular attention to the country's priority development areas, to create competitive research funds to support large-scale projects, by encouraging national and international collaboration, and to invest in research infrastructures,

laboratories, scientific equipment and research

research centers, increase training and skills development programs for researchers and science students, promote applied research and collaboration with the private sector to foster the transformation of research results into commercial innovations and economic development, adopt research and innovation-friendly policies and regulations, including intellectual property and data access policies, encourage investment in research, support research on local challenges and priority issues for the DRC's development, including health, agriculture, the environment and natural resources, and strengthen international collaboration in research and innovation, particularly with neighboring countries and development partners, to benefit from best practices and available resources.



Family photo of the academicians around H.E. G. Kabanda

Activity of the Minister of SRTI

ACSDRC calls for the valorization of research in the DRC

The Academy of Sciences of the Democratic Republic of Congo (ACSDRC) has decided to establish itself as an advisor on the valorization and promotion of research, at the official opening of its academic year on March 31, 2024 in the Salon Rouge of the Ministry of Foreign Affairs in Kinshasa.

There were around fifteen teachers, including one woman, all dressed in special gowns singularly distinct from other trades. Among these crowned heads was Professor Jean-Jacques Muyembe Tamfum.

A very notable presence at the ceremony was that of the Minister of Scientific Research and Technological Innovation, Dr. GILBERT KABANDA KURHENGHA, himself an academic. Taking advantage of the occasion, he launched a pathetic and patriotic message to "consume Congolese". Minister Gilbert KABANDA spoke of the need to equip the DRC with a genuine research policy that will serve as a compass, enabling it to take off towards real and technological power.

"Without scientific research, the Congo wouldn't be worth a penny. You are free thinkers, the ones that the Congo awaits for its development. The Congolese Academy of Sciences must focus on influencing research policies so that the DRC's potential resources become a reality", he recommended.

He also praised the scientific prowess of Professor MUYEMBE TAMFUM and thirty other academics, who are called upon to "find appropriate solutions" for the country's development.

Gilbert Kabanda reaffirmed the commitment of His Excellency President Félix

Antoine TSHISEKEDI and the Congolese government to support ACSDRC in its activities in the fields of physical and applied sciences, medicine and natural sciences, human and social sciences, and literature and fine arts.

He also appreciated the 47 innovation and research prototypes on display at the "Congolese Creative Genius" event in September 2023.

Finally, Minister KABANDA announced to the academics that the second Congolese Scientific Genius Forum would be held in August 2024.

The President of ACSDRC, Professor Jean-Jacques MUYEMBE TAMFUM, took the opportunity to call for support for research produced in universities and research centers, so that these studies can contribute to the country's development.

"Knowing how to live as an academician in the DRC means leading a life devoted to research, study and contemplation, and maintaining international standards and rigor in one's work. ACSDRC plays the role of compass and guide", he said.

He stressed the need to work in synergy to promote research, which, he said, "requires funding", before welcoming the 3% increase in the research budget for this year 2024, achieved thanks to the Head



ACSDRC President Prof. Muyembe in conversation with H.E. G. Kabanda of State, compared with 0.6% last year.

The President of the National Scientific Council, Professor Pius MPIANA TSHIMANKINDA, attended the start of the ACSDRC academic year as a member. He declared that he was accompanying his peers.

ACSDRC is part of the Ministry of Scientific Research and Technological Innovation, and advises the government on the implementation of scientific research results. It was created in March 2021. ACSDRC ' mission is to promote the sciences by making them a real pillar of value chain development in the DRC, and the country's contribution to solving global problems (climate change, pandemics, etc.).

Communication Unit of the Minister of SRTI, MAZONO MPIA
Christian/NSC and BELESI Consort/NSC

Press awards a diploma of excellence to Gilbert KABANDA KURHENGA

The Knights of the Quill of Kinshasa presented the Minister of Scientific Research and Technological Innovation GILBERT KABANDA KURHENGA with the Diploma of Excellence on April 07, 2024 in Kinshasa.

According to the journalists, Dr Gilbert Kabanda Kurhenga has distinguished himself by his initiatives and reforms at the head of the two ministries he occupied under Sama Lukonde 1 and 2, namely National Defense and Veterans and Scientific Research and Technological Innovation.

At the head of the Ministry of National Defense and Veterans, the Minister initiated a whole revolution by setting up a military programming policy, the constitution of a national defense reserve, national defense policy, the revival of social welfare for military personnel and their families and dependents, etc.

At Scientific Research and Technological Innovation, Minister KABANDA's work was not one of commentary, but of action. History will remember him for the organization in August 2023 of the landmark and historic event, the first Conclave of Congolese Scientific Genius, which brought together in the capital Kinshasa more than 150 researchers, inventors and innovators, some of whom live in Kinshasa and others from the hinterland and abroad.

A digital portal has also been set up, enabling researchers, inventors and innovators to promote themselves and



Diploma of Excellence presented by the press to Gilbert KABANDA, Minister of RSTI



Family photo of the Minister of RSIT with the Press

their discoveries. The 47 inventions/innovations have been made available to the Ministries of Industry and Entrepreneurship, Small and Medium-sized Enterprises for industrialization and condemnation by the Congolese people.

Several other initiatives have also been taken, including the creation of incubators and the National Research Fund.

Communication Unit of the Minister of SRTI and MAZONO MPIA Christian/NSC

Speech by the Minister of Scientific Research and Technological Innovation at the press award ceremony on April 07, 2024

“

You felt it deserved an award; I think I'm not the only Minister you're awarding this prize to, there should be other Ministers too, because I don't think I'm the only Minister deserving it.

You've made your diagnosis, your choice, about me and probably about others, what can I say? Thank you for this reward, while I'm still alive, because there are rewards that are given after death; you're giving it to me while I'm still alive;

All I could add is that: You should not only stop at what I've done, but also explain the depth of what I've done, because it's not enough to say "Defense Policy"; it's not enough to say "Scientific Research, Innovation and Invention";

You who are the people's spokespersons, or rather the people's trust, have to explain to the people: what does the Conclave mean, what does an inventor mean, what does the military programming law mean, what does the defense industry mean? You have to be able to explain this to the people, so that they understand what their government is doing for them.

So don't stop at today's ceremony, whether it's for me or for other ministers, be the faithful spokespersons of our government to the people, because I think that in three years, our Warriors' government has done things that we hadn't done in ten; but the people are drowned in a certain confusion where we don't mention the merits



Gilbert KABANDA, SRTI Minister

of the ministers, whether it's me or X,Y,Z other ministers, so that the people know that "Yes" the situation is difficult but there is hope that we can get out of it "SEEN", "SEEN";"SEEN....."This is your duty.

It's not up to us ministers to advertise, at least not me personally. It's up to you to explain, to shed light on all the government's actions.

We've done three years, and I'm not the only one with meritorious deeds in terms of medals and moral rewards. I ask you to go and do this for other ministers too, so that the people are sufficiently informed.

Let the people remember that the Warriors' government led by Jean Michel SAMA LUKONDE did "This, this and that" objectively.

”

Thank you very much.

Dr Gilbert KABANDA KURHENG

NSC activities

NSC organizes its 52nd ordinary session 2024

The National Scientific Council(NSC) held its 52nd ordinary session on Wednesday, March 27, 2024 at the GMRC's Salle Saint Valentin in Gombe township.

The 52nd ordinary session focused on a number of issues. In his opening address, the President of the NSC, Professor Pius MPIANA TSHIMANKINDA, informed members of the achievements of the intersessional period.

The items dealt with during this session included the reading and adoption of the minutes of the 51st ordinary session of the NSC held on January 31, 2024, the record of decisions taken and recommendations made at the 51st ordinary

session held on January 31, 2024, the report of the commission charged with considering specific bonuses for Scientific Research and Technological Innovation staff, the 2024-2025 budget of the Research Centers and Institutions, the 2024 scientific interventions of the Research Centers and Institutes, the examination of appointment and promotion files of the agents and executives of the Research Centers and Institutes, the adoption of the organic framework of the NCRS and other matters.

It should be noted that this session was largely dominated by the examination of dossiers for the appointment and promotion of scientific and administrative

executives from Research Centers and Institutes. A total of 17 institutions were involved, having submitted candidate files. There were Geologic and Mining Research Center (GMRC), Center for Research in African Languages and Cultures (CRALC), National Center for Remote Sensing (NCRS), Water and Environment Research Center (WERC), Research Center on Teaching and Mathematics(RCTM), Health Sciences Research Institute (HSRI), Social Sciences Research Center(SSRC/Bandundu), Human Sciences Research Center(HSRC), Chemical, Biological, Radiological and Nuclear Center of Excellence (CBRNC), National Committee Against Ionizing Radiation(NCAIR), Center for Multidisciplinary Research of Development (CMRD/Bunia), Natural Science Research Center (NSRC/Lwiro),-

Congo Geographic Institute (CGI), Research Center in Applied Sciences and Technologies (RCAST), French Atomic Energy Commission (AEC), National Institute for Agronomic Study and Research (NIASR), Hydrobiology Research Center (HRC/Uvira), some points were

discussed. These included information given by the president of the Board on Science Day, to be held from April 06 to 10, 2024, and the presentation of the specimen service card, which was adopted by the members.

Finally, the President urged participants

to avoid conflicts between members of the management committee, and invited CEO to take part in the training modules organized by NSC.

MAZONO Christian and BELESI Consort/NSC

NSC and WERC raise awareness of the importance of water in the scientific community.

« The aim of this scientific morning was to raise awareness among scientists and the Congolese population of the importance of water, its management and use », announced the President of the National Scientific Council (NSC), Professor Pius MPIANA TSHIMANKINDA, at a scientific morning co-organized by the National Scientific Council (NSC) and Water Environment Research Center (WERC), on March 22, 2024, in Kinshasa to mark World Water Day, celebrated every year on March 22..

According to the President of NSC, this scientific morning, held in the Me José Mpanda room at RCHS, focused on four themes. These were: the importance of water and water users, access to water as a source of peace or conflict, polluted water as a source of conflict, and the life of our rivers. All these themes were presented by researchers in the field of water and the environment.

"Every March 22, at international level, we reflect on water. There are many aspects and problems concerning water, and thanks to this morning, we want to show the Congolese population the importance of water in various areas of life", noted the President of NSC.

"When we talk about wastewater management and waste dumped in water, the reality is not the same everywhere in the DRC. If you go to the villages, the level of water pollution is not the same as in big cities, especially Kinshasa. That's why scientists need to take the time to assess the situation and identify possible solutions. That's why NSC, in collaboration with the Water and Environment Research Center (WERC), was keen to organize this day", he added.

"We pledge that, by the grace of God, if He gives us the breath of life, from now on every March 22, we'll be there to reflect on water issues and perhaps take stock of what's been done during the year and plan for the following year.

perhaps take stock of what's been done during the year and plan for the following year. As each year's theme changes, we'll be adapting to it," he asserted.

The General Director of WERC, Professor Patience NGELINKOTO, said that her institution had seized the opportunity to present its research work and the data available, to be made available to society and especially to the sectors responsible for water management.

"We're here to support the water sectors, so that with our research and data, we can help find solutions to the problems and challenges facing society in relation to water. We're going to cover all the problems and challenges that need to be revealed in relation to water management and use", she emphasized.



Professor Patience NGELINKOTO, CEO of WERC

Let's note that this scientific morning is organized under the international theme "Water for Peace". According to the United Nations (UN), billions of people could be deprived of these services by 2030 if efforts are not redoubled: 2.2 billion people still live without safely managed drinking water, 115 million of whom drink surface water.

Research institutions are obliged to organize scientific days where researchers can enlighten opinion on a subject based on science, and the NSC ensures that this is done.

MAZONO MPIA Christian/NSC

Closing Women's Month: UWSRC/NSC organizes a scientific morning

Union of Women in Scientific Research in Congo of the National Scientific Council (UWSRC/NSC), organized a scientific morning to mark the closing of International Women's Month Day on April 02, 2024 in Kinshasa.

During the course of the day, a number of topics were addressed by the speakers, including the notion of drug storage, the importance of nursing sciences, etc.

Several authorities and personalities were present at the ceremony. They included: the President of the NSC, the Perma-

nent Secretary of the NSC and a number of executives from research institutions.

Some testimonials were given to encourage women to work on research and propose appropriate solutions for the country's development.

The ceremony was an opportunity for the women involved in research to meet and exchange ideas, thus strengthening the ties between them.

MAZONO MPIA/NSC

Africa and the realities of the post-CORONA world: Challenges and prospects

Africa, in the context of the post-Corona world, is at a crucial crossroads, faced with complex issues and diverse perspectives. The pandemic has revealed both the continent's vulnerabilities and its untapped potential.

On the one hand, the response of certain African countries to the health crisis has demonstrated resilience and a capacity for innovation, as illustrated by Madagascar and the Malagasy Institute of Applied Research (MIAR), which have developed a cure for Covid-19. This raises the question of Africa's scientific and medical autonomy, highlighting the need to promote in-house research and the valorization of traditional knowledge.

On the other hand, dependence on

the World Health Organization (WHO) has highlighted a certain subordination of Africa to Western decisions and standards, revealing asymmetries in the sharing of knowledge and power.

This calls for in-depth reflection on how African skills can be fully recognized and integrated into global health decisions.

The economic stakes are also crucial, with major impacts on sectors such as tourism and exports. The diversification of African economies, the promotion of local entrepreneurship, and the strengthening of health infrastructures are becoming essential priorities to guarantee economic resilience in the face of future crises.

In this dynamic, Africa has the opportunity to redefine its role on the world stage, not just as a beneficiary, but as a

significant contributor to discussions and solutions. Intra-African cooperation, the promotion of scientific education and highlighting local success stories are key levers for meeting these challenges.

In short, Africa needs to navigate the post-Corona world with discernment, capitalizing on its internal strengths, challenging pre-existing structures, and forging a path that is both autonomous and collaborative.

The prospects lie in the continent's ability to learn from the current crisis to build a more resilient, equitable and prosperous future.

*Prof. Jean Paul NGBOLUA KOTO-TE-NYIWA,
Scientific Advisor/NSC*

Echoes of Research Institutes

The AEC organizes a scientific morning on the theme of water

The French Atomic Energy Commission. (AEC) organized a scientific morning on the theme of

This scientific activity was led by AEC research chemist Christian POLOTO, based on the scarcity of water produced by REGIDESO.

According to the researcher, this scarcity of water has led to the proliferation of boreholes in the provincial city of Kinshasa and elsewhere.

Some questions were raised, notably: is borehole water safe for human consumption?

He pointed out that all groundwater is



potable. But when it comes to the surface, it will encounter particles of all kinds, depending on the environment.

The speaker concluded that any consumption of water collected in

the wild should require prior control to determine its drinkability.

Mélanie MWAMINI/AEC

April 6 to 10: Science and Technology Week.

According to the head of ASBL *Investing In People*, this edition promises to be a major milestone in the promotion of scientific and technological culture in the DRC and, more broadly, on the African continent. It will also be held in Brussels from April 27 to 29, 2024.

The theme of SST11 is "Science as a common language here and there". The event positions itself as a bridge between diverse scientific communities, encouraging fertile dialogue to address and resolve global challenges through the prism of science. This year, 2024, the focus is significantly on the dynamism and impact of our network of Catalysts, those passionate young people spread across the country, whose commitment and local initiatives embody Africa's vibrant contribution to the world of science and innovation.

The objectives of SST11.

Science and Technology Week has established itself as a key event in the scientific and educational calendar in the Democratic Republic of Congo and beyond, with ambitious objectives aimed at promoting science and innovation as drivers of development and social change:

1. Developing an inclusive and sustainable scientific culture in Africa: We are committed to creating an environment where science and technology are seen not only as vectors of development, but also as tools accessible to all.
2. Highlighting and promoting African knowledge and know-how: SST11 April 6 to 10: Science and Technology Week is a unique platform for showcasing Africa's significant contributions to global science.
3. Inspiring vocations in science and technology: Through a series of interactive activities, workshops

and conferences, SST11 aims to inspire the next generation of scientists, engineers and innovators.

Impact on Sustainable Development Goals (SDGs)

SST11 aligns closely with the United Nations Sustainable Development Goals, in particular:

- SDGs 4 (Quality education): educational activities aim to guarantee access for all to quality scientific and technological education, encouraging lifelong learning and promoting innovative teaching methods.
- SDGs 5 (Gender Equality): a commitment to promoting gender equality in science and technology, highlighting the achievements of women scientists and encouraging the participation of girls in our activities.

Contribution to the African Union's Agenda 2063

The efforts are also in



line with the vision of Agenda 2063, aimed at transforming Africa into a prosperous continent based on inclusive growth and sustainable development. In particular, SST11 contributes to:

- Aspiration 6: By capitalizing on the potential of young people and women, we encourage their active and informed participation in science and innovation.
- Aspiration 7: Through knowledge sharing and networking, we strengthen Africa's role as an influential global player and partner in science and technology.

STIB editorial office

Professor David NGINDU BUABUA, a promising assessment for the sustainable development of space sciences in the DRC

During the year 2023, the NCRS's General Manager has been in charge of the Institution's general policy, making sure that all the Departments attached to his Institution are running smoothly. Within the scope of his prerogatives, the General Manager has ensured the day-to-day management of the Institution through various activities such as:

- Follow-up to the NCRS staffing au-

dit, which took place from November 24 to December 07, 2022, to ascertain the exact number of NCRS managers and staff. A daily attendance system has been in place since January 2023, and disciplinary action has been taken against absentees.

- Active participation in working sessions organized by His Excellency

the Minister of Scientific Research Innovation or by his Cabinet Director.

- The accompaniment of His Excellency the Minister of Scientific Research and Technological Innovation in Turkey to answer the call of his counterpart, the Minister of Industry and Technological Innovation of Turkey, who had organized a week of exhibitions on the new innovations of his country.

- Carrying out official missions.
- From April 28 to May 1, 2023, the General Manager of the CNT was part of the delegation of His Excellency Dr. Gilbert KABANDA KURHENGA, Minister of Scientific Research and Technological Innovation of the DRC, in Istanbul, at the invitation of His Excellency Dr. Gilbert KABANDA KURHENGA, Minister of Industry and Technology of the Turkish Government, to attend Turkish technological exhibitions and innovations.
- From August 27 to 29, 2023; participation of the Head of the NSRS in the Scientific and Technical Workshop in Pretoria, within the framework of cooperation with the Republic of South Africa through the South African National Space Agency, "SANSA".
- From August 30 to September 02, 2023, participation of the CEO and the delegation in the South African National Space Conference at the International Convention Center of the Scientific and Industrial Research Council (SIRC) in Pretoria.
- From November 06 to 10, 2023, the NCRS CEO took part in the scientific activities of AFRIGEO and the 2023 Ministerial Summit in Cape Town, with the Official Signing Ceremony of the Memorandum of Understanding within the framework of cooperation between the Republic of South Africa and the Democratic Republic of Congo through the South African National Space Agency (SANSA). The ceremony was sponsored by their Excellencies the Ministers Dr. Gilbert KABANDA KURHENGA and Dr. Emmanuel BLADE NZIMANDE, respectively Minister of Scientific Research and Technological Innovation and Minister of Higher Education, Science and Innovation.
- From November 27 to December 13, 2023, the NCRS's CEO took an active part in training on tropical forest management using remote sensing at the National Remote Sensing Center (RESTEC) in Tokyo, Japan;
- Participation in Sessions and Training organized by the National Scientific Council (NSC) and in meetings organized at the GMRC during 2023, where he was member of the Commission for the processing of promotion and appointment files placed under reserve due to a lack of this or that element to complete. He was also a member of the Commission negotiating the partnership contract between the NSC and the National Pedagogic University (NPU) to help researchers from various Research Centers and Institutes pursue their "D.A.S" studies.
- Renewal of projects between the National Center for Remote Sensing (NCRS) and the Japan International Cooperation Agency, JICA, as part of development cooperation between the Democratic Republic of Congo and the Empire of Japan;



Prof. David NGINDU BUABUA, Directeur Général du Centre National de Télédétection

- Negotiations with the Japanese Embassy for the continuation of the National Remote Sensing Center Improvement Project;
- Active participation in International Women's Day, with the main theme being "The role of digital technology in empowering NCRS women". The NCRS as an institution whose main tool is remote sensing, will have to use mainly digital information to process it and make it available to users of remote sensing products.
- It goes without saying, therefore, that NCRS employees should be familiar with computer tools in this technological age. The meeting featured a number of presentations, including one by a NCRS scientist and one by a geology researcher, who urged NCRS women to take up training, as they are an integral part of the assets the CNT needs to develop and achieve its objectives. The General Manager then warmly invited and encouraged the NCRS's female agents to continue this momentum. participation in the Exchange of Notes (EN) ceremony, at the Ministry of Foreign Affairs and Francophony, within the framework of economic cooperation between the Empire of Japan 38 Special Edition Retro 2022-2023 News from the NCRS The

- website technical cell in working session with the Technical and Operations Director, Ir. Pierre Bukasa DICKEMEN and the Democratic Republic of Congo for a grant equivalent to \$7,000,000 to be awarded to the DRC in February 2023 as part of the " National Remote Sensing Center Upgrade Project, (NCRS)". This ceremony was followed by the signing of a Memorandum of Understanding between the Empire of Japan and the Democratic Republic of Congo. The administrative procedures began immediately after this agreement, and work is scheduled to start in February 2024.
- The participation of the CNT General Manager in the 10th Edition of the Science and Technology Seminar organized by the ASBL INVESTING IN PEOPLE, IIP, at Gombe Institute/ Kinshasa on 27/04/2023, where he led a seminar on "Downloading Satellite Images".
 - Facilitation and continuation of administrative procedures with JICS for the construction of the NCRS headquarters building;
 - The active participation of the NCRS General Manager in the Conclave of Congolese Scientific Council organized by the Ministry of Scientific Research and Technological Innovation.

- Elaboration of the NCRS brochure;
- Elaboration of the NCRS memory aid for the new Minister of Scientific Research and Technological Innovation;
- Elaboration of the NCRS 2022 Activity Report;
- Drafting of the NCRS magazine Congoles Remote Sensing *;
- Drafting of the NCRS's Organizational Framework;
- Finalization of the NCRS Strategic Plan;
- Organizing weekly meetings for agents in each department;
- Training and coaching agents in each department;
- Encouraging agents to take part in training courses at local level and/or abroad

NCRS Communications Department

DWSRC/GS/SRTI organize a scientific morning



The Dynamics of Women in Scientific Research in Congo of the General Secretariat for Scientific Research and Technological Innovation (DWSRC/GS/SRTI), organized a scientific morning to mark the close of Women's Month on March 28, 2024 in Kinshasa.

Some topics were addressed during the day, including anemia-related illnesses

(SS), the importance of mangoes, and the role of women in administration.

Some testimonials were given to encourage women to work on research and propose appropriate solutions for the country's development.

The ceremony provided an opportunity for the women involved in research to meet and exchange ideas, thus

strengthening the bonds between them.

Several authorities and personalities attended the ceremony. They included: the General Secretary of SRTI, the President of NSC, and a number of staff and executives from GS/SRTI, NSC and Research Institutions.

MAZONO MPIA/NSC

CWSRD/NCAIR organizes a scientific morning



The Congo's Women's Scientific Research Dynamics of the National Committee Against Ionizing Radiation (CWSRD/NCAIR), organized a scientific morning under the theme "training and self-training of women with a view to upgrading the NCAIR", on April 04, 2024 in Kinshasa.

This major event brought together a large and enthusiastic audience to discuss key issues relating to the training and professional development of women at NCAIR. Speakers shared their experience and knowledge, highlighting the importance of continuing education and self-training for women's personal and professional development.

Accompanied by members of the NCAIR Management Committee, participants were able to attend an inspiring conference and lively debates, offering a genuine space for exchange and reflection on the issues of gender equality and women's empowerment in the workplace.



Prof. NYAMOGA KABANDA Floriment President of NCPIR



Prof. Odette KABENA, Vice President and Executive Secretary NYANGURA AMISI all from NCPIR

This scientific morning was a real success, underlining the commitment and dynamism of the women at NCAIR in promoting education and training for all, and reaffirming the essential place of women in the Scientific Research and Technological Innovation sector.

NGANDOMWALI DONDO Nana Rose/ NCAIR

RCALC/Kisangani: Professor Emmanuel NGBANGA hosts a scientific conference..



Professor Emmanuel NGBANGA led a scientific conference on the occasion of World Mother Language Day on the theme of "Languages and Know-How: vocabulary on food processing case of cassava 'iyembe' by the Ngelema people of the D.R.C.", on February 24, 2024 at the Research Center for African Languages and Cultures (RCALC/ Kisangani).

In his presentation, Professor Emman-

uel NGBANGA pointed out that "Ngelema" is one of the mother tongues spoken in the DRC. But it remains less well known by the scientific community. She called on all researchers to acquire a plurality of knowledge.

"The publication of this article will let the world know that in the DRC, there is a people who know about manioc. They know how to transform it in different ways. What's more, there's a name

for this transformation, and it's a linguistic and dietary enrichment", added Professor Emmanuel NGBANGA.

Several RCALC researchers took part in this conference, which was of great interest to them. Several pertinent questions were asked and a number of recommendations made.

LOTIMA ANDANDA/RCALC

Renal insufficiency: Vital awareness of the hidden dangers of carambola.

Carambola, the fruit of a plant called carambola or *Averrhoa carambola*, is a tropical fruit also known as starfish because of its characteristic shape. The fruit contains an active ingredient called caramboxine. Although generally harmless to most people, caramboxine can be extremely dangerous for people suffering from renal insufficiency.

When the kidneys are functioning normally, they effectively filter harmful substances, including caramboxine, from the body. However, in people with kidney failure, the kidneys' ability to eliminate these substances is compromised. As a result, caramboxine can accumulate in the bloodstream and cause intoxication, leading to severe symptoms such as convulsions, confusion and even coma.

In the most severe cases, this can even lead to death.

This is a public health issue that requires greater awareness and popularization, particularly among those at risk, such as those suffering from kidney failure. It is crucial that these people are informed of the potential dangers of carambola and advised to avoid it altogether.

To reduce the risks associated with starfruit consumption by people suffering from kidney failure, it is essential to raise awareness of these risks. Information and awareness campaigns should be conducted in communities where renal failure is prevalent, warning of the dangers of starfruit and recommending that its consumption be avoided. Health professionals should also be trained to recognize and treat cases of starfruit intoxication,

particularly in patients with renal failure.

Biochemically, in cases of kidney failure, caramboxine, an acidic organic compound with a chemical structure close to the amino acid phenylalanine, is not eliminated from the body and can accumulate in the brain, leading to neurotoxic effects.

In conclusion, starfruit and its caramboxine can represent a serious danger for people suffering from kidney failure. It is imperative to raise public awareness of these risks, and to recommend that at-risk individuals avoid consumption of this fruit altogether to prevent potentially fatal complications.

NGBOLUA KOTO-TE-NYIWA, Ordinary Professor (UNIKIN) Scientific advisor/NSC-MSRTI

Black page: Hotel owner Béatrice André KADIMA n'est plus

The owner of the Béatrice hotel and restaurant la chaumière died on Tuesday, April 09, 2024 in South Africa..

The news came as a bolt from the blue. André KADIMA died of a heart attack.

A former engineer trained at the Higher Institute of Applied Techniques in Kinshasa (ISTA), André KADIMA had extensive experience with Congo Petroleum Companies (SEP CONGO). He was also a former director of the Federation of Enterprises of Congo (FEC), and owner of various companies in the DRC.

A man with a big heart, he created a foundation that bears his name and works for the most vulnerable throughout the Congolese territory. A father to many, a source of pride to an entire community. Peace to the charitable soul of the illustrious departed.

Jeanpy kalombo NCRS



At the time for innovation

Researcher Winny AN-DROMED presents his innovation Muzikin distribution

Muzikin distribution is a digital music distribution prototype invented by researcher Winny Andromed in the Democratic Republic of Congo. It enables artists to earn money by distributing their music on streaming and legal download platforms such as Spotify, Deezer, Amazon, Apple Music, etc., and facilitates revenue collection via mobile money.

Particularities of Muzikin distribution

Foreign distributors, particularly American and European, pay artists' revenues by PayPal transfer.

However, out of 54 African countries, it is impossible to withdraw money via PayPal in 51 countries, with the exception of 03 countries (Malawi, Egypt and Algeria), which prevents African artists from receiving their income. With a policy adapted to African realities, Muzikin Distribution is currently the only distributor to offer payment by mobile money (Airtel Money, Orange Money, M-Pesa & Afrimoney) as well as by bank transfer

track your statistics in real time from your muzikin account.

- this includes the exact number of your streams and downloads on all platforms, so you'll know exactly who has listened to or bought your music, on which platform, as well as the country and city where that person is located, offering real-time geolocation of your fans.
- this also includes tracking of all videos containing a sample of your music on tik-tok, facebook, instagram, snapchat and YouTube, as well as the total number of views on these platforms.

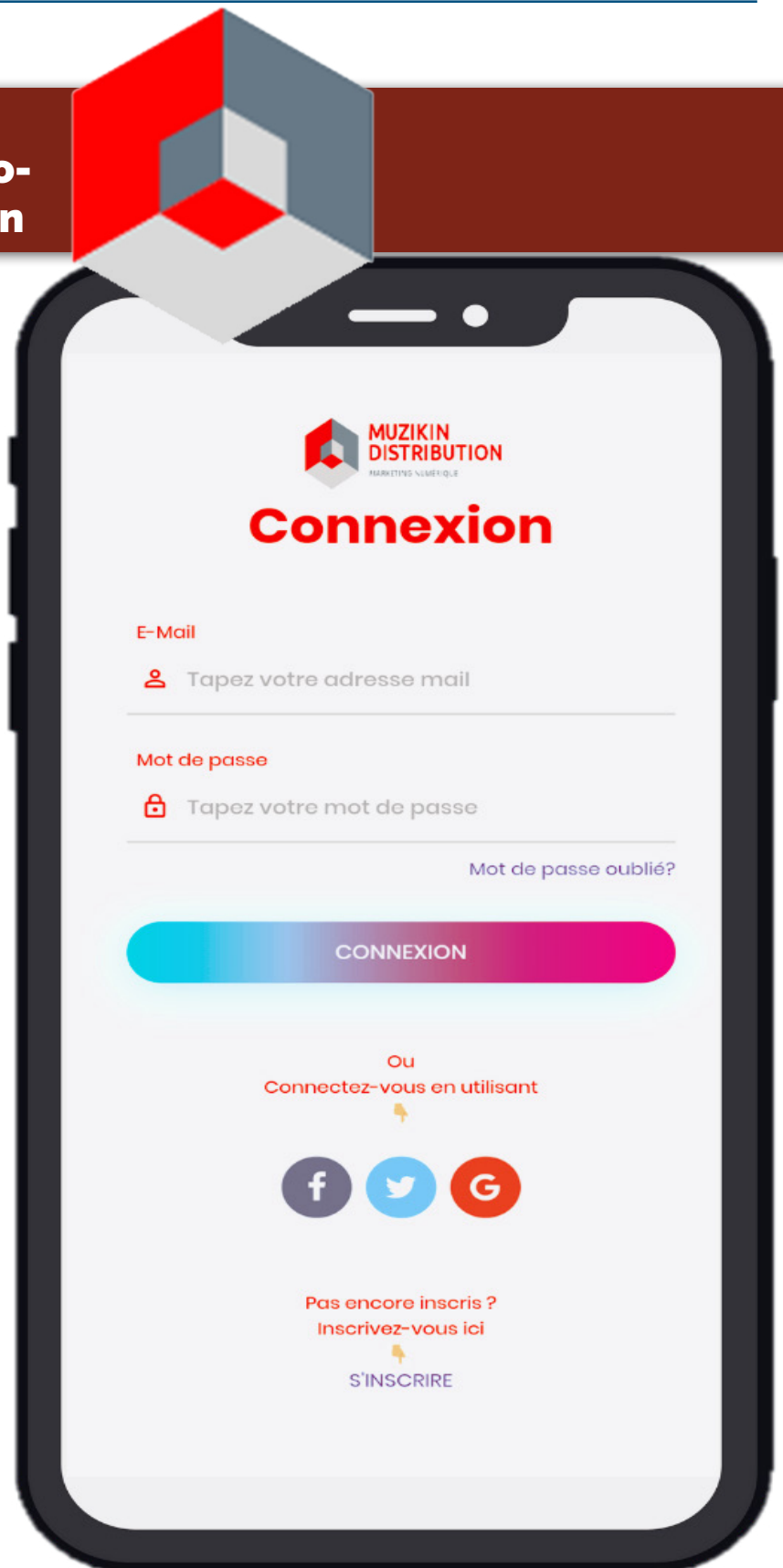
Advantages of Muzikin distribution

- VEVO CHAIN

VEVO is an online music video distribution created in partnership with YouTube. Artists can publish their official clips and music videos. The benefits of having a VEVO YouTube channel include increased visibility for your music, access to advanced promotional tools, detailed statistics on your audience and the possibility of monetizing your videos. monetize your videos through advertising.

- APPLE MUSIC VIDEO

Apple Music video is a music streaming service that gives users access to mu-



sic videos, concerts and artist documentaries. It reaches a wide audience worldwide who use the Apple Music platform. To generate money, artists can benefit from revenues generated by viewings of their content.

STIB editorial office

PUBLIC-SECTOR RESEARCH CENTERS AND INSTITUTES IN THE D.R. CONGO

RIHS (Research Institute in Health Science)

Objective: To improve the state of health of the population through research in the following fields: pharmaceutical, medical, anthropological, psychological or socio-cultural.

Address: 9, Av. Lukusa C/Gombe; E-mail: dnyembo@gmail.com; Tel: 0824580211

ATSRC (Applied and Technologic Sciences Research Center)

Objectif: Mettre au point des matériaux, des appareils, des méthodes ou procédés Objective: To develop materials, equipment, methods or processes with a view to finding solutions to the population's urgent problems in various fields: housing, rural development and the modernization of the society.

Address: 106, Blvd du 30 Juin, C/Gombe; E-mail: Jeannoel.mputu@gmail.com; Tel: 0821138261

RCHS (Research Center in Human Sciences)

Objective: To ensure the human development of the Congolese people through the study of its social, economic and political dimensions with a view to identifying the factors that have a positive or negative influence on its development.

Address: .33,Av.comité urbain C/ Gombe; E-mail: mingashang@yahoo.fr; Tel: 0819377821

RCMT (Research Center in Mathematics Teaching)

Objective: To carry out research in the field of mathematics teaching with a view to improving quality.

Address: 84, Av. des Ambassadeurs C/ Gombe; E-mail: mabelamatendorostin@gmail.com; Tel: 0815031877

GRC (Geophysical Research Center)

Objective: To provide the country with a national geophysical observation network, for the global study of the internal behavior of the earth in the DRC.

Address: 44, Av. de la démocratie, C/ Gombe (within GMRC); E-mail:tondozi@gmail.com; Tel: 0854426228

AIPS (African Institute of Prospective Studies)

Objective: To carry out forward-looking studies in order to propose solutions to crises and problems linked to the evolution of African societies.

Address: Av. Cardinal Malula, C/ Lemba; E-mail: mgrtaricibangu@yahoo.fr; Tel: 0996658741

MDRC (Multidisciplinary Development Research Center/Matadi)

Objective: To carry out operational research in central Congo in the field of applied linguistics of African cultures and applied sciences

Address: Hôtel de la porte Matadi; E-mail: Mwanzanicolas5@gmail.com; Tel:0815037949

NCPIR (National Committee for the Protection of ionizing Radiation)

Objective: - Regulatory authority for protection against the dangers of ionizing radiation in the DRC management of radioactive sources of radioactive materials such as uranium.

Address: 4675, Av. Colonel Ebeya, Immeuble Quitus 2ème niveau; Email: Flory1963@gmail.com; Tel: 0816684665

AEC (French Atomic Energy Commission)

Objective: To carry out, promote and coordinate scientific and technical research in various fields of science and industry, concerning the use of atomic energy and space research.

Address: UNIKIN building; E-mail: Steve.muanza.kamunga@gmail.com; Tel: 0808643248

CGI (Congo Geographic Institute)

Objective: Production of the base map of the DRC at a scale of 1/50,000 and its derivatives.

Address: 106, Blvd du 30 Juin, C/Gombe; E-mail: Fidele.balibuno@unikin.ac.cd; Tel: 0974449240

GMRC (Geologic and Mining Research Center)

Objective: To carry out studies and analyses to improve knowledge of the soil and sub-soil of the national territory.

Address: 44, Av. de la démocratie, C/ Gombe; E-mail: rolandkakule@gmail.com; Tel: 0851506161

NIASR (National Institute for Agronomic Study and Research)

Objective: To promote the development of agriculture in the Congo. To maintain varieties, multi-local trials, and its farmers, management and conservation of germplasm. Set up a program to monitor and evaluate research activities. To disseminate new varieties. Give the emerging technical department its reason for being, with a view to producing basic and pre-basic seed. Resume publication of the agricultural magazine to disseminate research results.

Address: 13, Av. des Cliniques, BP:2037 KINSHASA, C/Gombe; E-mail: domikankonde@yahoo.fr; Tel: 0818248620

RCALC (Research Center into African Language and Culture)

Objective: To coordinate and carry out all research projects concerning African languages and cultures.

Address: 53 C, Av. Makiso, blvd du 30 juin, Kisangani/ Tshopo. Tel: 0851934320

AFRC (Agro-Food Research Centre/Lubumbashi)

Objective: To identify processes for processing and preserving basic local agricultural products. To improve the quality of imported or locally produced foodstuffs by applying approved standards and quality control. Help the technological development of the existing agro-industry by providing them with technical assistance wherever possible.

Address: 1, Av. Président ILEO, Q/CRAA, C/Lubumbashi; E-mail: Julesnkulu@gmail.com; Tel: 0997131002

SSRC (Social Science Research Center / Bandunduville)

Objective: to carry out practical scientific research into major socio-economic and cultural issues.

To promote sustainable aquatic development.

Address: 29, Av. de la mission, Q/Salongo, C/Basoko. BANDUNDUVILLE, BP. 223; E-mail: akuzituka@gmail.com; Tel: 0815898971

FERC (Forest Ecology Research Center /Mabali)

Objective: Scientific research on plants, aquatic species and animal species.

Address: D.S/MBANDAKA D.S/MBANDAKA/PROVINCE OF ECUADOR; E-mail: bosom-boependi2@gmail.com; Tel: 0825241704

NDRC (Nutritional Diseases Research Center/Gemena)

Objective: Research into diseases linked to malnutrition, such as related diseases by isolating certain molecules, such as SYZYSIUM GUINESIE to combat amoebic yeasts and diarrhea in South Ubangi.

Address: Mobutu n° 220/A. GEMENA/ SOUTH UBANGI PROVINCE; E-mail: cherusangi@yahoo.fr; 0992416091

NSRC (Natural Sciences Research Center /Lwiro)

Objective: To carry out, promote and coordinate research in the fields of science, technology and industry throughout the DRC.

Address: LWIRO LWIRO, TERRITORY OF KABARE/SUD KIVU; E-mail: robert.kasisi@umontreal.com; Tel: 0996806699.

MDRC (Multidisciplinary Development Research Center /Bunia)

Objective: To carry out operational research in the north-east of the DRC in the fields of applied linguistics, African cultures and applied sciences.

Study of nature, fauna, flora and protection of endangered species.

Address: BUNIA/ITURI; E-mail: Kermwathomas@gmail.com; Tel: 0997717070

HRC (Hydrobiology Research Center in Uvira)

Objective: To program, coordinate and monitor research activities in hydrobiology, limnology and hydrology.

hydrobiology, limnology and fisheries in all ecosystems.

Address: 115, Av. du Congo, Q/Kimanga, C/Kalundu, UVIRA / SUD KIVU; E-mail: bida-kamuhoza@gmail.com; Tel: 0997716307.

CoE/CBRNEC (Chemical, Biological, Radiological and Nuclear Excellence Center)

Objective: To contribute to the mitigation of chemical, biological, radiological and nuclear risks.

Address: 106, Blvd du 30 Juin, C/Gombe; E-mail: Odette.kabena@gmail.com; Tel: 0816904370.

GVO (Goma Volcanological Observatory)

Objective: Prevention of volcanic risks by monitoring volcanoes and Lake Kivu. Kivu; Management of natural risks; scientific research.

Address: 142, Avenue Du Rond Point ; Quartier Les Volcans ; Commune de Goma ; Ville Goma; North-Kivu; E-mail: mavotulu@gmail.com; Tel: 0998584734

WERC (Water and Environment Research Center)

Objective: To serve as a training and research center focusing on water and environmental management.

To propose solutions to problems that could arise around water. Create a national network of Congolese scientists and researchers to analyze and disseminate information on the impact of climate change in the DRC. Promote education and the right to the environment.

Address: 44, Comité Urbain C/ GOMBE; E-mail: ngelipatience@gmail.com; Tel: 0818105625.

RCSARP (Research Center for the Selection and Adaptation of Ruminants and Pigs)

Objective: To carry out studies and research in the field of ruminant and pig breeding

Address: 45, Av. Lumumba, Q/de la gare, LUPUTA/ KASAI-ORIENTAL; E-mail: tshamalagabriel@gmail.com; Tel: 0851817370

NCRS (National Center for Remote Sensing)

Objective: Research in remote sensing.

Address: PLACE ROYAL IMMEUBLE PLACE ROYAL IMMEUBLE KASA; E-mail: davidngin-dub@gmail.com; Tel: 0815103502.

NCROS (National Center for Research in Oral Science)

Objective: To carry out studies and research in the field of oral health.

Address: 13, 10ème Rue, Industriel Quarter, C/Limete; E-mail: Cnrsbd.rdc@gmail.com; Tel: 0822244152; 0811835159; 0840922982

CAS (Congoese Academy of Sciences)

Objective: Promotion and dissemination of science, technology, arts and letters. Support for inventive initiatives.

Address: Sciences Faculty/ UNIKIN local 28; E-mail: jjmuyembet@gmail.com; Tel: 0813330242

MIPRC (Matadi Interdisciplinary Pedagogical Research Center)

Objective: -Information science.

Address: The buildings of the Matadi Higher Pedagogical Institute; Tel: 0896501462

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1. to deliberate on the guidelines and priorities of the scientific and technological research plans and programs to be carried out in the country ;
2. to deliberate on the allocation of resources from the State budget to scientific and technological activities;
3. supervising the financial management of research centers and institutes
4. approving the budgets of the Research Institutes and Centers and submitting them to the Minister for Scientific Research for approval
5. approving the organic regulations of the Research Institutes and Centers;
6. proposing to the Minister for Scientific Research the appointment and promotion of scientific and administrative personnel.

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