

SCIENCES & TECHNOLOGICAL INNOVATIONS BULLETIN



NATIONAL SCIENTIFIC COUNCIL

To the discovering the Congolese Scientific Genius Forum 2025

Judith SUMINWA TULUKA launches
the Congolese Scientific Genius
Forum 2025

The CSGF 2025 Jury publishes the
list of the 50 best prototypes

Speech by Minister Marie-Thérèse
SOMBO at the closing ceremony of the
Congolese Scientific Genius Forum

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Professor Pius MPIANA TSHIMANKINDA
NSC President,

Congolese genius in the spotlight

Like a mirror reflecting the promise that Congo is not an entity frozen in time, but a field of possibilities, the *Science and Technological Innovations Bulletin (STIB)* is proud, for its 43rd edition, to honor the *Congolese Scientific Genius Forum (FGSC) 2025*. This event has once again demonstrated the dynamism and creativity of inventors and innovators in the DRC. More than just an annual gathering, the FGSC has become a powerful symbol of our scientific sovereignty and our commitment to development, an affirmation that our future will be forged by our own intelligence.

This forum reflects a deep conviction: our nation's ability to transform itself depends not only on its natural resources, but first and foremost on the intelligence and expertise of its people. It is this light, emitted by every inventor and innovator, that illuminates the path to technological independence and intellectual autonomy.

As readers browse through the pages of this issue, they will discover bold projects, ingenious prototypes, and innovations that respond to the concrete challenges facing our society, from energy to agriculture, security, and health. This is living

proof that "Made in Congo" know-how is a fertile and promising reality.

The National Scientific Council (NSC) is particularly proud of the synergy that has developed this year between the world of research and the spheres of political decision-making. The presence and speech of the Prime Minister, Her Excellency Judith SUMINWA TULUKA, as well as the continued support of the Minister of ESU-RSI, Her Excellency Professor Marie-Thérèse SOMBO AYANNE SAFI MUKUNA, illustrate a strong political will to make science the driving force behind our renaissance. The merger of two ministries into the Ministry of Higher Education, University, Scientific Research, and Innovation (ESURSI) is no coincidence. It reflects a structural coherence that is essential for progress, the recognition that knowledge without action is only a shadow, and that action without knowledge is blind. There can be no strong universities without high-quality research, nor relevant research without concrete application in the service of the nation.

The 50 award-winning projects, a detailed list of which is presented in this issue, are the seeds of our future. Our role now is to ensure

that these seeds germinate and flourish. The support promised through the Congolese Scientific Genius Incubator (IGSC) and the management of the projects are crucial steps in transforming these innovations into real industrial and commercial successes.

This is an opportunity for us to call on all stakeholders, from industrialists to investors, to place their trust in our local talent, because "a star only shines in the sky if you look at it." Congolese ingenuity is not a given; it is an immense potential that must be cultivated, valued, and celebrated. It is a living reality that only needs to be supported in order to shine brightly and light the way to a prosperous and harmonious future. Investing in Congolese ingenuity means investing in a future of prosperity and dignity for our people.



Activities of the Prime Minister

Visit by Prime Minister Judith SUMINWA to the stands

Judith SUMINWA TULUKA launches the Congolesse Scientific Genius Forum 2025

Prim Minister Judith SUMINWA TULUKA launched the third Congolesse Scientific Genius Forum (FGSC) 2025 on Monday, August 11, 2025, in the auditorium of the People's Palace in Kinshasa

The Head of Government conveyed the strong message from the Head of State, emphasizing the vital role of scientists in the country's emergence.

She praised young Congolese

engineers, biologists, and entrepreneurs for their innovations in solar energy, biodiversity, and public health, calling for their promotion through public-private partnerships.



In her speech, Judith SUMINWA announced a historic increase in the budget allocated to scientific research, which now stands at more than 3% of the national budget, compared to less than 1% previously. This measure is part of the

Government Action Program 2024-2028, which provides for: the revitalization of research centers, the dissemination of high-performance technical models, the protection of intellectual property, and synergy between scientists and

authorities.

"I have instructed the government to strengthen mechanisms for promoting the production and dissemination of prototypes developed by our researchers so that they can quickly find their place in the national value chain," the head of government emphasized.

Before concluding, the Prime Minister visited the exhibition stands, discovering the prototypes, inventions, and discoveries of Congolese researchers and innovators. These exchanges highlighted the country's scientific potential and prospects for concrete transformation.

The ceremony ended with a group photo of Prime Minister Judith SUMINWA TULUKA with outgoing SRTI Minister Gilbert KABANDA, FGSC evaluators, and innovators.

MAZONO Christian/NSC



Visit by Minister SOMBO to the CSGF exhibition stands

Activities of the Minister of ESURSI

To the discovering the Congolese Scientific Genius Forum 2025

The Congolese Scientific Genius Forum (CSGF) has established itself as a major scientific event in the Democratic Republic of Congo. Initiated in 2023 by Dr Gilbert Kabanda, then Minister of Scientific Research and Technological Innovation, this annual event aims to showcase and promote Congolese scientific talent..

The CSGF serves as a platform where researchers, inventors, and innovators can not only present their creations, but also receive financial and technical support. Its main objective is to identify, in the DRC and within the diaspora, the most promising research projects for the country's development and the improvement of the socio-economic conditions of its population.

Specific objectives and main activities of the Congolese Scientific Genius Forum

- **Evaluation of innovations** : The forum evaluates the projects submitted by Congolese inventors and entrepreneurs, with a view to rewarding the best.
- **Promotion of science** : It aims to encourage the appropriation of science and technology by the Congolese people.
- **Incentive for creation** : The CSGF motivates young people and

intellectuals to engage in scientific and technological creation for national progress.

- **Valuation and financing** : It provides a favourable framework for government funding of scientific projects and facilitates their industrialisation.
- **Strategic exchanges** : The forum is a space for discussion and strategic reflection between the scientific community, inventors, and government authorities.
- **Project support** : The selected innovations receive financial and technical support from the Congolese government, particularly through specialized incubators.
- **Modernising the sector** : It is helping to modernise the scientific research sector through, among other things, a secure digital platform for

information management.

The schedule for the 2025 Congolese Scientific Genius Forum (FGSC)

- The CSGF 2025 took place in three phases, following a rigorous process: the Pre-Forum, the Forum, and the Follow-up.
- Le Pre-Forum : This registration and evaluation phase, which took place from July 21 to August 6, 2025, enabled the projects to be



ESU-RSI Minister Marie-Thérèse SOMBO greeting RSI Secretary General Odon NDAMBU at the closing ceremony of CSGF 2025

preselected. Of the 602 projects registered, nearly 500 were evaluated. After deliberation, 316 projects that obtained at least 60% of the points were selected for the final phase.

- The Forum : Held from August 11 to 29, 2025, at the People's Palace, this phase featured project exhibitions and discussions. A jury of university professors evaluated



The INA Musicians singing the National Anthem at the closing ceremony of the FGSC 2025

these innovations. The quality of the projects presented was such that the last project selected received 77% of the points.

- The Closing Ceremony: The event was opened on August 11 by Prime Minister Judith Suminwa and closed on August 30, 2025, by the Minister of Higher Education, Universities, Scientific Research, and Innovation, Marie-Thérèse Sombo. The jury



Protocol of the Minister of ESU-RSI, Mr. Derick, at the closing of the CSGF

selected the 50 best prototypes, which will be awarded gold, silver, and bronze medals. Encouragement prizes will also be awarded.

Projects that are not selected will not be left behind. They will be taken on by the Congolese Scientific Engineering Incubator to help them mature and guide them toward potential funding. These innovations will also be integrated into the intellectual property protection



Some participants at the closing ceremony of the CSGF 2025

process in collaboration with the World Intellectual Property Organization (WIPO).

Recommendations for the future

At the close of the Forum, the President of the Scientific Committee, Professor MPIANA TSHIMANKINDA Pius, made the following recommendations to the government:

1. **Institutionalise** the Scientific Genius Forum to be held annually.
2. **Encourage funding** projects by public and private companies.
3. **Promoting inventions** thanks to better protection of intellectual property.
4. **Register scientific research**

Sustainability in the national development strategy.

5. **Use and popularize** projects selected by the general public

Christian MAZONO /NSC and Jean-Luc BALOGIJE SELENGE /RCMD/Bunia

Pre-Forum evaluation: 316 projects selected for the Congolese Scientific Genius Forum



Minister Sombo in one of the evaluators' booths

The Coordination of the Congolese Scientific Genius Forum (CSGF) 2025 published the results of the Pre-Forum of Congolese Scientific Genius innovation competition on 6 August 2025, marking a decisive turning point for

the inventors, researchers and innovators taking part.

In the 493 projects submitted, both in person and online, 316 were selected to participate in the final phase of the Forum

itself.

The results were published on social media a few hours after the final deliberations in the banquet hall of the People's Palace, where the jury members, meeting in plenary session, validated the scores obtained by each participant.

In addition, the jury ruled in a fully transparent manner, selecting only those projects that had reached a predefined rating threshold. The selected innovators were invited to defend their projects at the Forum, taking into account the comments and advice provided by the experts during the pre-forum. This approach aims to enhance the quality and impact of the projects presented in the final phase.

MAZONO Christian/NSC and Pascal MASIRIKA BISIMWA

Speech by Minister Marie-Thérèse SOMBO at the closing ceremony of the Congolese Scientific Genius Forum 2025

" Your Excellency, Mr. President
of the Republic, Head of State,
represented here;

Honorable National and
Provincial Members of Parliament
and Senators;

Your Excellencies, Members of the
Government;

Your Excellencies, Ambassadors
and Heads of Mission;

Mr. Secretary General for Scientific
Research and Innovation;

Mr. President of the National
Scientific Council;

Distinguished professors,
researchers, innovators, inventors,
dear colleagues;

Ladies and gentlemen,
industrialists, investors,
development partners, and
decision-makers;

Dear Congolese people;

Ladies and gentlemen, in your
respective capacities and capacities,
all protocol observed.

It is with great pleasure that I stand here, in this
legendary banquet hall of the People's Palace,
before the elite of our scientific community,
our political leaders, and so many experts in
national life, to close the third edition of the
Congolese Scientific Engineering Forum, 2025,
now a major scientific event and a source of
national pride.

For thirty days, here in Kinshasa, we have
seen the emergence of Congo's most promising
assets: applied intelligence, useful knowledge,
inventive genius from lecture halls to makeshift
workshops, from researchers in lab coats to
inspired artisans, from the diaspora to
compatriots who have remained in the country.

This forum was not just an event: it was a
collective awakening. Our true independence

and sovereignty will depend on our ability to
produce what we consume and consume what
we produce.

I pay tribute to His Excellency the President
of the Republic, Félix Antoine TSHISEKEDI
TSHILOMBO, whose vision places scientific
research and innovation at the heart of
national development and rebirth: building a
knowledge-based economy, where Congolese
ingenuity responds to the existential anxieties
of our people.

Under his leadership, and under the effective
guidance of the Prime Minister, Her Excellency
Judith SUMINWA TULUKA, this vision has
been translated into concrete, ambitious, and
historic reforms.

The recent technical reorganization of the
government has brought Higher Education
and University (ESU) and Scientific Research
and Innovation together under the same
ministry. This is a logical move: there can
be no universities without research, and no
research without innovation.

This reunification paves the way for strategic
alliances with our universities, research
centers, and partner institutions, as well as a
platform for dialogue to share experiences and
best practices.

Our goal is clear: to make the DRC an
innovative and competitive nation, capable of
responding to major socio-economic challenges
through science, technology, and human
capital.

I commend the work accomplished by my
predecessor, Dr. Gilbert KABANDA. It is now
up to us to consolidate these achievements and
go further.

Yes, Congolese scientific genius is alive, fertile,
and now structured. The time has come for
new perspectives: the industrialization of
knowledge. We want to build an economy
based on applied research, useful innovation,
and local transformation.

Instructions have been given to ensure that all
innovations resulting from this 2025 Forum,
as well as those from previous editions, are
rigorously supported by the Congolese Scientific
Genius Incubator (CSGI) in their scientific and
industrial maturation.

In the coming days, once the assessment of
research structures and institutions has been



finalized, we will establish a clear action
research organization dedicated to scaling up
(innovation, partnerships, administration,
financing), with transparent decision-making
bodies.

I will personally oversee the implementation of
the Forum's recommendations. Distinguished
guests, the State provides impetus, but it
cannot act alone. I call on the Federation of
Enterprises of Congo, industrialists, investors,
decision-makers, and partners:

- Invest in Congolese innovation and the
results of our research ;
- Trust our researchers ;
- Order local, consume local, equip yourself
Congolese.

Our products are clean, sustainable, rooted in
our cultural identity and our natural diversity
- the fruits of a discreet but powerful scientific
patriotism.

To you, researchers and inventors in the city
and the village, in the laboratory and the
field, in the DRC and the diaspora, you are
the architects of national reconstruction, the
builders of a sovereign Congo, the entrepreneurs
of our rediscovered dignity. The State is at your

side, with concrete policies, real budgets and rigorous support systems.

I would like to thank our evaluators, experts, professors and sector engineers for their exemplary selection and mentoring work, which guarantees the credibility, scientific relevance and social usefulness of the process.

We don't need miracles: we have our own genius. This genius will :

- Feeding our populations with appropriate agroecological solutions ;
- Improving traffic flow and reducing congestion ;
- Providing clean energy to our schools and health centers ;
- Supporting our defense forces with technological tools ;

- Improving our infrastructure through simple and effective innovations ;
- Educating our children with content rooted in our realities

Yes, science can impose a passionate peace. Yes, innovation can eradicate hunger and guarantee health and well-being. Yes, Congolese ingenuity can restore our dignity, independence, and sovereignty. A new national contract has just been born between science, innovation, and development: a renewed dialogue between researchers, decision-makers, investors, industrialists, and consumers.

Under the leadership of President Félix Antoine TSHISEKEDI TSHILOMBO, the DRC will no longer be a spectator: it will be the source, actor, market, laboratory, and showcase of its own genius, which is destined to be exported.

On behalf of Her Excellency the Prime

Minister, Head of Government, I officially declare the third edition of the Congolese Scientific Genius Forum closed and open the process of promoting scientific, technological, and industrial maturity.

**Long live Congolese Genius!
Long live scientific research and
technological innovation! Long
live the DRC and its President !**

Issued in Kinshasa, August 30, 2023

**Prof. Dr. SOMBO AYANNE SAFI MU KUNA
Marie-Thérèse**

The CSGF 2025 jury publishes the list of the 50 best prototypes

The Coordination of the Congolese Scientific GeniusSGF Forum (C) 2025 has published a list of the 50 best prototypes out of a total of 602 projects submitted to the pre-forum and 316 evaluated in the final phase.

These innovations, true showcases of Congolese ingenuity, were presented at the

official closing ceremony presided over by Her Excellency Marie-Thérèse SOMBO, Minister of ESURSI. They cover several strategic areas such as agri-food, infrastructure, security, ICT, basic social services, and the environment, among others.

It should be noted that the owners (winners) of the fifty (50) best inventions/innovations

selected will receive medals from the Head of State, His Excellency Felix TSHISEKEDI TSHILOMBO.

The table below lists the names of the winners of the 2025 edition, whose inventions and innovations are listed opposite their respective names.

LIST OF RESEARCH RESULTS, INVENTIONS, AND INNOVATIONS TO BE AWARDED 2025 EDITION

NAMES OF CANDIDATES	N°	TITLE OF THE RESEARCH RESULT, INVENTION, OR INNOVATION	AREAS OF INTERVENTION	% PRE-FORUM	% FORUM
MAFINGA GIRESSSE	1.	SAKI LOIM PHARMA	HEALTH & WELL-BEING, PRODUCTS_METHODS_SANITARY TECHNOLOGY	83	85
BONGWELE ONANGA GUYGHENS	2.	USE OF CLAY MIXTURES CALCINE-LIMESTONE OR CLAY CALCINE-DOLOMITIC LIMESTONE AS A SUBSTITUTE FOR CLINKER IN THE MANUFACTURE OF PORTLAND CEMENT COMPOUND	ENVIRONMENT, SANITATION, AND CONSTRUCTION	82	85
BANINGI BAMOTANGA ODILON	3.	VSA – 243	AERONAUTICS _ AEROSPACE_REMOTE SENSING	82	84
KANDA MBUYI	4.	DINAMAX	AGRI-FOOD, AGRICULTURE & LIVESTOCK AND AGRO TECHNOLOGY	68	84

BARAKA MAHESHE ARSENE	5.	MACHINE FOR CONVERTING PLASTIC WASTE INTO FUEL	ENERGY, HYDRO ENGINEERING & ELECTRICAL, ELECTRONIC AND MECHANICAL TECHNOLOGY	64	84
LEKATA TEBUNGAGI DOUDOU	6.	BF FLOODING ALERT	ENVIRONMENT, SANITATION, AND CONSTRUCTION	76	83
MUSHIYA NKONGOLO NELLY	7.	SYNTHESIS OF ALUMINUM SULFATE	ENVIRONMENT, SANITATION, AND CONSTRUCTION	74	83
ELOMA EONG'OKOLI GHOTRAN	8.	INCINERATION OF BIOMEDICAL WASTE	HEALTH & WELL-BEING, PRODUCTS_METHODS_SANITARY TECHNOLOGY	81	82
CISHUGI SOLANGE ELVIRAH	9.	BERAKAH TECH	AGRI-FOOD, AGRICULTURE & LIVESTOCK AND AGRO TECHNOLOGY	75	82
CASINGA RAFIKI	10.	VERSAB	ENVIRONMENT, SANITATION, AND CONSTRUCTION	75	82
MUBIALA ROLF	11.	EKENGE	DEFENSE, SECURITY, SOVEREIGNTY, ARMAMENT, AND SECURITY TECHNOLOGY	70	82
KAPINGA TSHIAMI ELYSE	12.	LONGA MOLILI	ENERGY, HYDRO ENGINEERING & ELECTRICAL, ELECTRONIC AND MECHANICAL TECHNOLOGY	69	82
N'SASI MATONDO AUORE	13.	BILENGETECH/RECYSTATION	ENVIRONMENT, SANITATION, AND CONSTRUCTION	78	81
KAMBALE WASINGUA BABA 1er	14.	FIREARM	DEFENCE, SECURITY, SOVEREIGNTY, ARMAMENTS AND SECURITY TECHNOLOGY	74	81
KANDA MUTABAZI SIMON	15.	SOLUTION TO TRAFFIC CONGESTION IN KINSHASA	TECHNO. & AUTOMOTIVE ENGINEERING_ROAD TRAFFIC	72	81
MABLA BOBINA FERAWI	16.	PREPAID WATER PAYMENT SYSTEM	COMPUTER SCIENCE, AI, ENGINEERING & COMPUTER TECHNOLOGY	82	80
KAYEMBE KABITANGA GLOIRE	17.	KKGM MACHINE GUN	DEFENSE, SECURITY, SOVEREIGNTY, ARMAMENT, AND SECURITY TECHNOLOGY	80	80
TAZZ CHARLES RUSELL	18.	OTM LIMBA	ENERGY, HYDRO ENGINEERING & ELECTRICAL, ELECTRONIC AND MECHANICAL TECHNOLOGY	79	80
MULUBA GAUTANGI ALPHONSE	19.	NATIONAL POPULATION REGISTER IN THE DRC	COMPUTER SCIENCE, AI, ENGINEERING & COMPUTER TECHNOLOGY	79	80
SISSI MAZODILA NTUMBA SEPHORA	20.	AGRITECH	AGRI-FOOD, AGRICULTURE & LIVESTOCK AND AGRO TECHNOLOGY	77	80
MUFUNGAMBAKA ELIA ROGER	21.	MASH DICTIONARYI	ART, LEISURE, CULTURE, AND EDUCATION	85	79
BUBI NSILU PAMELA	22.	BBPICK SUPER APP	COMPUTER SCIENCE, AI, ENGINEERING & COMPUTER TECHNOLOGY	80	79
MUHINDO BIHANGO ARSEL	23.	INTEGRATED TRACKING AND TARGETING SYSTEM AUTONOMOUS NEUTRALIZATION (SITCNA)	COMPUTER SCIENCE, AI, ENGINEERING & COMPUTER TECHNOLOGY	79	79
LEKATA TEBUNGAGI DOUDOU	24.	BF MODERN TECHNOLOGY	COMPUTER SCIENCE, AI, ENGINEERING & COMPUTER TECHNOLOGY	75	79
LONGA LONGA MOSENGO JUNIOR	25.	REMOTE BOMB DETONATION DEVICE	DEFENSE, SECURITY, SOVEREIGNTY, ARMAMENT, AND SECURITY TECHNOLOGY	71	79
NZOLA NZOLA EDEN	26.	DELUXE PEDAL-OPERATED HAND WASH BASIN	HEALTH & WELL-BEING, PRODUCTS_METHODS_SANITARY TECHNOLOGY	69	79
KASHANGE MULUME PATRICK	27.	KOKORIKO	AGRI-FOOD, AGRICULTURE & LIVESTOCK AND AGRO TECHNOLOGY	67	79

KABEYA MUADIAMVITA	28.	RESEARCH PROGRAM FOR TERRITORIAL OPENING UP	AERONAUTICS _ AEROSPACE_REMOTE SENSING	63	79
MUTOMBO CIBIAYI FRANCOLIN	29.	TRIBUTE TO THE MINISTER OF SCIENTIFIC RESEARCH	SOCIETY AND HUMANITY	61	79
MUKALENG MURUND	30.	DESIGN AND MANUFACTURE OF NUMERICAL CONTROL MACHINES	ENERGY, HYDRO ENGINEERING & ELECTRICAL, ELECTRONIC AND MECHANICAL TECHNOLOGY	85	78
ILUNGA WA MUKINA	31.	UMEME WETU	ENERGY, HYDRO ENGINEERING & ELECTRICAL, ELECTRONIC AND MECHANICAL TECHNOLOGY	85	78
LONGENJA SAMBO GRACE	32.	MILITARY DRONE	DEFENSE, SECURITY, SOVEREIGNTY, ARMAMENT, AND SECURITY TECHNOLOGY	84	78
MUKOMBOZI ZERU FARAY	33.	SMART SYSTEM	COMPUTER SCIENCE, AI, ENGINEERING & COMPUTER TECHNOLOGY	78	78
LAY EKUAKILE AIME	34.	INNOVATIVE DETECTION IN WATER PIPING USING THE ADVANCED TRANSFORMATION METHOD FOR MAGNETIC RESONANCE	ENERGY, HYDRO ENGINEERING & ELECTRICAL, ELECTRONIC AND MECHANICAL TECHNOLOGY	75	78
HABAMUNGU BALYAHAMWABO NORBERT	35.	SMART INDUSTRY 5.0 DRC	ENERGY, HYDRO ENGINEERING & ELECTRICAL, ELECTRONIC AND MECHANICAL TECHNOLOGY	74	78
MUFUNGIZI BULIBIRHA EMILE	36.	MISU YA LIKOLO	AERONAUTICS _ AEROSPACE_REMOTE SENSING	74	78
MBUSE ANGEMBO KEVIN	37.	ELECTRA SYNTH	ENERGY, HYDRO ENGINEERING & ELECTRICAL, ELECTRONIC AND MECHANICAL TECHNOLOGY	71	78
UKUNDJI UKUNJI JOHN	38.	GEOLOCATION AND FUEL MONITORING	COMPUTER SCIENCE, AI, ENGINEERING & COMPUTER TECHNOLOGY	71	78
LOKENDE NDJOKO JEAN	39.	PRODUCTION OF RENEWABLE AND SUSTAINABLE ENERGY	ENERGY, HYDRO ENGINEERING & ELECTRICAL, ELECTRONIC AND MECHANICAL TECHNOLOGY	70	78
MATADI MUKENDI SERGE	40.	ECO-FRIENDLY SANITARY FACILITIES	ENVIRONMENT, SANITATION, AND CONSTRUCTION	68	78
KASHALA NJINGULULA BENJAMIN	41.	E-SCHOOL B	ART, LEISURE, CULTURE, AND EDUCATION	64	78
IZIAMBI HINGASE MARQUS	42.	IZMAQ A7	DEFENSE, SECURITY, SOVEREIGNTY, ARMAMENT, AND SECURITY TECHNOLOGY	81	77
MATEMPA NSONSA ALAIN	43.	CONVERTER STABILIZER	ENERGY, HYDRO ENGINEERING & ELECTRICAL, ELECTRONIC AND MECHANICAL TECHNOLOGY	78	77
BIOLO MALUNDANA ESTHER	44.	YA BISO VINO	AGRI-FOOD, AGRICULTURE & LIVESTOCK AND AGRO TECHNOLOGY	78	77
LUHATA LOKADI PIERRE	45.	OTRIM (DERMATOLOGICAL SOAP)	HEALTH & WELL-BEING, PRODUCTS_ METHODS_ SANITARY TECHNOLOGY	75	77
CISHUGI SOLANGE ELVIRAH	46.	BIOFERTILIZER	ENVIRONMENT, SANITATION, AND CONSTRUCTION	73	77
KABEYA TSHIKUKU	47.	KMM PARTENERS	ECONOMIE_FINTech_MOBILISATION D'ENTREPRENEURS ET DE FINANCES	72	77

LIST OF FIVE RESEARCH RESULTS, INVENTIONS, AND INNOVATIONS TO RECEIVE SPECIAL RECOGNITION IN THE 2025 EDITION

NAMES OF CANDIDATES	N°	TITLE OF THE INVENTION OR INNOVATION	AREAS OF INTERVENTION	MOTIF
ALIMASI NKOYO ISAAC	1	ROAD PLASTIC	ENVIRONMENT, SANITATION, AND CONSTRUCTION	LESS AGE
MUSUMBU KANINDA GILBERT	2	AGRIBOT TRACTOR	AGRI-FOOD, AGRICULTURE & LIVESTOCK AND AGRO TECHNOLOGY	MORE AGE
ATSHICO KUTANGA	3	KTG-A19-GUSHITAVO	DEFENSE, SECURITY, SOVEREIGNTY, ARMAMENT, AND SECURITY TECHNOLOGY	ENCOURAGEMENT FROM THE JURY
HUNGULA TSHIANG DEBORAH	4	GENE THERAPY	HEALTH & WELL-BEING, PRODUCTS_METHODS_SANITARY TECHNOLOGY	ENCOURAGEMENT FROM THE JURY
MANDEFU BELEZI YVES	5	DRONE EQUIPPED WITH ARTIFICIAL INTELLIGENCE FOR AGRICULTURE	COMPUTER SCIENCE, AI, ENGINEERING & COMPUTER TECHNOLOGY	ENCOURAGEMENT FROM THE JURY


Marie-Thérèse SOMBO visiting a booth

Minister Marie-Thérèse SAFI SOMBO closes the Congolese Scientific Genius Forum 2025

The Minister of Higher Education, University, Scientific Research, and Innovation (ESURSI), Professor Marie-Thérèse SAFI SOMBO, closed the third edition of the Congolese Scientific GeniusSGF Forum (C) on August 30, 2025, in the Banquet Hall of the People's Palace in the Lingwala district of Kinshasa.

In her speech, Minister Marie-Thérèse

SAFI SOMBO pledged to support scientific research and innovation in the Democratic Republic of Congo (DRC). She paid tribute to the Head of State, whose vision places scientific research and innovation at the heart of national development and renewal.

The Minister also stated that she will personally monitor the implementation of the Forum's recommendations so that Congolese

engineering can help feed the population through adopted agro-ecological solutions, improve mobility, reduce traffic congestion, provide clean energy to schools and health centers, support the Congolese defense forces with technological tools, improve infrastructure through simple and effective innovations, and educate children with content rooted in Congolese realities.

In this regard, she urged the Federation of Congolese Enterprises, industrialists, investors, decision-makers, and partners to invest in Congolese innovation and the results of our research, to trust Congolese researchers, and to order and consume locally.

Minister Marie-Thérèse congratulated Congolese researchers, innovators, and inventors for their remarkable achievements and dedication, while pointing out that Congolese ingenuity can restore the dignity, independence, and sovereignty of the DRC.

The head of ESURSI also reminded those present that in the coming days, after the evaluation of research structures and

institutions has been finalized, she will put in place a clear action research organization (innovation, partnerships, administration, financing) with transparent decision-making bodies.

She also praised the work accomplished by her predecessor, Dr. Gilbert KABANDA, expressing the hope that the innovations resulting from FGSC 2025 and previous editions will be rigorously supported by the Congolese Scientific Genius Incubator (IGSC) in their scientific and industrial maturation.

It should be noted that the third Congolese Scientific Engineering Forum, opened on August 11, 2025, by Prime Minister Judith SUMINWA TULUKA, highlighted the talents

of Congolese researchers, inventors, and innovators. More than 500 projects were presented, and juries selected 50 to receive awards. This scientific event aimed to promote inventions 'Made in Congo' and to involve the Congolese scientific elite in the country's development.

MAZONO MPIA Christian/NSC



The President of the NSC, Prof. MPIANA TSHIMANKINDA Pius, welcoming the Minister of ESURSI, Prof. Marie-Thérèse SOMBO

NSC Activities

Closing of the CSGF 2025: CSN President Prof. MPIANA TSHIMANKINDA Pius remains determined

The President of the National Scientific Council (CSN), Professor MPIANA TSHIMANKINDA Pius, delivered his speech at the closing ceremony of the third edition of the Congolese Scientific Genius Forum (CSGF) 2025 on August 30, 2025, in the banquet hall of the People's Palace.

In his speech, Professor MPIANA TSHIMANKINDA Pius reviewed the key figures for this edition. Of the 602 scientific projects, inventions, and innovations submitted, nearly 500 were evaluated and 316 made it through to the final selection stage. "The quality of the projects was such that the last one to be

selected scored 77%," he said, emphasizing the rigor and transparency of the evaluations conducted by a jury composed of university professors.

The NSC President congratulated the 50 winners selected for the Forum. "I would therefore like to extend my warmest congratulations to the winners. Your success is an honor for Congolese science and a promise for the future of our country. You embody excellence and demonstrate that innovation is alive and well in our country," he emphasized.

The head of the NSC encouraged the researchers who were not selected to

persevere, reminding them that all projects will be integrated into the Congolese Scientific Genius Incubator for their maturation and possible protection by the World Intellectual Property Organization (WIPO). Quoting Thomas Edison and Albert Einstein, he emphasized the value of Congolese genius when it is put "at the service of the people and their well-being".

MAZONO Christian/NSC and Pascal MASIRIKA



The President of the NSC, Prof. MPIANA TSHIMANKINDA Pius

Speech by the President of the NSC, Prof. Pius MPIANA TSHIMANKINDA, at the closing of the Congolese Scientific Genius Forum 2025

Your Excellency, Minister of Higher Education, Scientific Research, and Innovation;

Distinguished guests, in your respective capacities and titles, with all due respect;

It is once again a great privilege and immense pride for me to speak on this day of the official closing of the third edition of the Congolese Scientific Genius Forum. You will recall that this forum was opened on Monday, August 11, 2025, by Her Excellency Prime Minister Judith SUMINWA TULUKA, acting on behalf of the President of the Republic, Head of State, Felix Antoine TSHISEKEDI TSHILOMBO.

This followed the pre-forum phase, which took place over 11 working days, from July 21 to August 6, 2025, in this same banquet hall of the People's Palace. Six hundred and two (602) research results, inventions, or innovations were registered, and nearly 500 were effectively evaluated online or in person. After deliberation, 316 projects that obtained at least 60 percent of the points were selected for the final selection.

During this forum, we had the privilege of attending some remarkable presentations. Congolese inventors and innovators presented their projects with passion, rigor, and creativity.

A jury composed of university professors had the difficult task of evaluating these projects. The jury members were unanimously impressed by the ingenuity and relevance of the innovations presented. This confirms, if confirmation were needed, that the daughters and sons of this wonderful country are truly brilliant. We would have liked to give more prizes to honor all these valiant researchers, inventors, and innovators, but unfortunately, the rules set the number of people to be awarded at 50, with 10 gold medals, 15 silver medals, and 25 bronze medals. To this were added five (5) jury prizes to encourage the youngest and oldest innovators in particular. It should be noted that these prizes will be awarded at the next edition, for those of the 2024 edition. Had it not been for the scheduling conflict with the Chancellery of National Orders, the medals would have been awarded today, but it is only a matter of time.

The quality of the projects was such that the last one to be selected scored 77 percent. This means that the projects that were not selected were not without merit. On the contrary, we had up to 162 projects that scored more than 70 percent from university professors, who are generally known for being stingy with their points.

I would like to emphasize here, before all of you, that these evaluations were conducted with complete transparency, in accordance with the rules of fairness and objectivity. Each project was examined according to clear and shared criteria, and each decision was based on the competence and integrity of the jury.

I would therefore like to offer my warmest congratulations to the winners. Your success is an honor for Congolese science and a promise for the future of our country. You embody excellence and demonstrate that innovation is alive and well in our country.

But allow me also to address a sincere word to those who were not selected among the winners. Your contribution is no less significant. You dared to present your ideas, you shared your research and your inventions, and that is an act of courage and greatness. All these projects will be taken on by the Congolese scientific engineering incubator to help them mature and find potential funding. They will also be incorporated into the intellectual property protection process undertaken in collaboration with the World Intellectual Property Organization (WIPO).

I therefore encourage you to persevere. This forum is not an end in itself, but a step along the way. The projects that do not win awards today may become the great successes of tomorrow.

One of the world's greatest innovators, Thomas Edison, said, and I quote: "I have not failed. I have simply found 10,000 solutions that do not work." End of quote.

To all those who have genius, I encourage you to contact our services because there can be no development without science. As Albert Einstein reminded us: "Technical progress is only worthwhile if it is used to serve moral progress." Thus, our Congolese scientific genius only has real value when it is used to serve the Congolese people and their well-being.

Our natural resources—cobalt, copper, coltan, forests, water, biodiversity—only make sense if our scientific genius transforms and enhances them.

To paraphrase Nelson Mandela:

"Education is the most powerful weapon we can use to change the world." Today, we can say that science is the most powerful energy we can deploy to transform our nation.

Distinguished guests

Before concluding, I would like to express the following wishes:

- 1. That the scientific engineering forum be institutionalized and held regularly each year.*

- 2. That sponsorship by various companies and organizations, both public and private, which are future users of research results, inventions, and innovations, be encouraged.*

- 3. That our inventions be promoted through better protection of intellectual property.*

- 4. Scientific research be permanently enshrined in our national development strategy.*

- 5. These projects be genuinely used and disseminated to the general public..*

We would like to thank Congolese innovator Professor Jean Mongu Bele, who donated 10 Okapi phones, the fruit of Congolese ingenuity, to the winners. We hope that this will serve as an example to other Congolese people and encourage local innovation. We would like to thank and encourage all the researchers, inventors, and innovators who participated in this edition. We warmly thank all the evaluators who mobilized to provide this service to the nation. You know how ungrateful our profession can be: those who succeed never say it is thanks to the teacher, and those who fail blame the teacher. No student who gets a 4/20 has ever acknowledged that it is their own fault; rather, it is the professor who "failed" them, but when they get an 18/20, it is their own efforts. We will not escape this rule during our evaluations. I encourage us to continue with the transparency and cordiality with which we have always worked.

To all those who contributed to the success of this edition of the scientific engineering forum, we express our gratitude.

We think of our supervisory authority, the government, and especially the President of the Republic, Head of State, and Patron of Congolese scientific engineering.

Victor Hugo said, "The future is a door, the past is the key." " This forum has been a key: one that opens the door to a better future, guided by science and innovation.

Let us continue to believe in our scientific genius. Let us build together a strong, dignified, and prosperous Congo through science.

God bless you.

Thank you..



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

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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	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
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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	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
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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.	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
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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;
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