

المجلس الوطني للبحث العلمي والتكنولوجيات

National Council for Scientific Research and Technologies



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National Council for Scientific Research and Technologies

National Economy: "From Vision to Impact"

Conceptual Note



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1. Introduction (Rationale)

Nations pass through various pivotal periods throughout their history, requiring more than superficial adjustments and short-term measures. Rather, they require a comprehensive review of vision and approach to ensure that public policies are consistent with real needs and future requirements.

Aspiring to position itself among emerging countries, Algeria is currently witnessing rapidly accelerating transformation in scientific and technological, particularly with the growth of the knowledge economy, the artificial intelligence development, digital technology, and environmental sciences.

These transformations compel the necessity to align the international standards and emerging trends on the national research and innovation system, while working to adapt them to national specificities, thereby strengthening national sovereignty and laying the foundations for an integrated innovation system.

Although, Algeria owns a select group of distinguished researchers and active research facilities that produce innovative ideas, it still needs an effective institutional system that ensure synergizing research efforts and enhance their practical impact, with an emphasis on directing resources and capacities toward national priorities and ongoing structural reforms, thus contributing to achieving sustainable development goals and enhancing national performance in the innovation and knowledge fields.

The research, development, and innovation environment is not merely a set of structures and institutions. Rather, it is a vibrant network and a dynamic system based on interaction and complementarity between the governmental Departments, research bodies, the public and private sectors, and strategic partners, both at local and international levels. Therefore, establishing technology hubs, innovation centers, and university structures remains insufficient without agile governance aligned with the challenges and changes, smooth mobility of competencies activation of effective partnerships, operational cooperation frameworks, and a clear distribution of roles to foster collective action and strengthen the capacity to transform ideas into actionable and innovative solutions.

The national meeting aims to reaffirm that scientific research, technological development, and innovation are not simply isolated academic activities or intellectual luxuries, but strategic pillars of national sovereignty and key drivers of economic and social growth. They also serve as a permanent platform for participatory national dialogue among all development actors, from ministerial departments, public and private institutions to employers' organizations, labor unions, and components of civil society and youth.

This national meeting seeks also to go beyond the diagnosis and analysis of the challenges facing the national research and innovation system, such as issues of research and innovation project funding, complicated administrative procedures, and weak coordination between universities, research institutions, investors, industries, and the labor market. It further aims to articulate a forward-looking vision for anticipating and addressing future challenges, and to propose implementable mechanisms and practical solutions for enhancing the institutional complementarity and operational effectiveness while strengthening the national research and innovation ecosystem.

This National Meeting also seeks to build an inclusive and holistic approach, in-which every actor, from public authorities to full-time researchers, professor-researchers, and entrepreneurs, finds their place, within a process of collective intelligence building aimed at developing an inspiring and accessible national research and innovation system. This is embodied in strengthening the role of research and innovation in developing strategic sectors, such as agriculture, industry, energy, mining, education, and health, as well as their impact on overall development, to ensure the country's national, food, health, water, energy, and technological security

The 1970s embodied an economic model grounded in a sectoral structure of scientific research, strong industrial ambition, and a clear political will to build a knowledge-based economy. This visionary model now merits renewed examination, particularly regarding planning, coordination, and the valorization of research outcomes.

Despite the challenges that accompanied that period, the country witnessed an ambitious industrial takeoff, based on sectoral research structures and a straight-forward looking vision. Today, the fundamental principles of that experience can serve as a source of inspiration, particularly in planning, coordination and and the

valorization of research results, thereby supporting establishment of an integrated national innovation system.

In this context, this meeting serves a space for dialogue and consultation for the National Council for Scientific Research and Technology with all stakeholders, to formulate practical recommendations that address the drawbacks in the scientific research system, valuation and dissemination of its results. It will also articulate the national framework for evaluating the scientific research and innovation policy, through precise criteria and indicators and assesses its economic and social impacts. Furthermore, this meeting will allow the National Council for Scientific Research and Technologies to carry out its mission in guiding, accompanying, and coordinating among all stakeholders, and to make it an essential driver for the modernization of our research and technology system at the service of the national economy."

2. Objectives

2.1 Policy and strategy in the field of scientific research, technological development and innovation

- Clarify the active roles within the scientific research, technological development and innovation system, that serves the government's objectives program, through a shared and harmonized vision among the different stakeholders.
- Strengthening inter-institutional coordination between ministries and public and private enterprises in the field of scientific research, technological development, and innovation in order to ensure the complementarity of efforts between the public and private sectors and to activate the role of civil society and the labor market in supporting this system.
- Creating an effective and integrated environment for scientific research, technological development, and innovation by addressing drawbacks and defeat difficulties through:
 - Commitment of ministerial bodies and economic institutions to an effective involvement;
 - Activating intervention and reform mechanisms;
 - Facilitating relevant legislative and regulatory procedures.

2.2 Accompaniment, evaluation and assessment

- Accompanying led by the National Council for Scientific Research and Technologies (NCSRT) constitutes a fundamental step in the project of preparing

the national strategy for scientific research and technological development, through continuous guidance and coordination within the framework supervised by the government.

- Periodic and systematic evaluation, through the provision of a reference framework (criteria's, indicators, etc.) aimed at monitoring and evaluating research, scientific, and technological policies and strategies. As well as ensuring their alignment with the strategic vision and national objectives.
- Valuing the achieved results comes at the final stage, through strengthening policies that support knowledge transfer and encourage innovation within public and private institutions, thereby contributing in transforming the scientific research and innovation outcomes into economic and social added value. Furthermore, a draft reference framework for evaluating the effectiveness of institutions and mechanisms for scientific research results valorization will also be presented for discussion and enrichment.
- Creating an attractive and favourable environment for youth to create start-ups compagnies and guide them towards strategic national development projects and needs. This constitutes a part and a fruit of this integrated path, where initiatives are evaluated and pioneering ideas are valued within the framework of a sustainable innovation system.

3. Partners

The most important ministerial sectors and public institutions were consulted about the national meeting objectives and themes and joint working groups were put in place to prepare the national meeting.

3.1 Concerned sectors and institutions

1. National Defense
2. Industry
3. Agriculture
4. Higher Education
5. Irrigation
6. Health
7. Algerian Health Security Agency
8. Algerian Academy of Science and Technology

9. Startups
10. Public and Private Economic Institutions
11. National Economic, Social, and Environmental Council
12. Algerian Economic Renewal Council (CREA)
13. Employers and labor Unions
14. Higher Youth Council
15. Civil Society

3.2 Public Economic enterprises

- The National Company for Research, Production, Transport, Transformation, and Marketing of Hydrocarbons (SONATRACH)
- The National Company for Electricity and Gas (SONELGAZ)
- The Civil Engineering consortium, Construction, Civil Works, and Irrigation (COSIDER)
- The National Industrial Vehicles Company (SNVI)
- The National Iron and Steel Company (SNS)
- The National Maritime Passengers Transport Company (Algérie Ferrie)
- The Industrial Cement consortium of Algeria (GICA)
- The Sidar Group (SIDER)
- The Saidal Group (SAIDAL)
- The Algerian Post Office (Algérie Poste)
- The Algerian Telecommunications Company (Algérie Telecom)
- The National Company for Marketing and Petroleum Products Distribution (NAFTAL)
- The Local Industries consortium (DIVINDUS)
- The National Exploration Company (ENAFOR)

3.3 Private economic enterprises: Will be scheduled later

4. Program of the National Meeting

❖ Date and place of the event

- Date of the National Meeting event: 20th -21st , December 2025
- Place of the National Meeting event: Algiers
- Mode: Hybrid.

❖ Program of the event

Saturday, 20th December 2025

Time	Activity
9:00 – 10:30	Opening Ceremony
10:30 – 10:40	Opening and welcoming word of the National Council for Scientific Research and Technology President Officials
10:40 – 10:50	Presentation of the First General Assembly of the National Council for Scientific Research and Technology recommendations
10:50 – 11:00	Video Screening about the National Council for Scientific Research and Technology activities
11:00	Program follow 1. Round Table 1 Policy and Strategy in the field of Research, Development, and Innovation (RDI). 2. Round Table 2 Facilitating the legislative and regulatory procedures of the scientific research system, technological development and innovation system 3. Round Table 3 Support for institutions in the valorization of scientific research and innovation results.
12:30 – 14:00	Lunch
14:00 – 17:00	Program follow 1. Round Table 1 Policy and Strategy in the field of Research, Development, and Innovation (RDI). 2. Round Table 2 Facilitating the legislative and regulatory procedures of the scientific research system, technological development and innovation system. 3. Round Table 3 Support for institutions in the valuating of scientific research and innovation results.

Sunday, 21st December 2025



Time	Activity
9:00 – 11:00	Program follow - 1. Round Table 1 Policy and Strategy in the field of Research, Development, and Innovation (RDI). 2. Round Table 2 Facilitating the legislative and regulatory procedures of the scientific research system, technological development and innovation system. 3. Round Table 3 Support for institutions in the valuating of scientific research and innovation results.
11:00 – 12:30	Reporting, Recommendations and closure
12:30 – 14:00	Lunch

N.B:

- The national meeting is organized through three (03) discussion round-tables.
- Targeted institutions will be represented by 3 members, each (One member in each round table).

Round-Table 1:

Title: Policy and Strategy in the field of Research, Development and Innovation

Round-table will be animated by Professors and experts from economic and social development ministerial sectors, as well as the Algerian Economic Renewal Council (CREA), representatives of employers, Labor Unions, civil society, and the Youth Supreme Council. Two presentations each (10 minutes each), followed by a discussion and recommendations.

Presentation 1: Highlighting the stakeholders' roles in the national scientific research, development and innovation policy, highlighting drawbacks and suggesting of necessary amendments.

Presentation 2: Presenting a draft reference framework (evaluation grid, mechanisms, criteria's, indicators, etc.) for evaluating and approving the national policy for scientific research and innovation. (The draft will be sent by the National Council for Scientific Research and Technology to the concerned bodies fifteen (15) days before the meeting.

Round-Table 2:

Title: Facilitating legislative and regulatory procedures for the scientific research, development and innovation system

Round-table will be animated by Professors and experts from economic and social development ministerial sectors, as well as the Algerian Economic Renewal Council (CREA), representatives of employers, civil society, and the Youth Supreme Council. Two presentations each (10 minutes each), followed by a discussion and recommendations.

Presentation 1: Overview the legislative and regulatory texts for research, development and drawback treatment.

Presentation 2: Accreditation and approval institutions for scientific research products.

Round-Table 3:

Title: Accompanying institutions in valuing the scientific research and innovation results

Round-table will be animated by Professors and experts from economic and social development ministerial sectors, as well as the Algerian Economic Renewal Council (CREA), representatives of employers, labor unions, civil society, and the Youth Supreme Council. Two presentations each (10 minutes each), followed by a discussion and recommendations.

Presentation 1: Strengthening the research results policy in the economic institutions, in particular the private ones. Encouraging innovation and start-ups creation and conducting them towards the government's program goals.

Presentation 2: Presenting a draft reference framework for evaluating the institutions effectiveness that valuing the scientific research results and outcomes