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# Roadmap for Scaling up Resource Efficiency

*Algeria*

English Edition



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Algeria has put into place a National Action Plan for Sustainable Consumption and Production (SCP NAP) whose implementation in industry is reflected in the concept of Resource Efficient and Cleaner Production (RECP). The SCP NAP promotes initiatives that can reinforce transversal approaches to the integration of consumption and sustainable production concepts in all strategic development approaches, including those related to industrial enterprises and SMEs.

In this sense, a roadmap for expanding or scaling up the results of MED TEST II is naturally in keeping with the spirit of the SCP NAP;

This roadmap is an answer to the following questions:

1. How can the RECP support activities continue beyond the SwitchMed Programme, in a perspective of deep ownership and without exclusive recourse to foreign expertise and funding?
2. On which political, institutional, organisational and behavioural dimensions could we act to create the most favourable conditions for the uptake of the RECP in the Algerian industry at a larger scale including the adaptation and/or creation of adequate support systems?

AIM	Inter-ministerial Order	FNEL	National Fund for the Environment and the Coastline
ALGEX	Algerian Export Promotion Agency	FNME-ERC	National Fund for Energy Management and for Renewable Energies and Cogeneration
ANDPME	National Development Agency for SME	FN-PME /I/PCI	National Fund for the Upgrading of SMEs, Investment and the Promotion of Industrial Competitiveness
APAB	Association of Algerian Drinks Producers	IANOR	Algerian Institute of Standardisation
ACE	Algeria Export Council National Association	MEER	Ministry of the Environment and Renewable Energy
CACI	Algerian Chamber of Commerce and Industry	ME	Ministry of Energy
CNTPP	National Center for Cleaner Production Technologies	MESRS	Ministry of Higher Education and Scientific Research
DD	Sustainable Development	MF	Ministry of Finance
DE	Environment delegate	MIM	Ministry of Industry and Mines
DER	Renewable Energies Directorate	SCP	Sustainable Consumption and Production
DGCI	Directorate General of Industrial Competitiveness	SDG	Sustainable Development Goals
DGE	Directorate General for Energy	UNIDO	United Nations Industrial Development Organisation
DGEDD	Directorate General for the Environment and Sustainable Development	PNAE-DD	National Action Plan for the Environment and Sustainable Development
DGPME	Directorate General for SMEs	RECP	Resource Efficient and Cleaner Production
DGDTI	Directorate General for Technological and Industrial Development	TEST	Transfer of Environmentally Sound Technology
DPEI	Directorate of Industrial Environmental Policies		
ERPD	Economy of Resources and Sustainable Production		
FCE	Business Heads Forum		

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# 1. Goals of the roadmap

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The roadmap takes into account the most efficient ways and mechanisms to be adopted to encourage the uptake of the TEST approach in the Algerian industry at a larger scale. The aim is to encourage the emergence of new industrial behaviours, being aware of new industrial behaviour i.e. being aware of the environmental aspects in industrial production and engaging in the transition to Resource Efficient and Cleaner Production (RECP).

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## 2. Methodology used in making the roadmap

The CNTPP with the support of the MEER is behind the launching of the process of reflection and consultation over the national roadmap for the expansion of the MEDTEST II results. They are therefore the guarantors of its design and implementation even though this implementation involves other institutional and industrial stakeholders.

The content of the roadmap is developed in participatory mode and in consultation with the main stakeholders concerned with the issue.

The consultation process took place between October 2017 and May 2018 and focused on bilateral working sessions, group exchange workshops and the organisation of a final roundtable on the validation of the roadmap set out in this report. The stakeholders associated with this process are:

1. DGEDD/MEER
2. DGCI /MIM
3. DGPME/MIM
4. DGDIT/MIM
5. DER/DGE/ ME
6. DPEI/MEER
7. CNTPP
8. ANDPME
9. IANOR
10. APAB
11. ACE

12. Industrial companies, and in particular those involved in MEDTEST II and others engaged in ISO 26000 procedures
13. Focal points designated by the programme at the level of the MEER and the MIM
14. Team of experts to lead the demonstration project and the coordination of the process of drawing up the roadmap

The actions taken in the various workshops of consultation with stakeholders and recommended in this roadmap are in continuity and coherence with the work already done in Algeria within the framework of:

1. National Strategy for Sustainable Development
2. National Plan for Sustainable Development (PNAEDD)
3. National Action Plan for Sustainable Consumption and Production (SCP NAP)
4. Report of Recommendations for the improvement of Policy Instruments for the Promotion of Sustainable Production



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# 3. Logic used in making the roadmap

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The construction logic of the roadmap takes into account the imperatives of:

- Preservation of the dynamics and interest for the RECP created by the MED TEST II demonstration project. In this sense, favourable conditions must be created for a rapid launch of relay activities in the MED TEST II Project.
- Feasibility of the roadmap in terms of relevance and appropriate funding of proposed actions.

The roadmap also argues:

- The short-term funding possibilities in the context of CNTPP budgets related to its statutory missions of promoting clean technologies and raising awareness to sustainable production.
- The possibilities of short-term funding available through the use of public funds intended for enterprise as part of its current provisions, mainly FN-PME/I/PCI, FNME-ERC and FNEL.
- Opportunities to identify other potential medium-term funding opportunities, including institutional mechanisms to be created or adapted.
- The use of private funding and international cooperation whenever possible.

The roadmap is structured around the following five axes, each of which is broken down into a set of actions shown in the table that follows.

**1. Strengthening of local expertise** and creation of a RECP/TEST consulting and training market. The strengthening of RECP practices in Algerian industry as well as their sustainability depend very much on the availability in the local market of the required (qualified and sufficient) expertise in this area. In this sense, this axis is important and a priority.

**2. Strengthening of policies and incentive mechanisms for the promotion of clean technologies and RECP, in synergy with existing business support schemes.**

This strengthening is in coherence with the commitments of the public authorities in Algeria, to integrate sustainable consumption and production in all the strategic approaches of development including those related to the industrial companies and SMEs.

**3. Incentives for industrial companies to adhere to the RECP/TEST approaches,** through sustained information campaigns aimed at bringing companies into projects for the implementation of RECP/TEST approaches. The possibilities of funding offered by FN-PME/I/PCI and FNME-ERC should be highlighted under the provisions in force, pending the updating of the nomenclature of the FN-PME/I/PCI. The updating of the nomenclature of the FN-PME/I/PCI of **action 2.1/ Axis 2** aims at integrating the RECP/TEST in order to make it eligible for fund support. This will make it easier for companies, which will turn to one fund rather than two or three.

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This encouragement to adhere also includes:

- Facilitating access to information on sustainable technologies.
- The valuation of RECP/TEST projects carried out in the interest of visibility and third-party recognition of the company's performance.

**4. Promotional and awareness-raising actions in favour of RECP approaches targeting industrial companies.**

**5. Creation of a RECP national label**, ensuring visibility, distinction and a form of recognition for companies engaged in a RECP approach and having achieved exceptional performances. The aim is to change this label to make it a guarantee of excellence and an argument for exporting. The CNTPP will thus mobilise the international networks of expertise to which it has access and will promote national inter-sector synergy, which will be fostered by the implementation of **Action 2.2/Axis 2**.

# 4. Roadmap for the promotion of the RECP in industrial enterprise in Algeria

Axes	Action	Pilot	Stakeholders	Funding	Due	Marker/indicator
<b>1. Strengthening of local expertise and creation of a RECP consulting and training market</b>	1.1. Strengthening of national expertise and encouragement of the creation of a RECP/TEST consulting market through periodic training for freelance consultants or consulting firms. This training will be mainly provided by the CNTPP as part of its statutory activities.	CNTPP with the support of UNIDO, the owner of the TEST method	CNTPP Freelance consultants Consulting office	- CNTPP contribution through preferential tariffs - Private funding - Vocational Training Tax + - International cooperation	ST 2019	First training is given in Q 1/ 2019
	1.2. Integration of a RECP/TEST training module into the training programme for environmental delegates in order to systematise and widely disseminate RECP principles and approach.	CNTPP with the support of UNIDO, the owner of the TEST method	CNTPP Industrial companies	- CNTPP contribution through preferential tariffs - Vocational Training Tax	ST 2019	ED training programme updated / First training Q 1/2019
	1.3. Training of the executives of the public company support institutions and management of the public funds (CNTPP, APPRUE, ANDPME) to improve their capacity to assess the RECP projects and to support the companies.	CNTPP with the support of UNIDO, the owner of the TEST method	CNTPP Institutions concerned	- CNTPP contribution through preferential tariffs - Vocational Training Tax	ST 2018	First training is given in Q 4 /2018
	1.4. Association of the technical high schools to disseminate the RECP/TEST approach by providing training to outgoing engineers in a pilot trial (2019-2020) that could become permanent and official in nature.	CNTPP with the support of UNIDO, the owner of the TEST method	MEER CNTPP Technical high schools	UNIDO + Other international cooperation if possible	MT 2019-2020	At least 4 schools deploy the RECP/ TEST PACK  2019- 2020

Axes	Action	Pilot	Stakeholders	Funding	Due	Marker/indicator
<b>2. Strengthening of policies and incentive mechanisms for the promotion of clean technologies and RECP, in synergy with existing business support schemes.</b>	2.1 Introduce a project to the government council to update the nomenclature of the FN-PME/I/PCI in order to make the integrated RECP/TEST approach eligible for funding, including: <ul style="list-style-type: none"> <li>The RECP detailed industrial diagnosis,</li> <li>The development and implementation of action plans induced by the RECP/TEST diagnosis.</li> </ul>	MIM through DGPME DGCI	MIM MF MEER/ CNTPP	Self-financing	ST 2018	The nomenclature is updated
	2.2 Present an AIM project on the creation and installation of an inter-ministerial committee involving the MEER, the MIM and the ME to create a legal anchor: <ul style="list-style-type: none"> <li>Allowing inter-sector action related to the promotion of the RECP and any other approach or initiative requiring transversality and co-financing.</li> <li>Conditioning all State Aid to industrial enterprise through an environmental commitment, and through the training of N and N-1 level managers and environmental delegates in the RECP/TEST approaches.</li> </ul>	MEER	MEER/DGEDD/ CNTPP  MIM/ DGPME/DGCI/ ANDPME  ME/APPRUE  MF	Self-financing	ST-MT 2018-2019	The inter-ministerial committee is set up  The legal anchoring project is proposed  Measures for RECP and inter-sector action for the environment are defined
<b>3 Motivation for industrial companies to adhere to RECP/TEST:</b>	3.1. Launch a campaign to support 10 to 12 companies in a project similar to MED TEST II. Target companies that are engaged in ISO 26000 processes and direct them to: <ul style="list-style-type: none"> <li>Seek support from the FN-PME/I/PCI for the funding of the diagnosis and actions leading to material savings and improved competitiveness, in accordance with the current nomenclatures and provisions of the fund.</li> <li>Adhere to the APPRUE campaigns to benefit from FNME-ERC funding related to energy audits and energy efficiency improvement actions, in accordance with the current nomenclature and provisions of the fund.</li> </ul>	CNTPP	Companies CNTPP DGCI DGPME ANDPME APPRUE	The companies concerned  FN-PME/I/PCI  FNME-ERC	ST 2018	A support campaign is launched in Q 4 /2018  Companies commit to RECP/TEST projects from Q4/ 2018
<b>Evaluation of completed projects</b>	3.2. Create a national database of completed RECP/TEST projects, encourage benchmarking practices around environmental and economic performance indicators and publicise success stories.	MEER  MIM	DGPME DGCI APPRUE CNTPP	Self-financing + International cooperation	MT 2019	

Axes	Action	Pilot	Stakeholders	Funding	Due	Marker/indicator
<b>Provision of access to information on sustainable technologies</b>	3.3. Create a database on eco-innovative and sustainable technologies and make it available to industrial companies.	CNTPP	CNTPP	Self-financing + International cooperation	MT 2019	Database available in Q 2/ 2019
<b>4. Promotional and awareness-raising actions on RECP approaches targeting industrial companies</b>	4.1. Conduct targeted and continuous awareness-raising and information campaigns for industrial companies, particularly those in ISO 14001 and ISO 26000, to make them adhere to the RECP approach and the TEST method.	CNTPP + IANOR	CNTPP IANOR Industrial Associations	Self-financing FN-PME/I/PCI  + International cooperation if possible	ST_MT 2019	At least two awareness workshops are held quarterly beginning in Q 1 / 2019
	4.2. Establish the tradition of a national day for the promotion of the RECP, a day to be organised simultaneously in several provinces with high industrial concentration, with the involvement of the offices of the environment and industry as well as industry associations and local consumer protection and local consumer protection agencies.	MEER MIM	MEER MIM CNTPP	FNEL FN-PME/I/PCI Industrial sponsors	MT 2019	1 day/year is organised simultaneously in several wilayas in the month of March from 2019
	4.3 Review the selection parameters and the criteria for awarding the national quality award (NQA) to incorporate criteria related to environmental performance and interest for the RECP.	MIM/DGPME	DGPME CNTPP	Self-financing	ST 2019 MT	The new selection and awarding criteria are defined and adopted
<b>5. Creation of a national RECP label</b>	5. Mobilize national and international expertise to lead a process of creation of a national RECP label to establish the programmes of excellence and exceptional performance.	CNTPP + Specialised steering team	MEER, ME, MIM, IANOR, ALGEX Industrial Associations	International cooperation	2019-2020	A RECP label is created in Q 2 /2020.





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# 5. Steering of the implementation of the roadmap

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The CNTPP, to date, is the institution best suited to pilot the implementation of this roadmap for the following reasons:

- The statutory missions of the CNTPP which make it the main body in Algeria for the promotion of clean technologies and sustainable production;
- The experience gained in the field of RECP as part of its services in the MEDTEST II project;
- Its ability to have (through its missions) a mobilizable budget for information and awareness actions on clean technologies and sustainable production;
- The possibility of performing training and qualification actions in the RECP/TEST approach at symbolic rates; a possibility induced on the one hand by the principle of the suggestion of public service to which the CNTPP is subject and, on the other, by the availability of the training pack designed by UNIDO experts.

The CNTPP, however, will preserve the spirit that has prevailed in the construction of this roadmap and will continue to engage with stakeholders and to mobilise potential lenders to ensure its success.

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The operational results expected from the implementation of this roadmap would result in the following new situation:

- Industrial companies are sensitised and seeking more and more advice and support to integrate the RECP/TEST;
- The FN-PME/I/PCI nomenclatures are updated and allow the RECP TEST procedure to be eligible for aid from the fund;
- There is local expertise, it is sufficiently developed and its service offer is implemented for the benefit of industrial companies;
- Governmental inter-sector synergy exists and is used for transversal projects related to sustainable development and support for the SCP and RECP;
- A RECP national label for the excellence in terms of environmental and economic performance is created;

Thus, the SwitchMed Programme and in particular the Demonstration Component 1/MED TEST II, which resulted in very positive results welcomed by all stakeholders, helped to create favourable conditions to manage the transition to green industry in Algeria and to promote the organisation of a space for consultation between the institutional, industrial and associative stakeholders. The Programme lead to:

- The creation of awareness among the industrialists on the necessary transition to sustainable production based on resource efficiency and pollution prevention principles;
- The creation of support by institutional stakeholders about the necessary adjustment of political and economic instruments to promote green industry and sustainable production in Algeria;
- The development of a base of expertise and local knowledge around RECP approaches that are able to be more widely spread and deployed.