

# Research workbook

## 2021

*France*

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## T0. Summary

Please provide an abstract of this workbook (target: 500 words) under the following headings: National profile

In this section please summarise the most relevant information included in the following sections, namely:

- A description of national profiles:
  - main entities financing research on drugs;
  - main research institutions involved in the research on drugs;
  - if applicable, the role of the national drug observatory in the implementation, execution or coordination of drug-related research activities;
  - main national or regional scientific journals publishing drug related research and
  - main drug-related research projects, (planned or ongoing)
- A description of research priorities (if available)
  - drug-related priorities defined in national/regional drug policy;
  - the role of drug-related research in national drug policy documents;
  - new topics emerging in drug-related research in your country (either in governmental or non-governmental research)

### **National profile**

In France, the Ministry of National Higher Education, Research and Innovation (MENESR) designs, coordinates and implements national policy on research and innovation. Two primary academic organisations, the National Centre for Scientific Research (CNRS) and the National Institute for Health and Medical Research (INSERM), cover a wide range of research areas, from neurosciences, through public health and clinical research to social sciences.

The French National Focal Point (OFDT) is the main body involved in drug-related data collection, studies and network development. It collaborates extensively with national and European drug-related research teams. Dissemination of data and research results are also part of its mandate, together with publishing in national and international scientific journals, and promoting the use of research results in practice and policymaking.

The Interministerial Mission for Combating Drugs and Addictive Behaviours (MILDECA) is the central structure close to the Prime Minister responsible for coordinating governmental action in the drugs field. Part of its role is to promote and fund drug-related research.

### **New development (including a description of research priorities, if available)**

In line with previous government plans, developing research and observation in the field of addictions is key in order to provide information on the implementation of public policies. It represents therefore one of the 6 major challenges included in the 2018-2022 National Action plan on Addictions (MILDECA 2018). The measures to be implemented focus on two main priorities:

- 1) Bringing science, political policy-making and citizens closer together;
- 2) Extending knowledge in all areas of public action.

In order to improve links between the scientific community, policymakers and citizens, the plan aims to increase places and times for meetings about spreading knowledge on addiction, both nationally and regionally. The importance of the focal point (OFDT) is underlined as it enjoys ideal positioning for speeding up transfer of knowledge and its appropriation by decision-makers, professionals and citizens.

The plan highlights several key areas where new knowledge is required: prevalence of use among vulnerable groups (people with disabilities, people living in poverty, people subject to a court order, migrants), influence of environmental factors and available preventive and healthcare supplies on the dependence and treatment trajectories, individual vulnerability factors, gender specific factors, etc.

In order to prevent addictive behaviours, emphasis is placed on carrying out intervention research in schools and workplaces. The plan also promotes the development of knowledge related to marketing strategies that influence how the risks of using are perceived among young people. Such information is required in order to deconstruct the discourse conveyed by industrialists and to put in place appropriate responses.

To better reduce risks and improve care and access to care, the plan confirms the need to support clinical and therapeutic research by encouraging a transversal and collaborative approach. Evaluating medico-social and harm reduction interventions is also valued.

Moreover, in terms of questioning the effectiveness of criminal solutions, the authorities stress the need to develop evaluative research in this field in order to encourage solutions to develop the most promising judicial measures. As regards research relating to drug supply, the plan notably encourages improved monitoring of new psychoactive substances and studies on the changes in supply.

## T1. Drug-related research<sup>1</sup>

The purpose of this section is to

- Describe the organization of drug-related research in your country
- Provide a summary of specific resources on drug-related research available in your country
- Update the available information already provided to the EMCDDA (workbook will be pre-filled).

T1.1. Please update the main drug-related research institutions/associations/bodies (public or private) in your country. Please provide links, also to pages in English, if available.

- Centre National de la Recherche Scientifique (CNRS):  
<http://www.cnrs.fr/index.php/en>
- Conservatoire National des Arts et Métiers (CNAM):  
<http://the.cnam.eu/>
- École des Hautes Études en Santé Publique (EHESP):  
<http://www.ehesp.fr/en/>
- École des Hautes Études en Sciences Sociales (EHESS):  
<https://www.ehess.fr/en>
- Fédération Nationale des Observatoires Régionaux de la Santé (FNORS):  
<http://www.fnors.org/index.html>
- Fondation Nationale des Sciences Politiques (FNSP):  
<http://www.sciencespo.fr/en/home>
- Institut de Recherche en Santé Publique (GIS-IReSP):  
<http://www.iresp.net/>
- Institut de Recherche pour le Développement (IRD):  
<http://en.ird.fr/ird.fr>

<sup>1</sup> "Drug-related research involves performing a study on illicit drugs, which may involve a range of disciplines, through the use of scientifically accepted methods and procedures, in order to test a hypothesis or answer a specific question." (EMCDDA, 2012 [Drug-related research in Europe: recent developments and future perspectives](#))

- Institut National de Recherche pour l’agriculture, l’alimentation et l’environnement (INRAE): <https://www.inrae.fr>
- Institut National de la Santé et de la Recherche Médicale (INSERM): <http://english.inserm.fr>
- Observatoire Français des Drogues et des Toxicomanies (OFDT): <https://en.ofdt.fr/>
- Santé publique France (SpF) <https://www.santepubliquefrance.fr/>

T1.2. Please update the main institutions/associations/bodies/programmes (public or private) funding drug-related research in your country.  
Please provide links, also to pages in English, if available.

- The Interministerial Mission for Combating Drugs and Addictive Behaviours (MILDECA: <http://www.drogues.gouv.fr/page-simple/mildeca-interministerial-mission-combating-drugs-and-addictive-behaviours>) is the central structure responsible to the Prime Minister for coordinating governmental action in the drugs field. Part of his role is to promote and fund drug related research. In line with the National Drug Action Plan 2018-2022, the MILDECA supported new annual [calls for proposals](#) and extended collaborations with research organizations/universities and with the ANR. It also promoted clinical research networks and dissemination initiatives towards the scientific community and policy makers. Measure 6 of the [national anti-narcotics plan](#) adopted in September 2019, provides for updated studies analysing the evolution of use and the impact of drug trafficking on the functioning of society in conjunction with the MILDECA ‘because curbing the influence of drugs in certain regions is complex’.
- The Ministry of Higher Education, Research and Innovation (<http://www.enseignementsup-recherche.gouv.fr/>) designs, coordinates and implements national policy on research and innovation. A large scope of research areas ranging from neurosciences, through public health and clinical research to social sciences is mainly covered by two major academic operators: the National Centre for Scientific Research (CNRS) and the National Institute for Health and Medical Research (INSERM).
- The French Research Agency (*Agence Nationale de la Recherche* – ANR: <http://www.agence-nationale-recherche.fr/en/project-based-funding-to-advance-french-research/>) is in charge of programming national research and innovation. The agency establishes the thematic priorities of research and allocates the resources. Every year, the agency launches calls for tenders covering a large spectrum of scientific areas.
- The Ministry of Health (<http://www.sante.gouv.fr/>) funds, in specific years, clinical projects on addiction treatment in hospitals (under the programme “*Programme Hospitalier de Recherche Clinique*” - PHRC). It also funds studies on specific populations of drug users, interventions (prevention, treatment, harm reduction) or legal disposition.
- The National Research Agency on AIDS (*Agence Nationale de Recherche sur le Sida* – ANRS: <http://www.anrs.fr/>) and the French Public Health Agency (*Santé publique France*: <https://www.santepubliquefrance.fr/>) implement regular surveys and research projects on the links between injecting drug use and infectious diseases (mainly HIV and HCV).
- The French National Cancer Institute (*Institut national du cancer* – INCa: <http://en.e-cancer.fr/>) is the preeminent health and science agency in charge of cancer control in France, created in 2004. It reports to the ministries for Health and for Research. About half of its budget (€100 million) is allocated to research funding. Each year, the Institute

organises more than fifteen competitive calls for proposals in the areas of research, public health, cancer care organisation and patient information.

- NGOs and foundations (such as the *Fondation de France*) representing practitioners, users and companies (alcohol suppliers, tobacco industry and pharmaceutical laboratories) also regularly fund surveys and research project in these areas.

T1.3. Please update the list of the main national scientific journals where drug-related research is published in your country.  
Please provide links, also to pages in English, if available.

Name	Topic	Language	Abstract
Actualité et Dossier en Santé Publique <a href="https://www.hcsp.fr/explore.cgi/adsps?ae=adsps&amp;menu=11">https://www.hcsp.fr/explore.cgi/adsps?ae=adsps&amp;menu=11</a>	Public Health	French	French
Addiction(s) : recherches et pratiques <a href="https://www.federationaddiction.fr/productions/revue/">https://www.federationaddiction.fr/productions/revue/</a>	Treatment	French	French
Alcoologie et Addictologie <a href="http://www.alcoologie-et-addictologie.fr/">http://www.alcoologie-et-addictologie.fr/</a> <a href="http://www.alcoologie-et-addictologie.fr/index.php/aa/user/setLocale/en_US?source=%2Findex.php%2Faa">http://www.alcoologie-et-addictologie.fr/index.php/aa/user/setLocale/en_US?source=%2Findex.php%2Faa</a>	Treatment	French, English	English
Annales Médico-psychologiques, revue psychiatrique <a href="https://www.sciencedirect.com/journal/annaes-medico-psychologiques-revue-psychiatrique">https://www.sciencedirect.com/journal/annaes-medico-psychologiques-revue-psychiatrique</a>	Psychiatry	French, English	English
Bulletin de l'Académie Nationale de Médecine <a href="https://www.sciencedirect.com/journal/bulletin-de-lacademie-nationale-de-medecine">https://www.sciencedirect.com/journal/bulletin-de-lacademie-nationale-de-medecine</a>	Public Health	French	English
Bulletin Épidémiologique Hebdomadaire <a href="https://www.santepubliquefrance.fr/revues/beh/bulletin-epidemiologique-hebdomadaire">https://www.santepubliquefrance.fr/revues/beh/bulletin-epidemiologique-hebdomadaire</a>	Epidemiology and public health	French	English
Cahiers de la Sécurité et de la Justice <a href="https://www.ihemi.fr/publications/les-cahiers-de-la-securite-et-de-la-justice">https://www.ihemi.fr/publications/les-cahiers-de-la-securite-et-de-la-justice</a>	Sociology and political science	French	English
Le Courrier des Addictions <a href="https://www.edimark.fr/courrier-addictions">https://www.edimark.fr/courrier-addictions</a>	Addiction all topics	French	English
Déviance et Société <a href="https://www.caim.info/revue-deviance-et-societe.htm">https://www.caim.info/revue-deviance-et-societe.htm</a> <a href="https://www.caim-int.info/journal-deviance-et-societe.htm">https://www.caim-int.info/journal-deviance-et-societe.htm</a>	Sociology and political science	French	English
L'Encéphale <a href="https://www.sciencedirect.com/journal/lencephale">https://www.sciencedirect.com/journal/lencephale</a>	Treatment	French	English
Médecine/sciences <a href="https://www.medecinesciences.org/">https://www.medecinesciences.org/</a> <a href="https://www.medecinesciences.org/en/">https://www.medecinesciences.org/en/</a>	Health	French	English
Politix, revue des sciences sociales du politique <a href="https://www.caim.info/revue-politix.htm">https://www.caim.info/revue-politix.htm</a> <a href="https://www.caim-int.info/journal-politix.htm">https://www.caim-int.info/journal-politix.htm</a>	Human and social sciences	French	English

La Presse Médicale <a href="https://www.sciencedirect.com/journal/la-presse-medicale">https://www.sciencedirect.com/journal/la-presse-medicale</a>	Health	French	English
Psychotropes, Revue internationale des toxicomanies et des addictions <a href="https://www.caim.info/revue-psychotropes.htm">https://www.caim.info/revue-psychotropes.htm</a>	Treatment	French	English
Revue d'Épidémiologie et de Santé Publique <a href="https://www.sciencedirect.com/journal/revue-depidemiologie-et-de-sante-publique">https://www.sciencedirect.com/journal/revue-depidemiologie-et-de-sante-publique</a>	Epidemiology and public health	French, English	English
Revue Française des Affaires Sociales <a href="https://www.caim.info/revue-francaise-des-affaires-sociales.htm">https://www.caim.info/revue-francaise-des-affaires-sociales.htm</a> <a href="https://www.caim-int.info/journal-revue-francaise-des-affaires-sociales.htm">https://www.caim-int.info/journal-revue-francaise-des-affaires-sociales.htm</a>	Human and social sciences	French	English
Revue Française de Sociologie <a href="https://www.caim-int.info/revue.php?ID_REVUE=E_RFS">https://www.caim-int.info/revue.php?ID_REVUE=E_RFS</a> <a href="https://www.caim-int.info/journal-revue-francaise-de-sociologie.htm">https://www.caim-int.info/journal-revue-francaise-de-sociologie.htm</a>	Sociology	English, French	English
La Revue de médecine interne <a href="https://www.em-consulte.com/produit/revmed">https://www.em-consulte.com/produit/revmed</a>	Medical Sciences	French	English
La Revue du Praticien - Monographie <a href="http://www.larevuedupraticien.fr/revue">http://www.larevuedupraticien.fr/revue</a>	Medical Sciences	French	English
Santé Publique <a href="https://www.caim.info/revue-sante-publique.htm">https://www.caim.info/revue-sante-publique.htm</a> <a href="https://www.caim-int.info/journal-sante-publique.htm">https://www.caim-int.info/journal-sante-publique.htm</a>	Epidemiology and public health	French	English
Sciences Sociales et Santé <a href="https://www.jle.com/fr/revues/sss/revue.phtml">https://www.jle.com/fr/revues/sss/revue.phtml</a> <a href="http://www.jle.com/en/revues/sss/revue.phtml">http://www.jle.com/en/revues/sss/revue.phtml</a>	Human and social sciences	French, English	English
Sécurité globale <a href="https://www.caim.info/revue-securite-globale.htm">https://www.caim.info/revue-securite-globale.htm</a>	Sociology and political science	French	French
Sociologie <a href="https://www.caim.info/revue-sociologie.htm">https://www.caim.info/revue-sociologie.htm</a> <a href="https://www.caim-int.info/revue.php?ID_REVUE=E_SOCIO">https://www.caim-int.info/revue.php?ID_REVUE=E_SOCIO</a>	Sociology	French	English
Thérapie <a href="https://www.sciencedirect.com/journal/therapies">https://www.sciencedirect.com/journal/therapies</a>	Treatment	French, English	English
Toxicologie Analytique et Clinique <a href="https://www.sciencedirect.com/journal/toxicologie-analytique-et-clinique">https://www.sciencedirect.com/journal/toxicologie-analytique-et-clinique</a>	Toxicology	French, English	English

- T1.4. Please update the list of drug-related research relevant websites/resources you would like us to include in your research country profile.  
Please provide links, also to pages in English, if available.

## T2. Trends (Not applicable for this workbook)

### T3. New developments

The purpose of this section is to provide information on any notable or topical developments observed in drug-related research in your country **since your last report**.

T1 is used to establish the baseline of the topic in your country. Please focus on any new developments here. If information on recent notable developments have been included as part of the baseline information for your country, please make reference to that section here. It is not necessary to repeat the information.

T3.1. Please update the list of the main drug-related, recent/on-going since your last report studies/research projects in your country. Please provide links, also to pages in English, if available. If possible, classify each study/research project under one of the following categories:

- (1) Basic biological, neurobiological and behavioural research (including aetiological and addictive behaviour research);
- (2) Population based and clinical epidemiology (including site surveys, ethnographic studies and acute toxicity studies);
- (3) Demand reduction (including prevention, treatment, harm reduction, reintegration and clinical treatment research);
- (4) Supply, supply reduction and crime;
- (5) Drug policy (including laws, economic issues and strategies);
- (6) Other topics.

If it is not possible to identify the main drug-related on-going studies/research projects in your country, please provide a list of the most relevant current bibliographic references.

In 2019 the Fund for Combatting Tobacco was extended to all substance-related addictions and therefore became the Fund for Combatting Addiction. This changes, among other things, the volume and distribution of resources dedicated to research with a substantial annual sum intended to "support knowledge sharing, innovation, applied research and the evaluation of care and prevention actions".

The Addiction Fund (a fund to combat psychoactive substance addiction) was implemented by [decree no. 2019-622 of 21 June 2019](#) on the psychoactive substances addiction fund. In 2020, a series of actions to support research were carried out within the framework of the Addiction Fund, continuing the efforts made in previous years.

A joint research programme between the INCA (National Cancer Institute) and the IRESP (Institute for Public Health Research) has made it possible to deploy four financial support schemes for research into the fight against addiction for a total of €14.7 million:

- A call for research projects;
- A call for applications for doctoral grants;
- A call for applications for young researchers in the humanities and social sciences;
- The implementation of research coordination mechanisms (working seminars between researchers, scientific days, colloquia, international workshops, etc.).

25 research projects were selected following a multidisciplinary call for projects by the two institutes, aimed at covering three main issues: those relating to addictions in the general population, those examining the links between addictions and cancer pathologies and those studying the links between addictions and non-cancer pathologies. This call for projects targeted 3 types of research project with different final objectives and for which the timeframe for implementation, evaluation and the sums involved are different:

- Full research projects (duration of 36 to 48 months with an estimated budget of at least €100 000);
- Pilot projects (duration of 18 to 24 months with an estimated budget of maximum €100 000);
- Seed projects (duration 12-18 months with a maximum budget of €50 000).

Neuroscience and epidemiology are the predominant disciplines of the selected projects.

14 research projects have been selected concerning addiction issues in the general population. They explore the following themes:

- Consequences of the COVID-19 pandemic for substance users: risk of infection and changes in patterns of substance use. Longitudinal analyses from SAPRIS responders of the CONSTANCES cohort (Population-based Epidemiologic Cohort).
- Sucrose bingeing: increased risk for alcohol abuse? (Neurosciences).
- The emPOWERment of Persons with Intellectual Disabilities through physical activity to manage their addictive behavior (Economics).
- Protracted impact of nicotine on the brain: how genetic and environmental factors define individual susceptibility.
- Impact of an intervention of screening, treatment initiation and referral to promote smoking cessation in emergency department patients: the pilot PROSCEED randomized controlled trial.
- Epigenetic markers of waterpipe versus cigarette smoking in addiction and disease.
- Biopsychosocial markers of addiction in opioid users: an integrated approach (Medical sciences).
- Cannabinoscope (Pharmacology).
- Treatment of Alcohol DEpendence with LYsergic acid diethylamide: translational approach and clinical efficacy study.
- Smartphone application for university students with binge drinking behavior: national randomized controlled trial.
- Preventing vulnerability to binge drinking and alcohol addiction with the targeting of dopamine D1 and D2 receptors unbalance and medial Prefrontal Cortex dysfunction.
- BAclofen for supporting BEnzodiazepine Titration in benzodiazepine use disorder.
- CheckKnow: a drug-checking evaluation study to improve knowledge and decrease health complications in people who use drugs in France.
- Role of brain cholesterol homeostasis in drug addiction and relapse processes.

5 research projects have been selected to explore the link between addiction and diseases other than cancer. They address the following themes:

- Exploratory study of semantic networks in patients with alcohol use disorders (Neuropsychopharmacology).
- Impact of cigarette smoke on alveolar regenerative capacity in pulmonary emphysema.
- Dysbiosis of the gut microbiota in severe acute alcoholic hepatitis: a translational approach.
- Analysis of the prevalence of violence suffered or committed by patients suffering from addiction in a treatment facility.
- Evaluation of a handwashing education intervention on abscesses among people who inject drugs.

6 research projects have been selected to explore the links between addiction and cancer. They cover the following themes:

- Cannabis use and bronchial cancer.
- Screening for pathologies often induced by smoking.
- Feasibility study of a coordination between healthcare institutions and patients' associations for the implementation of individualised pathways adapted to the needs of

patients and their carers during the post-cancer phase of the upper aerodigestive tract - coorac.

- Management of dependence and transition between psychoactive substances (tobacco, alcohol, psychotropic drugs and cannabis) in patients with bronchopulmonary and upper aerodigestive cancers treated with targeted therapies or immunotherapies.
- Role of nucleotide excision repair in the mutagenicity of tobacco and alcohol.
- Opioid use in adult patients treated for childhood cancer: understanding in order to act.

In addition, 8 projects obtained a doctoral grant over a period of 3 years for a total budget of €999 226. These thesis projects cover different disciplinary fields (human and social sciences, epidemiology and public health, biology, neurosciences, neurobiology) and cover the following subjects:

- Judgement and stigmatisation of addictions in cancer patients: a multifactorial approach with a general public and health professionals.
- Social inequalities in addictive behaviour in the context of the Covid-19 epidemic.
- *Craving*: an early and predictive marker of addiction to tobacco, alcohol and cannabis.
- Profiles, uses and health status of regular cannabis users in the French context.
- Design and functional analysis of the allosteric modulator of nicotinic acetylcholine receptor  $\alpha 4\beta 2\alpha 5$  for the treatment of nicotine addiction.
- Understanding the psychological singularity of adults with high intellectual potential in the face of addictive behaviours and new treatment avenues.
- Alcohol consumption and computational parameters in reinforcement learning.
- Study of the cellular and molecular mechanisms involved in the pulmonary pathogenicity of heated tobacco emissions.

A second research support programme co-sponsored by the IRESP and the AVIESAN Alliance funded 20 additional research projects for a total budget of €3 866 863. The distribution of funded projects by priority areas of the call for projects was as follows:

- Preventing and delaying the onset of drug use: 3 projects funded;
- Developing knowledge on use patterns and trajectories: 8 projects funded;
- Improving responses in terms of care, support and harm reduction: 8 projects funded;
- Impact of public interventions at the population level: 1 project funded.

In terms of the substances examined, particular emphasis was placed on projects concerning alcohol, tobacco in the context of joint use, and cannabis.

The disciplines represented in the selected projects belong to the neurosciences/psychiatry for almost half, and to medicine for a little less than half. Less than a third of the projects funded involve human and social sciences.

In addition, in 2019-2020, the OFDT undertook a series of projects supported by the Addictions Fund for a total budget of €0.85M:

- A pilot survey on health and substances in prison (ESSPRI);
- A strategic Analysis of Regulatory Cannabis Policies in North America (ASTRACAN);
- An estimate of the updated social cost of psychoactive substances;

- A qualitative study on accessibilities, use trajectories and product regulations among young people and their parents;
- A survey on the use of opioid analgesics;
- A better articulation between surveys in the adolescent population (ESCAPAD and EnCLASS (HBSC/ESPAD) 2020-2022);
- The development of observations in overseas territories.

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#### **(4) Supply, supply reduction and crime**

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#### **(5) Drug policy (including laws, economic issues and strategies)**

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## T4. Additional information

The purpose of this section is to provide additional information important to drug-related research in your country that has not been provided elsewhere.

T4.1. **Optional.** Please describe any additional important sources of information, specific studies or information on drug-related research priorities. Where possible, please provide references and/or links.

T4.2. **Optional.** Please describe any other important aspect of drug-related research that has not been covered in the specific questions above. This may be additional information, a reference to an organisation in your country that monitors national drug-related research, the availability of a bibliography of recent studies or new areas of specific importance for your country.

## T5. Sources and methodology

The purpose of this section is to collect sources and bibliography for the information provided above, including brief descriptions of studies and their methodology where appropriate.

T5.1. Please list notable sources for the information provided above.

MILDECA (2018). Alcool, tabac, drogues, écrans : Plan national de mobilisation contre les addictions 2018-2022 [Alcohol, tobacco, drugs, screens: National plan for mobilisation against addictions 2018-2022]. Mission interministérielle de lutte contre les drogues et les conduites addictives, Paris. Available: <https://www.drogues.gouv.fr/la-mildeca/le-plan-gouvernemental/mobilisation-2018-2022> [accessed 10/08/2020].