QUÉBEC-FLANDERS BILATERAL RESEARCH COOPERATION PROGRAM

Guidelines for Applicants

The Research Foundation - Flanders (FWO)
The Fonds de recherche de Québec - Nature et Technologies (FRQNT)
The Fonds de recherche du Québec - Santé (FRQS)
The Fonds de recherche du Québec - Société et Culture (FRQSC)

*** FRQNT, FRQS and FRQSC can be referred jointly as FRQ. This document describes the procedures for the present Call of the Québec-Flanders Bilateral Research Cooperation Program.

SUMMARY
COMPETITION YEAR 2020
DEADLINE (FOR APPLICATION)
June, 2nd 2020 17:00:00 PM – Brussels Time
For info: 11:00:00 AM – Montreal Time
AMOUNT
Up to $100,000/year for Québec teams
Up to 75,000€/year per project for Flanders
DURATION
3 years
RESULTS ANNOUNCEMENT
December 2020

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1. BACKGROUND

This third joint Call for proposals (hereafter referred as the "Call") is part of a rich and continuous collaboration between The Fonds de recherche du Québec (hereafter referred as the "FRQ") and the Research Foundation - Flanders, Belgium (Fonds Wetenschappelijk Onderzoek – Vlaanderen), (hereafter referred as the "FWO"). It has been implemented through the Bilateral Québec-Flanders Research Cooperation Program (hereafter referred as the "Program"), since 2013.

The FWO supports fundamental research, strategic basic research, as well as infrastructure in the Flemish community, stimulates international cooperation and promotes equal opportunities.

The FRQ is tasked with ensuring the strategic and coherent development of Québec research; funding research and researcher training in these areas; creating partnerships that will enable it to fulfil its mission; and promoting and supporting knowledge mobilization.

2. OBJECTIVES

The first objective of this program is to contribute to (1) the excellence of research in Flanders and Québec and (2) to the development of scientific cooperation by financially supporting collaborative research projects between both research communities. It also aims to foster **interdisciplinary research** (or cross-domain research) as defined by the FRQ. For further information on that matter, please refer to 'Eligible proposals' and 'Evaluation' sections below. **This call is open to all scientific domains and only funds fundamental research.**

3. ELIGIBILITY REQUIREMENTS

3.1. Eligible Proposals

To be eligible the proposal must compose with the following points.

- Research projects should be carried out both in Québec and in Flanders, for a duration of 3 (three) years.

- Project proposals have to be submitted by **June, 2nd 2020** (5PM Brussels time).

- The proposal must involve a minimum of two research teams, one in Québec and one in Flanders.

- The proposal must involve a minimum of two research teams, one in Québec and one in Flanders. The Québec research team must include at least two researchers fulfilling conditions under status 1 and 2 indicated in the Common General Rules (page 7):

- In case only one institution form Québec is involved a supervisor, acting as principal investigator [PI] and in charge of the funding, and at least one co-supervisor (also called co-investigator) must be listed.

- In case multiple institutions from Québec are involved, researchers will have to agree which research institution will act as the main Québec research institution. For the main host institution a supervisor, acting as called principal investigator [PI] and in charge of the funding; and at least one co-supervisor (also called co-investigator) must be listed. For each additional research institution at least one supervisor needs to be listed.

Important note: In order to promote **interdisciplinarity**, the proposal must prove a **coherent project in which research and team members (from Québec and Flanders) must cover research domains falling under at least two of the three Quebec Research Funds (see Annex 3):**

- Health ([Domains covered by FRQS](#))
- Society and Culture ([Domains covered by FRQSC](#))
- Nature & technologies ([Domains covered by FRQNT)](#)

For more information about the interdisciplinarity definition, please refer to 'Evaluation' section).

- Flemish applicants are subject to the [regulations on FWO research projects](#). Québec applicants are subject to the FRQ Common General Rules and FRQ Policies such as the FRQ Open Access Policy for the Dissemination of Research, the Policy for the Responsible Conduct of Research and FRQ Knowledge Mobilization Strategy (in French).

- **Please note that a researcher may participate in only one project submitted under this Call.**

3.2. Eligible applicants

In Québec:

This call is specifically open to researchers (supervisor and co-supervisor) affiliated with a Quebec university establishment and meet the status of university researcher, status 1 and 2, as defined by the Common General Rules (CGR, p. 5).

Reminder: a university researcher is a person who:

a) receives a salary:

i) as a regular professor or a contracted professor, in a university recognized by the FRQ to manage funding, ii) as a full-time researcher, with a PhD, in a university-affiliated CIUSSS, CISSS or other public institution within the health and social services network that is recognized by the FRQ to manage funding;

AND

b) is affiliated with a Québec university in which he/she is qualified to act as the sole supervisor of graduate students and independently lead research projects.[1]

In Flanders:

Eligible are those researchers that comply with FWO Regulations for research projects. Your research will be carried out at an eligible Flemish main host institution, possibly in collaboration with other Flemish and/or federal research institutions (Article 7) and under the supervision of a supervisor-spokesperson, possible in collaboration with other (co-)supervisors (Article 10 - 12).

3.3. Eligible expenses

In Québec:

The Québec part of the project budget can only be used as described in the FRQ Common General Rules. Please note that the Québec side of each application can receive up to 100,000 $CAN per year for three years. Indirect Research costs are in addition.

In Flanders:

The Flemish part of the project budget can only be used for one or more of the following cost categories:

- Scientific staff and consumables
- Equipment
- Travel and accommodation costs of Flemish researchers going to Québec
- Production costs of joint publications

On the Flemish side the following budget regulations apply in the frame of this bilateral collaboration:

- The **total project budget** for **staff and consumables may not exceed 75.000 EUR/year;**
- The budget for **staff and consumables** of the **Flemish main host institution** must be **minimally 45.000 EUR/year;**
- **Per project a maximum amount of 150.000 EUR for equipment** can be applied for. This can take the form of matching funding;
- No overhead costs must be charged on the Flemish budgets.

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[1] The following also qualify for university researcher status: Individuals at the beginning of their career who meet criteria a) and hold a position that will enable them to meet criterion b) pending the end of administrative processes and delays; Individuals who are retired from a recognized institution who no longer meet criterion a) and who continue to pursue research or supervision activities in the institution, from which they have obtained a formal commitment.

4. SUBMISSION OF APPLICATION

4.1. The form

The proposal is designed jointly by Québec and Flemish research team(s). One joint application form has to be completed and submitted by the Flemish PI through the FWO online platform 'E-loket'. The Flemish PI has to consult his/her Québec partner to complete jointly the application to make sure both FWO and FRQ provisional funding related activities are included.

No application received after the deadline (June, 2nd, 2020 – 5PM Brussels time) will be accepted. Only forms filled out and submitted electronically are accepted.

Note: No submission is necessary in Québec. The information in the application form can be shared with the other teams by extracting a PDF file from the application. This means that all information regarding the Québec research team and the budget requested (in CAD) by this team needs to be included in the online application form submitted at FWO.

4.1. Required documents

- Online project application form: General Info[2], Host Institutions – Supervision, Requested Funding, Project, Peer Review, Ethics, and Data Management Plan.
- All (co-)supervisors, both from Flanders and Québec, have to fill in an electronic CV including an updated list of publications in the digital platform 'E-loket' before the deadline.
- Each Flemish team member must upload a short CV according to the template provide in the online application form.
- Each Québec team member, including the PI, must also upload a complete Canadian Common CV as well as a declaration by the applicant to the application form.

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[2] Including French title and abstract. These may be used by the FRQ and the FWO for promotional and dissemination purposes.

5. EVALUATION

5.1. Evaluation procedure

The process will be divided in three steps:

a. *Administrative eligibility check*, by both agencies, based on the regulations of each agency.

b. *International Independent Peer Review* by FWO according to its [regulations external peer review](). based on the evaluation of three criteria: Researchers, Project, Collaboration (see Annex 1). Applicants are allowed to list up to three referees to be excluded from the international peer review process. The *International Independent Peer Review* will serve as input/ recommendations for the panel review.

c. Evaluation by cross-domain *Joint Selection Committee*, composed of Flemish and Québec researchers who will evaluate all eligible applications based on four criteria: Researchers, Project, Collaboration, Interdisciplinarity (see Annex 2). This Committee, will compare the applications and establish a ranking separating them in three categories:

   i. Proposal with the highest score, to be funded with the highest priority to the extent that the budget allows it

   ii. Proposals with a score above the scientific excellence cut-off point, to be funded if the budget allows it (*reserve list*)

   iii. Proposals with a score below the scientific excellence cut-off point, not to be funded

The *Joint Selection Committee* is sovereign, its decisions remain final and will be ratified by FWO and FRQ boards.

5.2. Joint evaluation criteria

1. RESEARCHERS (25%)
    a. Competence of the individual researchers
2. PROJECT (40%)
    a. Scientific added value, rationale (relevance) and originality
    b. Quality of the research approach (methodology), feasibility and focus
    c. Work plan
3. COLLABORATION (15%)
    a. Added value of the proposed collaboration
    b. Balance in terms of work contribution amongst the diverse research groups
4. DEGREE OF INTERDISCIPLINARITY (20%): Domains of at least two of the three Québec Research Funds (FRQS – Health // FRQSC – Society and Culture // FRQNT – Nature and Technologies) must be represented in an integrated way through (1) the composition of the bilateral research team, (2) the joint design and development of the project, of issues

mobilizing questions or objects of research of the different domains and (3) the innovative methodology adapted to each issue and integrating approaches.

Projects receiving a score of 0 on 'Degree of Interdisciplinarity' will be excluded from funding.

5.3. Integrity of the evaluation process

The FRQ and FWO Board of director members are not involved in the scientific evaluation of funding applications, and at no time may applicants and their institutional authorities make contact with the evaluation committee chairperson or members. The agencies have the right to withdraw an application from competition if there is any attempt to lobby the committee or sway the evaluation process.

Every person recruited to sit on an evaluation committee must comply with standard rules of confidentiality regarding the application packages, committee makeup, deliberations and recommendations. The evaluation committee chairperson, members and outside experts are required to disclose any conflicts of interest and must sign a written statement in this regard. For Québec reviewers, refer to the [FRQ Common General Rules](#).

6. INTELLECTUAL PROPERTIES

The applicants shall address the intellectual property rights resulting from research conducted under the Bilateral Research Cooperation Program, on a case by case basis, by taking into account the intellectual contribution of each participant to the research. For Québec applicants, the management of their intellectual property rights shall be conducted in accordance with the [FRQ Common General Rules](#) and in accordance with the affiliated institutions' internal policy on intellectual property. For Flemish applicants, the management of their intellectual property rights shall be conducted in accordance with [Article 2 of the General Regulations](#).

7. COMMITMENTS

7.1. Financial commitment

Both the FRQ and FWO commit to contribute the equivalent of 400 000 $ CAN (FRQ) and 300 000 € (FWO) per year for this Call. The FRQ and FWO strive to fund around four projects in this current call. FWO will only fund the Flemish part of the project. FRQ will only fund the Québec part of the project.

The FRQ receives annual credits from the Québec government to fund its grant programs. It then undertakes annual commitments, conditional on the availability of funds.

7.2. Applicants commitment

In accepting the grant, applicants agree to comply with all the terms and conditions stipulated in the call and the general regulations of funding agencies that support them. It is the responsibility of the candidate to be aware of these terms and conditions.

Besides the clauses specific to their funding organization, in accepting the grant, the team will:

- Submit to FRQ and FWO a mid-term and final research report. FRQ and FWO will contact their respective awardees to inform them on the form it has to take.
- Mention in any report, article or communication the funding organization supporting the project (FRQ and FWO).

8. TIMELINE

March 13th, 2020	Launch of the Call
June 2nd, 2020 (5PM Brussels time)	**Deadline for proposals**
June, 2020	Eligibility check
June – September, 2020	International Independent Peer Review
November, 2020	Joint Selection Committee
December, 2020	Results Announcement
January 1st, 2021	Start of the projects

Annex 1 Québec-Flanders Bilateral Research Cooperation Program: Criteria and Score Grid– International Independent Peer Review

Annex 2: Québec-Flanders Bilateral Research Cooperation Program: Criteria and Score Grid – Joint Selection Committee

Annex 3: FRQ Domains and Disciplines

Annex 1: Québec-Flanders Bilateral Research Cooperation Program Criteria and Score Grid – International Independent Peer Review

1.	**Competence of the individual researchers**							
D	**C**	**B-**	**B**	**B+**	**A-**	**A**	**A+**	
	<50%	>50%	>40%	>30%	>20%	>10%	>5%	
0	1	2	3	4	5	6	7	
Unacceptable	**Not competitive**	**Fair/Reasonable**		**Good/Very good**		**Excellent/Outstanding**		
This criterion assesses to what extent the individual researchers, included in the bilateral research project, have the necessary competences (i.e. knowledge and skills) to implement the proposed project. Do not solely assess to what extent the individual researchers, <u>taking into account their scientific seniority</u>, have a solid track record of international peer reviewed publications but also consider other important research achievements, (inter)national network, etc. International recognition of the included individual researchers in their scientific domain is necessary to receive outstanding scores for this criterion.								
Some of the included individual researchers lack the inherent competences required to perform the proposed research. Teamwork will not compensate for this weak link. This is reflected in the track record and main research achievements of some of the included individual researchers which is, considering their scientific seniority, unacceptable and as such insufficient to adequately contribute to the proposed research.	Some of the included individual researchers do not fully possess the necessary competences, expertise, skills and/or experience to carry out their part of the research in a proper way. Only through close collaboration among all included researchers, will they manage to carry out the actual research. This is reflected in the track record and main research achievements of some of the included individual researchers which, taking into account their scientific seniority, is poor and as such possibly insufficient to adequately contribute to the proposed research.	The competence, expertise, skills and/or experience of some of the individual researchers in the consortium leads to concerns on a successful execution of the proposed research However, as a whole, the research consortium possess the necessary competences to carry out the proposed research. This is reflected in the track record and main research achievements of the included individual researchers which is sufficient to carry out the proposed research.		All the included individual researchers are competent and independent researchers with (very) good skills and knowledge to execute the proposed research. The scientific capacity of each included individual researcher is (very) good and together they will bring the proposed research to a (very) good end. Taking into account the scientific seniority, the track record and main research achievements of all included individual researchers is (very) good and confirms the (very) good scientific capacity to execute the proposed research. Some of the included individual researchers are less internationally recognized for the contributions made within their scientific domain but this is being compensated by the more international contributions of other included individual researchers.		All the included individual researchers are competent and independent researchers with excellent skills and extended knowledge of the scientific domain. Taking into account the scientific seniority, the track record and main research achievements of all key members of the consortium is impressive. The excellent competence and available expertise, skills and/or experience gives confidence in a successful execution of the proposed research. Key partners of the consortium are internationally recognised amongst the best of their scientific domain (or 'rising stars' in their domain, taking into account the scientific seniority).		

2. Scientific quality of the bilateral research project.

D	C	B-	B	B+	A-	A	A+
	<50%	>50%	>40%	>30%	>20%	>10%	>5%
0	1	2	3	4	5	6	7
Unacceptable	Not competitive	Fair/Reasonable		Good/Very good		Excellent/Outstanding	

2.a. Scientific added value, rationale (relevance) and originality. The targeted research goals of a bilateral research proposal must contribute to the current international state-of-the-art. To what extent is the proposal original and will it generate knowledge that goes beyond the state-of-the-art (e.g. novel concepts or novel approaches)? Does the bilateral research project contain a strong rationale and robust/original hypothesis, does it propose innovative methodological approaches and is it sufficiently detailed?

The targeted research results are not original at all, do not build upon the international state-of-art and will not offer an added value to the state-of-the-art in its domain AND/OR have even been studied before (duplicate of previous studies). AND/OR The rationale and hypothesis are lacking.	The targeted research results are not very original and their innovative character is limited. The planned research activities will not result in much added value for the domain but are rather a catching up with respect to the international state-of-art. AND/OR The rationale and hypothesis are rather weak.	The project is moderately original and/or the targeted research results are primarily incremental in terms of contribution to the current state-of-the-art. The rationale and hypothesis are present however not strongly motivated.	The targeted research goals are timely, innovative and original. The research results will contribute clearly to the current international state-of-the-art in the scientific domain. The rationale is strong and hypothesis clear.	The project is timely, unique and extremely original. It distinguishes itself in an outstanding manner from ongoing research efforts at the international level. It is a pioneering project based on ground-breaking and challenging ideas, concepts and research strategies.

2.b. Quality of the research approach (methodology), feasibility and focus. A bilateral research proposal must be scientifically challenging and nonetheless feasible. To what extent is the outlined scientific approach challenging, feasible and focussed, bearing in mind the project the requested budget and a project duration of three years?

The research methodology in unappropriated to reach the scientific goals. The research approach is not suited, insufficiently elaborated. AND/OR The project is not feasible because it involves too many planned activities. OR/AND The project is too broad and not focussed at all. OR/AND The project content does not require the requested budget or time	The research approach shows serious weaknesses and/or shortcomings. AND/OR The research approach lacks key elements and should be improved substantially to meet the state-of-art. AND/OR The feasibility and/or focus of the scientific project objectives is doubtful. OR/AND The project is not ambitious enough.	The research approach is appropriate but lacks some elements and/or contains some shortcomings. The methodology is state of art.. AND/OR The project is feasible but could've been more focussed. It is however likely that the scientific goals will be delivered partly AND/OR The project could've been more challenging AND/OR more elaborated for the applied budget and/or timeframe.	The proposed methodology is (very) well elaborated, relevant and suitable to reach the targeted scientific objectives. There are no significant gaps and/or shortcomings and methodologically sufficiently innovative. AND The balance between scientific challenge and feasibility of the scientific project objectives is (very) good. The work plan proposes an efficient use of the budget and the three-year time frame. Risk mitigation strategy is present.	The proposed methodology is the most relevant, efficient and effective to reach the scientific goals and is considered as international state-of-the-art methodology in this domain. The methodology is highly innovative, well elaborated and perfectly clear. AND Excellent focus, optimal balance between high-level scientific challenges and intrinsic feasibility of the scientific project objectives. The work plan fits perfectly the three-year time frame and requested budget. In addition, the proposal clearly identifies potential risks and proposes carefully designed alternative research strategies and 'fall back' options.

2.c. Work plan. A bilateral research project must have a clearly defined work plan outlining the different work packages with their goals, research activities, timing and deliverables. A clear description of the roles of each included researcher is crucial to understand how a bilateral research project will be executed and managed. The presence of well-defined coordination tasks and a good communication strategy in the work plan can lead to outstanding scores in this criterion.

The project proposal does not include any sufficiently elaborated work plan that allows the assessment of this criterion. It is not clear at all by whom, when and how each proposed research activity will be performed.	The work plan and task allocation is not sufficiently developed. Important information is missing and significant structural adjustments are necessary.	The work plan is satisfactory and touches upon the different roles and responsibilities of each research group to the different work packages. However, in particular aspects the work plan and/or task allocation amongst the consortium partners remains vague or confusing and could be significantly improved.	The work plan, including the different work packages, is (very) clear and concretely defined, including the roles and responsibilities of each research group to the different work packages.	The work plan is sound and meticulously defined including the different roles and responsibilities of each research group to the different work packages. The goals and research activities of each work package are described in detail. In addition, the work plan includes well-defined project management tasks and a good communication strategy which contributes optimal to the smooth execution of each work package.

3. Quality of the proposed collaboration of the bilateral research project.

D	C	B-	B	B+	A-	A	A+
	<50%	>50%	>40%	>30%	>20%	>10%	>5%
0	1	2	3	4	5	6	7
Unacceptable	Not competitive	Fair/Reasonable		Good/Very Good		Excellent/Outstanding	

3.a. Added value of the proposed collaboration

This criterion assesses whether the collaboration has an added value for the bilateral research proposal. To what extent is the collaboration, containing the right combination of partners and expertises, unique and crucial to execute the proposed research. Is the rationale for bringing together these researchers/research groups clear and strong or is this partnership rather randomly composed and artificial? The complementarity/synergy of the included researchers and equipment must be clearly motivated in the research proposal.

The collaboration is artificial: There is no added value in the proposed bilateral collaboration. The proposed research can be performed alone or with local partners equally well. AND/OR The synergy in expertises and the rationale for collaboration is completely lacking. AND/Or The bilateral research team is not adequately composed which may hinder achieving the targeted research objectives.	The added value of the proposed bilateral collaboration is limited and its rationale is (rather) lacking. It is not clear how the included expertises are relevant and needed for the project. AND/OR Not every necessary expertise is either present or some expertise is doubled. The role of each included research group is not well described or is redundant.	The added value of the collaboration is acceptable, but not fully convincing. The complementarity is present however not strong. The synergy between the research groups/expertises could've been stronger and/or need a better argumentation. AND/OR the composition is not optimal as expertise is either lacking or doubled. The role of each researcher in the execution of the project is not clear.	The added value of the bilateral collaboration is clearly present and contributes (very) good to the execution of the project. There is a (very) good rationale for setting up this collaboration. The synergy between the research groups/expertises is (very) strong. AND/OR All the necessary expertise and equipment to execute the proposed research is present. The composition of and task allocation amongst the bilateral research team is clearly described and (very) well motivated. Deficiencies are sufficiently compensated by the other consortium members.	The synergy between the consortium partners is pronounced and the complementarity is key for the successful execution of the proposed research activities. The reasons for including these specific research groups/expertises are perfectly clear and valid. The proposed collaboration is crucial to achieve the proposed research goals. The bilateral research team is a perfectly balanced team of excellent internationally recognized researchers (taking into account the scientific seniority), in which each one of them has a vital role to play in the execution of the proposed research activities. All the required expertise and equipment is present in the most optimal way.

3.b. Balance in terms of work contribution amongst the diverse research groups

Each bilateral research consortium must be balanced in terms of work contribution between the Flemish and foreign research groups. To what extent does every included research group optimally contribute to the proposed research activities? How do the contributions relate to the requested budget?

There is no balance in work distribution amongst the included research groups. There is an unequilibrium between requested budget and workload for some of the groups.	No possibility for scoring	There is a reasonable balance in terms of work distribution amongst the included research groups, taking into account the requested budget and the expertise within the different groups.	No possibility for scoring	Each research group contributes in the most optimal way to the proposed research activities. There are no imbalances in terms of work contribution, taking into account the requested budget of each included research group.

Annex 2: Québec-Flanders Bilateral Research Cooperation Program Criteria and Score Grid – **Joint Selection Committee**

1. RESEARCHERS (25%)
   a. Competence of the individual researchers

2. PROJECT (40%)
   a. Scientific added value, rationale (relevance) and originality
   b. Quality of the research approach (methodology), feasibility and focus
   c. Work plan

3. COLLABORATION (15%)
   a. Added value of the proposed collaboration
   b. Balance in terms of work contribution amongst the diverse research groups

4. DEGREE OF INTERDISCIPLINARITY (20%)
   Domains of at least two of the three Québec Research Funds (FRQS – Health // FRQSC – Society and Culture // FRQNT – Nature and Technologies) must be represented in an integrated way through (1) the composition of the bilateral research team, (2) the joint design and development of the project, of issues mobilizing questions or objects of research of the different domains and (3) the innovative methodology adapted to each issue and integrating approaches.

   Projects receiving a score of 0 on 'Degree of Interdisciplinarity' will be excluded from funding.

1. Competence of the individual researchers

D	C	B-	B	B+	A-	A	A+
	<50%	>50%	>40%	>30%	>20%	>10%	>5%
0	1	2	3	4	5	6	7
Unacceptable	Not competitive	Fair/Reasonable		Good/Very good		Excellent/Outstanding	

This criterion assesses to what extent the individual researchers, included in the bilateral research project, have the necessary competences (i.e. knowledge and skills) to implement the proposed project. Do not solely assess to what extent the individual researchers, taking into account their scientific seniority, have a solid track record of international peer reviewed publications but also consider other important research achievements, (inter)national network, etc. International recognition of the included individual researchers in their scientific domain is necessary to receive outstanding scores for this criterion.

Some of the included individual researchers lack the inherent competences required to perform the proposed research. Teamwork will not compensate for this weak link. This is reflected in the track record and main research achievements of some of the included individual researchers which is, considering their scientific seniority, unacceptable and as such insufficient to adequately contribute to the proposed research.	Some of the included individual researchers do not fully possess the necessary competences, expertise, skills and/or experience to carry out their part of the research in a proper way. Only through close collaboration among all included researchers, will they manage to carry out the actual research. This is reflected in the track record and main research achievements of some of the included individual researchers which, taking into account their scientific seniority, is poor and as such possibly insufficient to adequately contribute to the proposed research.	The competence, expertise, skills and/or experience of some of the individual researchers in the consortium leads to concerns on a successful execution of the proposed research However, as a whole, the research consortium possess the necessary competences to carry out the proposed research. This is reflected in the track record and main research achievements of the included individual researchers which is sufficient to carry out the proposed research.	All the included individual researchers are competent and independent researchers with (very) good skills and knowledge to execute the proposed research. The scientific capacity of each included individual researcher is (very) good and together they will bring the proposed research to a (very) good end. Taking into account the scientific seniority, the track record and main research achievements of all included individual researchers is (very) good and confirms the (very) good scientific capacity to execute the proposed research. Some of the included individual researchers are less internationally recognized for the contributions made within their scientific domain but this is being compensated by the more international contributions of other included individual researchers.	All the included individual researchers are competent and independent researchers with excellent skills and extended knowledge of the scientific domain. Taking into account the scientific seniority, the track record and main research achievements of all key members of the consortium is impressive. The excellent competence and available expertise, skills and/or experience gives confidence in a successful execution of the proposed research. Key partners of the consortium are internationally recognised amongst the best of their scientific domain (or 'rising stars' in their domain, taking into account the scientific seniority).

2. Scientific quality of the bilateral research project.

D	C	B-	B	B+	A-	A	A+
	<50%	>50%	>40%	>30%	>20%	>10%	>5%
0	1	2	3	4	5	6	7
Unacceptable	Not competitive		Fair/Reasonable		Good/Very good		Excellent/Outstanding

2.a. Scientific added value, rationale (relevance) and originality. The targeted research goals of a bilateral research proposal must contribute to the current international state-of-the-art. To what extent is the proposal original and will it generate knowledge that goes beyond the state-of-the-art (e.g. novel concepts or novel approaches)? Does the bilateral research project contain a strong rationale and robust/original hypothesis, does it propose innovative methodological approaches and is it sufficiently detailed?

The targeted research results are not original at all, do not build upon the international state-of-art and will not offer an added value to the state-of-the-art in its domain AND/OR have even been studied before (duplicate of previous studies). AND/OR The rationale and hypothesis are lacking.	The targeted research results are not very original and their innovative character is limited. The planned research activities will not result in much added value for the domain but are rather a catching up with respect to the international state-of-art. AND/OR The rationale and hypothesis are rather weak.	The project is moderately original and/or the targeted research results are primarily incremental in terms of contribution to the current state-of-the-art. The rationale and hypothesis are present however not strongly motivated.	The targeted research goals are timely, innovative and original. The research results will contribute clearly to the current international state-of-the-art in the scientific domain. The rationale is strong and hypothesis clear.	The project is timely, unique and extremely original. It distinguishes itself in an outstanding manner from ongoing research efforts at the international level. It is a pioneering project based on ground-breaking and challenging ideas, concepts and research strategies.

2.b. Quality of the research approach (methodology), feasibility and focus. A bilateral research proposal must be scientifically challenging and nonetheless feasible. To what extent is the outlined scientific approach challenging, feasible and focussed, bearing in mind the project the requested budget and a project duration of three years?

The research methodology in unappropriated to reach the scientific goals. The research approach is not suited, insufficiently elaborated. AND/OR The project is not feasible because it involves too many planned activities. OR/AND The project is too broad and not focussed at all. OR/AND The project content does not require the requested budget or time	The research approach shows serious weaknesses and/or shortcomings. AND/OR The research approach lacks key elements and should be improved substantially to meet the state-of-art. AND/OR The feasibility and/or focus of the scientific project objectives is doubtful. OR/AND The project is not ambitious enough.	The research approach is appropriate but lacks some elements and/or contains some shortcomings. The methodology is state of art.. AND/OR The project is feasible but could've been more focussed. It is however likely that the scientific goals will be delivered partly AND/OR The project could've been more challenging AND/OR more elaborated for the applied budget and/or timeframe.	The proposed methodology is (very) well elaborated, relevant and suitable to reach the targeted scientific objectives. There are no significant gaps and/or shortcomings and methodologically sufficiently innovative. AND The balance between scientific challenge and feasibility of the scientific project objectives is (very) good. The work plan proposes an efficient use of the budget and the three-year time frame. Risk mitigation strategy is present.	The proposed methodology is the most relevant, efficient and effective to reach the scientific goals and is considered as international state-of-the-art methodology in this domain. The methodology is highly innovative, well elaborated and perfectly clear. AND Excellent focus, optimal balance between high-level scientific challenges and intrinsic feasibility of the scientific project objectives. The work plan fits perfectly the three-year time frame and requested budget. In addition, the proposal clearly identifies potential risks and proposes carefully designed alternative research strategies and 'fall back' options.

2.c. Work plan. A bilateral research project must have a clearly defined work plan outlining the different work packages with their goals, research activities, timing and deliverables. A clear description of the roles of each included researcher is crucial to understand how a bilateral research project will be executed and managed. The presence of well-defined coordination tasks and a good communication strategy in the work plan can lead to outstanding scores in this criterion.

The project proposal does not include any sufficiently elaborated work plan that allows the assessment of this criterion. It is not clear at all by whom, when and how each proposed research activity will be performed.	The work plan and task allocation is not sufficiently developed. Important information is missing and significant structural adjustments are necessary.	The work plan is satisfactory and touches upon the different roles and responsibilities of each research group to the different work packages. However, in particular aspects the work plan and/or task allocation amongst the consortium partners remains vague or confusing and could be significantly improved.	The work plan, including the different work packages, is (very) clear and concretely defined, including the roles and responsibilities of each research group to the different work packages.	The work plan is sound and meticulously defined including the different roles and responsibilities of each research group to the different work packages. The goals and research activities of each work package are described in detail. In addition, the work plan includes well-defined project management tasks and a good communication strategy which contributes optimal to the smooth execution of each work package.

3. Quality of the proposed collaboration of the bilateral research project.

D	C	B-	B	B+	A-	A	A+
	<50%	>50%	>40%	>30%	>20%	>10%	>5%
0	1	2	3	4	5	6	7
Unacceptable	Not competitive	Fair/Reasonable		Good/Very Good		Excellent/Outstanding	

3.a. Added value of the proposed collaboration

This criterion assesses whether the collaboration has an added value for the bilateral research proposal. To what extent is the collaboration, containing the right combination of partners and expertises, unique and crucial to execute the proposed research. Is the rationale for bringing together these researchers/research groups clear and strong or is this partnership rather randomly composed and artificial? The complementarity/synergy of the included researchers and equipment must be clearly motivated in the research proposal.

The collaboration is artificial: There is no added value in the proposed bilateral collaboration. The proposed research can be performed alone or with local partners equally well. AND/OR The synergy in expertises and the rationale for collaboration is completely lacking. AND/Or The bilateral research team is not adequately composed which may hinder achieving the targeted research objectives.	The added value of the proposed bilateral collaboration is limited and its rationale is (rather) lacking. It is not clear how the included expertises are relevant and needed for the project. AND/OR Not every necessary expertise is either present or some expertise is doubled. The role of each included research group is not well described or is redundant.	The added value of the collaboration is acceptable, but not fully convincing. The complementarity is present however not strong. The synergy between the research groups/expertises could've been stronger and/or need a better argumentation. AND/OR the composition is not optimal as expertise is either lacking or doubled. The role of each researcher in the execution of the project is not clear.	The added value of the bilateral collaboration is clearly present and contributes (very) good to the execution of the project. There is a (very) good rationale for setting up this collaboration. The synergy between the research groups/expertises is (very) strong. AND/OR All the necessary expertise and equipment to execute the proposed research is present. The composition of and task allocation amongst the bilateral research team is clearly described and (very) well motivated. Deficiencies are sufficiently compensated by the other consortium members.	The synergy between the consortium partners is pronounced and the complementarity is key for the successful execution of the proposed research activities. The reasons for including these specific research groups/expertises are perfectly clear and valid. The proposed collaboration is crucial to achieve the proposed research goals. The bilateral research team is a perfectly balanced team of excellent internationally recognized researchers (taking into account the scientific seniority), in which each one of them has a vital role to play in the execution of the proposed research activities. All the required expertise and equipment is present in the most optimal way.

3.b. Balance in terms of work contribution amongst the diverse research groups

Each bilateral research consortium must be balanced in terms of work contribution between the Flemish and foreign research groups. To what extent does every included research group optimally contribute to the proposed research activities? How do the contributions relate to the requested budget?

There is no balance in work distribution amongst the included research groups. There is an unequilibrium between requested budget and workload for some of the groups.	No possibility for scoring	There is a reasonable balance in terms of work distribution amongst the included research groups, taking into account the requested budget and the expertise within the different groups.	No possibility for scoring	Each research group contributes in the most optimal way to the proposed research activities. There are no imbalances in terms of work contribution, taking into account the requested budget of each included research group.

4

4. Degree of interdisciplinarity

D		C		B-	B	B+	A-	A	A+
0		1		2	3	4	5	6	7
Unacceptable		Not competitive		Fair/Reasonable		Good/Very good		Excellent/Outstanding	

Domains of at least two of the three Québec Research Funds (FRQS – Health // FRQSC – Society and Culture // FRQNT – Nature and Technologies) must be represented in an integrated way through (1) the composition of the bilateral research team, (2) the joint design and development of the project, of issues mobilizing questions or objects of research of the different domains and (3) the innovative methodology adapted to each issue and integrating approaches.

The project is **not interdisciplinary or multidisciplinary at all**. The proposed research is focused within one Québec Research Fund and all team members fall under the same Québec Research Fund.	The project is **multidisciplinary** instead of interdisciplinary in nature. Although the research covers domains of at least two of the three Québec Research Funds, expertise, methods, tools, data, … of one domain are merely used as an 'instrument' for the other domain. The various domains do not offer benefit to and do not mutually influence each other. Instead they are juxtaposed. Not all involved domains will be impacted by the outcomes of the project.	The proposed research is located **at the interfaces between domains covered by two of the three Québec Research Funds**. Although mutual interactive input is necessary from specialists falling under two out of three Québec Research funds to address the research question(s) under investigation, the level of integration is not that extensive/profound AND/OR not all involved domains are to the same extend influenced from each other and as a result don't benefit to the same extend from the project.	The proposed research is located **at the interfaces between domains covered by two of the three Québec Research Funds**. Mutual interactive input is necessary from specialists falling under two out of three Québec Research funds to (1) address the research question(s) under investigation in an integrated way and (2) to advance fundamental understanding beyond a single domain. All involved domains benefit from and mutually influence each other in the most optimal way. As a result, the outcomes will impact all involved domains and as such there is substantial added value for each involved domain. New bridges between previously unrelated fields are triggered.	The proposed research is located **at the interfaces between domains covered by all three Québec Research Funds**. Mutual interactive input is necessary from specialists falling under all three Québec Research funds to (1) address the research question(s) under investigation in an integrated way and (2) to advance fundamental understanding beyond a single domain. All involved domains benefit from and mutually influence each other. The outcomes will impact all involved domains and as such there is substantial added value for each involved domain. New bridges between previously unrelated fields are built.

Projects receiving a score of 0 on 'Degree of Interdisciplinarity' will be excluded from funding.

Classification des objets de recherche

Cliquez sur un Domaine pour voir les Objets associés

Click on a Field to see the related Topics

Sciences de la santé
Appareil locomoteur et arthrite
Cancer
Génétique humaine
Maladies infectieuses et immunitaires
Neurosciences, santé mentale et toxicomanies
Nutrition et métabolisme
Santé circulatoire et respiratoire
Santé de la mère, des enfants et des adolescents
Santé des populations
Santé différentielle des sexes
Services de santé
Vieillissement

Health Sciences
Musculoskeletal Health and Arthritis
Cancer
Human Genetics
Infection and Immunity
Neurosciences, Mental Health and Addiction
Nutrition and Metabolism
Circulatory and Respiratory Health
Child, Youth and Maternal Health
Population Health
Gender and Health
Health Services
Aging

Sciences naturelles et génie
Énergie
Environnement
Fabrication et construction
Matériaux
Nature et interactions de la matière
Organismes vivants
Ressources naturelles
Structures abstraites
Techniques, mesures et systèmes
Technologie de l'information et des communications

Natural Sciences and Engineering
Energy
Environment
Manufacturing and Construction
Materials
Nature and Matter Interactions
Living Organisms
Natural Resources
Abstract Structures
Techniques, Measurements and Systems
Communication and Information Technologies

Arts et lettres + Sciences sociales et humaines
Arts, littérature et société
Création artistique et littéraire
Cultures, religions et civilisations
Développement et fonctionnement des personnes et des communautés, et vie sociale
Économie, emploi et marchés
Éducation, savoirs et compétences
Enjeux fondamentaux et finalités de la vie humaine
Gestion des organisations
Langues et langage
Médias, communications et information
Milieux de vie, aménagement et appropriation de l'espace humain
Nature, transformation et gouvernance de la société et des institutions
Relations internationales et développement

Arts and Literature + Social Sciences and Humanities
Arts, Literature and Society
Writing and Fine Arts
Culture, Religions and Civilisations
Development of Individuals, Communities and Social Life
Economy, Employment and Markets
Education, Knowledge and Skills
Fundamental Issues and Purpose of Human Life
Organizational Management
Languages
Media, Communication and Broadcasting
Living Environment, Planning and Appropriation of Human Spaces
Nature, Transformation and Governance of Society and Institutions
International Relations and Development

Classification des objets de recherche

Research Topics Classification

2	**Appareil locomoteur et arthrite**	**Musculoskeletal Health and Arthritis**
4	Activité locomotrice / troubles du mouvement	Locomotor Activity / Movement Disorders
4	Affections bucco-dentaires	Oro-Dental Disorders
4	Affections cutanées	Skin Disorders
4	Arthrite / arthrose	Arthritis / Osteo-Arthritis
4	Articulations	Joints (Articulations)
4	Déformation musculosquelettique	Musculoskeletal Deformation
4	Douleurs oro-faciales	Oro-Facial Pain
4	Fibroses	Fibrosis
4	Génie des tissus structuraux / Biomatériaux	Structural Tissue Engineering / Biomaterials
4	Lésions musculosquelettiques et réparations	Musculoskeletal Lesions and Repair
4	Maladies des tissus conjonctifs	Connective Tissue Diseases
4	Maladies du tissu osseux	Bone Diseases
4	Maladies musculaires	Muscular Diseases
4	Matériaux dentaires	Dental Materials
4	Orthèses et prothèses	Orthoses and Prostheses
4	Ostéoporose	Osteoporosis
4	Peau	Skin
4	Santé dentaire	Dental Health
4	Scoliose	Scoliosis
4	Services et soins de réadaptation	Rehabilitation Care and Services
4	Système musculaire	Muscle
4	Tendons et ligaments	Tendons and Ligaments
4	Tissu conjonctif	Connective Tissue
4	Tissu osseux	Bone Tissue
4	Trauma/blessures	Trauma / Injuries

Classification des objets de recherche   Research Topics Classification

2	Cancer	Cancer
4	Apoptose et cancer	Apoptosis and Cancer
4	Cancer de l'appareil musculo-squelettique	Cancer of the Musculoskeletal System
4	Cancer de l'appareil reproducteur	Cancer of the Reproductive System
4	Cancer de la peau	Skin Cancer
4	Cancer de la prostate	Prostate Cancer
4	Cancer de la tête et du cou	Head and Neck Cancer
4	Cancer de l'appareil digestif	Cancer of the Digestive System
4	Cancer de l'appareil urinaire	Cancer of the Urinary System
4	Cancer du poumon	Lung Cancer
4	Cancer du sang	Leukemia
4	Cancer du sein	Breast Cancer
4	Cancer héréditaire	Hereditary Cancer
4	Cancers hormonaux-dépendants	Hormone Dependent Cancers
4	Carcinogenèse	Carcinogenesis
4	Chimiothérapie	Chemotherapy
4	Déterminants sociaux du cancer	Social Determinants of Cancer
4	Diagnostic et détection du cancer	Cancer Diagnosis and Detection
4	Différenciation cellulaire	Cellular Differentiation
4	Division cellulaire	Cellular Division
4	Environnement et cancer	Environment and Cancer
4	Facteurs de croissance (cancer)	Growth Factors (Cancer)
4	Gène suppresseur	Suppressor Gene
4	Génétique du cancer	Cancer Genetics
4	Interaction hôte-tumeur	Host-Tumour Interaction
4	Lymphomes	Lymphoma
4	Nutrition et cancer	Nutrition and Cancer
4	Oncogènes	Oncogenes
4	Radiothérapie	Radiotherapy
4	Signalisation cellulaire et cancer	Cell Signaling and Cancer
4	Stress et cancer	Stress and Cancer
4	Tabagisme et cancer	Smoking and Cancer
4	Thérapie cellulaire du cancer	Cell Therapy of Cancer
4	Thérapie génique du cancer	Gene Therapy of Cancer
4	Tumeurs cérébrales	Cerebral Tumors
4	Tumeurs rétiniennes et oculaires	Retinal and Ocular Neoplasms
4	Vaccin et cancer	Vaccine and Cancer

Classification des objets de recherche

Research Topics Classification

	Français	English
2	**Génétique humaine**	**Human Genetics**
4	Cartographie génétique	Genetic Mapping
4	Chromosomes: structure / organisation	Chromosomes: Structure / Organization
4	Dépistage génétique des maladies	Genetic Screening of Diseases
4	Dommages et réparation du génome	Genomic Damage and Repair
4	Expression et régulation génique	Gene Regulation and Expression
4	Gènes	Genes
4	Gènes de susceptibilité	Susceptibility Genes
4	Génétique appliquée	Applied Genetics
4	Génétique de traits complexes	Complex Trait Genetics
4	Génétique du développement	Developmental Genetics
4	Génétique et éthique	Genetics and Ethics
4	Génétique et hérédité	Genetics and Heredity
4	Génétique évolutive	Evolutionary Genetics
4	Génétique moléculaire	Molecular Genetics
4	Génétique populationnelle	Population Genetics
4	Génome	Genome
4	Génomique	Genomics
4	Interactions gènes et environnement	Gene-Environment Interactions
4	Maladies génétiques	Genetic Diseases
4	Marqueurs génétiques	Genetic Markers
4	Micropuces d'ADN et d'ARN	DNA and RNA Chips
4	Modèle transgénique	Transgenic Model
4	Mutation (processus)	Mutation (Process)
4	Phénotype	Phenotype
4	Polymorphisme	Polymorphism
4	Protéines	Proteins
4	Protéomique	Proteomics
4	Télomères	Telomeres
4	Thérapie génique	Gene Therapy

	Classification des objets de recherche	Research Topics Classification
	Identifiez l'objet de niveau 4 qui décrit vos recherches	**Identify the level 4 topic that describes your research**
2	**Maladies infectieuses et immunitaires**	**Infection and Immunity**
4	Allergies	Allergies
4	Antibiotiques et résistance	Antibiotics and Resistance
4	Anticorps	Antibodies
4	Antigènes	Antigens
4	Antiviraux	Antivirals
4	Bactéries	Bacteria
4	Brûlure et infection	Burns and Infection
4	Choc septique	Septic Shock
4	Défense cellulaire	Cellular Defense
4	Déterminants sociaux des maladies infectieuses et immunitaires	Social Determinants of Infectious and Immune-Mediated Diseases
4	Développement de vaccins	Vaccine Development
4	Génétique de l'hôte	Host Genetics
4	Hépatites	Hepatitis
4	Immunodéficiences	Immunodeficiencies
4	Immunothérapie	Immunotherapy
4	Infections bactériennes	Bacterial Infections
4	Infections fongiques	Fungal Infections
4	Infections parasitaires	Parasitic Infections
4	Infections virales	Viral Infections
4	Leucocytes	Leukocytes
4	Levures	Yeasts
4	Maladies auto-immunes	Auto-Immune Diseases
4	Maladies du système immunitaire	Diseases of the Immune System
4	Maladies infectieuses	Infectious Diseases
4	Maladies transmises sexuellement	Sexually Transmitted Diseases
4	Maladies tropicales	Tropical Diseases
4	Médiateurs immunologiques: cytokines et chimiokines	Immune Mediators: Cytokines and Chemokines
4	Parasites	Parasites
4	Plaquettes	Platelets
4	Santé internationale et pathologies émergentes	Global Health and Emerging Diseases
4	SIDA / VIH	AIDS / HIV
4	Signalisation cellulaire et maladies infectieuses et immunitaires	Cell Signaling and Infectious and Immune Diseases
4	Substituts du sang	Blood Substitutes
4	Système immunitaire	Immune System
4	Thérapie cellulaire des maladies infectieuses et immunitaires	Cell Therapy of Infectious and Immune Diseases
4	Thérapie génique des maladies infectieuses et immunitaires	GeneTherapy of Infectious and Immune Diseases
4	Transplantation et rejet de greffes	Transplantation and Graft Rejection
4	Tuberculose	Tuberculosis
4	Vaccination	Vaccination
4	Virus	Virus

	Identifiez l'objet de niveau 4 qui décrit vos recherches	Identify the level 4 topic that describes your research
2	**Neurosciences, santé mentale et toxicomanies**	**Neurosciences, Mental Health and Addiction**
4	Accidents cérébro-vasculaires	Cerebrovascular Accident
4	Acquisition et développement du langage	Language Acquisition and Development
4	Activité nerveuse et synaptique	Neuronal and Synaptic Activity
4	Affections convulsives / Épilepsie	Convulsive Disorders/ Epilepsy
4	Alcoolisme	Alcoholism
4	Anxiété	Anxiety
4	Apoptose (neurosciences)	Apoptosis (Neurosciences)
4	Apprentissage et mémoire	Learning and Memory
4	Ataxies	Ataxia
4	Autisme	Autism
4	Chorée de Huntington	Huntington's Chorea
4	Chronobiologie	Chronobiology
4	Cognition	Cognition
4	Communication neuronale et neurotransmission	Neuronal Communication and Neurotransmission
4	Démences	Dementia
4	Dépression	Depression
4	Développement du système nerveux	Nervous System Development
4	Douleur	Pain
4	Facteurs de croissance (neurosciences)	Growth Factors (Neurosciences)
4	Fonctions exécutives	Executive Functions
4	Génétique des maladies neurologiques et psychiatriques	Genetics of Neurological and Psychiatric Diseases
4	Greffes neuronales et cellules souches	Neuronal Transplantation and Stem Cells
4	Hémiplégie et paraplégie	Hemiplegia and Paraplegia
4	Maladie d'Alzheimer	Alzheimer's Disease
4	Maladie de Parkinson	Parkinson's Disease
4	Maladies de l'œil et du système visuel	Eye and Visual System Diseases
4	Maladies de la moelle épinière	Spinal Cord Diseases
4	Maladies du système nerveux périphérique	Peripheral Nervous System Diseases
4	Maladies inflammatoires du système nerveux central	Central Nervous System Inflammatory Diseases
4	Maladies neurodégénératives	Neurodegenerative Diseases
4	Maladies neuroendocriniennes	Neuroendocrine Diseases
4	Maladies neuroimmunologiques	Neuroimmunological Diseases
4	Maladies neurologiques	Neurological Diseases
4	Maladies neuromusculaires	Neuromuscular Diseases
4	Maladies organiques du système nerveux central	Central Nervous System Organic Diseases
4	Métabolisme cérébral	Brain Metabolism
4	Migraine	Migraine
4	Modélisation neuronale	Neuronal Modeling
4	Motivations et émotions	Motivations and Emotions
4	Neurogénèse et gliogénèse	Neurogenesis and Gliogenesis
4	Neurotoxicité	Neurotoxicity
4	Plasticité / régénération neuronale	Plasticity / Neuronal Regeneration
4	Psychiatrie sociale et culturelle	Social and Cultural Psychiatry

Classification des objets de recherche

Research Topics Classification

2	Neurosciences, santé mentale et toxicomanies	Neurosciences, Mental Health and Addiction
4	Récepteurs et transporteurs	Receptors and Carriers
4	Santé mentale et société	Mental Health and Society
4	Schizophrénie	Schizophrenia
4	Sclérose en plaques	Multiple Sclerosis
4	Signalisation cellulaire (neurosciences)	Cell Signaling (Neurosciences)
4	Somatisation et syndromes somatiques fonctionnels	Somatization and Functional Somatic Syndromes
4	Sommeil et troubles du sommeil	Sleep and Sleep Disorders
4	Stress	Stress
4	Suicide	Suicide
4	Système auditif	Auditory System
4	Système gustatif	Gustatory System
4	Système moteur	Motor System
4	Système nerveux autonome	Autonomic Nervous System
4	Système olfactif	Olfactory System
4	Système somato-sensoriel	Somatosensory System
4	Système visuel	Visual System
4	Tabagisme	Smoking
4	Thérapie génique (neurosciences)	Gene Therapy (Neurosciences)
4	Toxicomanies	Drug Abuse
4	Traumatismes crânio-encéphaliques et de la moelle épinière	Cranio-Encephalic and Spinal Cord Trauma
4	Troubles affectifs (de l'humeur)	Mood Disorders
4	Troubles caractériels	Character Disorders
4	Troubles de la parole et du langage	Communication Disorders
4	Troubles de l'alimentation	Eating Disorders
4	Troubles de l'audition	Hearing Disorders
4	Troubles vestibulaires	Vestibular Disorders

Classification des objets de recherche

Research Topics Classification

2	**Nutrition et métabolisme**	**Nutrition and Metabolism**
4	Appareil digestif	Digestive System
4	Appétit	Appetite
4	Besoins nutritionnels	Nutritional Requirements
4	Comportement alimentaire	Feeding Behavior
4	Désordres endocriniens	Endocrine Disorders
4	Désordres métaboliques	Metabolic Disorders
4	Désordres nutritionnels	Nutritional Disorders
4	Déterminants sociaux des dérèglements alimentaires et métaboliques	Social Determinants of Dietary and Metabolic Disorders
4	Développement de vecteurs de transport des médicaments	Development of Drug Delivery Systems
4	Diabète	Diabetes
4	Empoisonnements	Poisoning
4	Foie	Liver
4	Glucotoxicité	Glucotoxicity
4	Hormones et facteurs de croissance	Hormones and Growth Factors
4	Hyperthermie et hypothermie	Hyperthermia and Hypothermia
4	Insuffisance rénale et malabsorption	Renal Insufficiency/Failure and Malabsorption
4	Malabsorption intestinale et syndromes cholestatiques	Intestinal Malabsorption and Cholestatic Syndromes
4	Maladie de Crohn	Crohn's Disease
4	Maladies hépatiques	Hepatic Diseases
4	Maladies lipidiques	Lipid Disorders
4	Maladies métaboliques	Metabolic Diseases
4	Maladies rénales	Renal Diseases
4	Métabolisme	Metabolism
4	Métabolisme des agents toxiques	Toxin and Toxicant Metabolism
4	Métabolisme des médicaments	Drug Metabolism
4	Métabolisme énergétique	Energy Metabolism
4	Nutriments	Nutrients
4	Nutrition	Nutrition
4	Obésité	Obesity
4	Pancréas	Pancreas
4	Pathologies de l'appareil digestif	Gastrointestinal Pathologies
4	Pathologies urogénitales	Urogenital Pathologies
4	Processus de digestion	Digestion
4	Produits nutraceutiques et aliments fonctionnels	Nutriceuticals and Functional Foods
4	Régulation hormonale	Hormonal Regulation
4	Système rénal	Renal System
4	Système endocrinien	Endocrine System
4	Système génito-urinaire	Urogenital System
4	Toxicologie	Toxicology

Classification des objets de recherche

Research Topics Classification

	Santé circulatoire et respiratoire	Circulatory and Respiratory Health
2		
4	Anémies	Anemia
4	Anévrysme	Aneurism
4	Angiogénèse	Angiogenesis
4	Appareil respiratoire	Respiratory System
4	Artériopathie périphérique	Peripheral Arteriopathy
4	Arythmies	Arrhythmia
4	Asthme	Asthma
4	Athérosclérose	Atherosclerosis
4	Cardiopathies congénitales	Congenital Cardiopathies
4	Cellules souches et organogénèse	Stem Cells and Organogenesis
4	Circulation et transfusion sanguine	Blood Flow and Transfusions
4	Déterminants sociaux des maladies cardiovasculaires	Social Determinants of Cardiovascular Diseases
4	Déterminants sociaux des maladies respiratoires	Social Determinants of Respiratory Diseases
4	Endocardite	Endocarditis
4	Environnement et maladies respiratoires	Environment and Respiratory Diseases
4	Fibrose cardiaque	Cardiac Fibrosis
4	Fibrose pulmonaire	Pulmonary Fibrosis
4	Fibrose kystique	Cystic Fibrosis
4	Hypertension artérielle	Hypertension
4	Hypertension pulmonaire	Pulmonary Hypertension
4	Hypertrophie cardiaque	Cardiomyopathy
4	Insuffisance cardiaque	Heart Failure
4	Maladie pulmonaire obstructive chronique	Chronic Obstructive Pulmonary Disease
4	Maladies cardiovasculaires	Cardiovascular Diseases
4	Maladie coronarienne	Coronary Heart Diseases
4	Maladies inflammatoires du système respiratoire	Inflammatory Respiratory Diseases
4	Maladies pulmonaires professionnelles	Occupational Lung Diseases
4	Phlébite	Phlebitis
4	Pneumopathies	Pneumopathies
4	Prothèses et substituts vasculaires	Prostheses and Vascular Substitutes
4	Signalisation cellulaire (santé circulatoire et respiratoire)	Cell Signaling (Circulatory and Respiratory Health)
4	Système cardiovasculaire	Cardiovascular System
4	Thérapie cellulaire (santé circulatoire et respiratoire)	Cell Therapy (Circulatory and Respiratory Health)
4	Thromboses et embolies	Thrombosis and Embolism
4	Valves cardiaques/Maladies valvulaires	Heart Valve / Valvular Diseases
4	Transplantation cardiaque	Heart Transplantation
4	Transplantation pulmonaire	Lung Transplantation

Classification des objets de recherche   Research Topics Classification

2	Santé de la mère, des enfants et des adolescents	Child, Youth and Maternal Health
4	Abus et négligence des enfants	Child Abuse and Negligence
4	Adolescence et troubles de l'alimentation	Youth and Eating Disorders
4	Allaitement et nutrition du nourrisson	Breast Feeding and Infant Nutrition
4	Anomalies congénitales	Congenital Anomalies
4	Anomalies de la croissance intra-utérine	Intrauterine Developmental Abnormalities
4	Autisme	Autism
4	Dépistage prénatal et néonatal	Prenatal and Neonatal Screening
4	Dépression post-partum	Postpartum Depression
4	Déterminants sociaux du développement de l'enfant et de l'adolescent	Social Determinants of Child and Youth Development
4	Développement cognitif de l'enfant	Cognitive Development in Children
4	Développement du nourrisson / de l'enfant	Infant / Child Development
4	Développement embryonnaire	Embryonic Development
4	Fibrose kystique	Cystic Fibrosis
4	Grossesse / Accouchement	Gestation / Parturition
4	Médicaments et grossesse / allaitement	Drugs and Pregnancy / Breast Feeding
4	Paralysie cérébrale	Cerebral Palsy
4	Pathologies du nouveau-né	Newborn Diseases
4	Pathologies respiratoires du nouveau-né	Newborn Respiratory Diseases
4	Périnatalité	Perinatal Period
4	Prééclampsie	Preeclampsia
4	Prématurité	Prematurity
4	Retard de croissance	Growth Retardation
4	Retard mental	Mental Retardation
4	Santé mentale et psychopathologie des enfants et des adolescents	Mental Health and Psychopathology in Children and Youth
4	Syndrome de la mort subite du nourrisson	Sudden Infant Death Syndrome
4	Trauma prénatal et périnatal	Prenatal and Perinatal Trauma
4	Troubles de comportement chez l'enfant et l'adolescent	Behavioral Disorders in Children and Adolescents
4	Troubles de l'apprentissage chez l'enfant	Learning Disorders in Children
4	Troubles d'inattention et d'hyperactivité	Attention Deficit and Hyperactivity Disorders
4	Troubles du langage chez l'enfant	Speech and Language Development Disorders
4	Vaccination de l'enfant	Childhood Vaccination

Classification des objets de recherche   Research Topics Classification

	Français	English
2	**Santé des populations**	**Population Health**
4	Culture et santé	Cultural and Health
4	Déterminants sociaux de la santé	Social Determinants of Health
4	Droit et santé	Law and Health
4	Écologie humaine et sociale	Human and Social Ecology
4	Éthique et santé	Ethics and Health
4	Famille et aidants naturels	Family and Care Givers
4	Habitudes de vie et santé	Lifestyle Determinants and Health
4	Pharmaco-économie	Pharmacoeconomics
4	Pharmaco-épidémiologie	Pharmacoepidemiology
4	Prévention en santé	Health Prevention
4	Promotion de la santé	Health Promotion
4	Santé communautaire / santé publique	Community Health / Public Health
4	Santé des Autochtones	Native Health
4	Santé environnementale	Environmental Health
4	Santé et sécurité au travail	Occupational Safety and Health
4	Sciences paramédicales	Paramedical Sciences

Classification des objets de recherche

Research Topics Classification

	Santé différentielle des sexes	Gender and Health
2		
4	Andropause	Andropause
4	Contrôle de la reproduction	Birth Control
4	Cycle menstruel et problèmes associés	Menstrual Cycle and Associated Problems
4	Dysfonctions sexuelles	Sexual Dysfunctions
4	Endométriose	Endometriosis
4	Épidémiologie différentielle des sexes	Gender Epidemiology
4	Hormonothérapie de remplacement	Hormone Replacement Therapy
4	Infertilité féminine	Female Infertility
4	Infertilité masculine	Male Infertility
4	Maladies transmises sexuellement	Sexually Transmitted Diseases
4	Mécanismes et dysfonctions de la reproduction	Reproductive Biology and Dysfunctions
4	Ménopause	Menopause
4	Prostate	Prostate
4	Régulations endocriniennes	Endocrine Regulation
4	Stéroïdes	Steroids
4	Techniques de reproduction	Fertility Technologies
4	Troubles du système urogénital féminin	Female Urogenital System Disorders
4	Troubles du système urogénital masculin	Male Urogenital System Disorders

Classification des objets de recherche

Research Topics Classification

2	**Services de santé**	**Health Services**
4	Médecine d'urgence	Emergency Medicine
4	Organisation des soins de santé	Health Care Organization
4	Politiques de santé	Health Policies
4	Pratiques professionnelles	Professional Practices
4	Services de première ligne	Hot Line Services
4	Services de santé	Health Services
4	Soins à domicile	Home Care Services
4	Soins de longue durée	Long-Term Care Services
4	Soins hospitaliers	Hospital Care Services
4	Soins infirmiers	Nursing
4	Soins intensifs	Intensive Care
4	Soins palliatifs	Palliative Care
4	Systèmes d'informations sur la santé	Health Information Systems
4	Techniques diagnostiques	Diagnostic Techniques
4	Technologies des soins	Health Care Technologies
4	Télémédecine	Telemedicine

Classification des objets de recherche

Research Topics Classification

2	Vieillissement	Aging
4	Âge et facteurs de risques	Age and Risk Factors
4	Aspects sociaux du vieillissement	Social Aspects of Aging
4	Atrophie cérébrale	Cerebral Atrophy
4	Dégénérescence cellulaire	Cellular Degeneration
4	Génétique du vieillissement	Genetics of Aging
4	Maladies chroniques chez les personnes âgées	Chronic Diseases in Elderly
4	Maladies neurodégénératives	Neurodegenerative Diseases
4	Neuropsychologie cognitive du vieillissement	Cognitive Neuropsychology of Aging
4	Nutrition et vieillissement	Nutrition and Aging
4	Perte d'autonomie	Loss of Independence
4	Prise de médicaments et interactions médicamenteuses	Drug Administration and Drug Interactions
4	Processus de vieillissement	Aging Process
4	Qualité de vie et vieillissement	Quality of Life and Aging
4	Relations intergénérationnelles	Intergenerational Relations
4	Vieillissement cellulaire	Cellular Aging

Sciences naturelles et génie

Classification des objets de recherche

Research Topics Classification

RETOUR

BACK

Niveau	Français	Anglais
2	**Énergie**	**Energy**
3	**Production d'énergie**	**Energy Production**
4	Biomasse (énergie)	Biomass (Energy)
4	Combustibles fossiles	Fossil Fuels
4	Énergie éolienne et solaire	Solar and Wind Energy
4	Hydro-électricité	Hydroelectricity
4	Nucléaire et fusion	Nuclear and Fusion
3	**Transformation et utilisation d'énergie**	**Energy Transformation and Energy Using**
4	Distribution et réseaux d'énergie	Energy Networks and Distribution
4	Économie d'énergie	Energy Conservation
4	Piles électrochimiques et à combustion	Electrochemical and Fuel Cells
4	Planification économique de l'énergie	Economic Planning of Energy
4	Stockage d'énergie	Energy Storage
4	Technologie de l'hydrogène	Hydrogen Technologies
3	**Transport d'énergie**	**Power Transmission**
4	Lignes électriques	Electric Lines
4	Oléoducs	Pipelines
4	Pétroliers ou gaziers	Oil or Gas Tankers

RETOUR

BACK

Classification des objets de recherche   Research Topics Classification

	Français	English
2	**Environnement**	**Environment**
3	**Eau**	**Water**
4	Eau potable	Drinking Water
4	Eaux douces	Fresh Water
4	Eaux souterraines et nappes phréatiques	Ground Water and Water Tables
4	Eaux usées	Used Water
4	Glace et neige	Ice and Snow
4	Interfaces eau/continent	Water/Continent Interfaces
4	Milieu marin	Marine Environment
4	Sédimentation côtière	Coastal Sedimentation
3	**Air**	**Air**
4	Atmosphère (incluant aspects chimiques)	Atmosphere (Including Chemical Aspects)
4	Changements climatiques, impacts	Climate Changes and Impacts
4	Perturbations atmosphériques (foudre, pluie, etc.)	Atmospheric Disturbance (Lightning, Rain, etc.)
4	Polluants atmosphériques	Atmospheric Pollutants
4	Pollution par les ondes (bruit, micro-ondes, champs électromagnétiques)	Wave Pollution (Noise, Microwaves, Electromagnetic Fields)
4	Prévision et modélisation climatique	Prediction and Climatic Modeling
3	**Terre**	**Land and Soil**
4	Arpentage et aménagement du milieu	Surveying and Land Management
4	Contamination industrielle et urbaine des terres	Industrial and Urban Contamination of Land
4	Contamination minière et pétrolière	Mining and Petroleum Contamination
4	Géomatique	Geomatics
4	Processus géologiques et géomorphologiques	Geological and Geomorphological Processes
4	Risques naturels	Natural Risks
4	Sols et sédiments	Soil and Sediments
3	**Polluants**	**Pollutants**
4	Polluants chimiques	Chemical Pollutants
4	Produits inflammables ou explosifs	Flammable or Explosive Products
4	Substances radioactives	Radioactive Substances
4	Toxines et autres substances biologiques	Toxins and other Biological Substances
3	**Écologie et qualité du milieu**	**Ecology and Quality of the Environment**
4	Aires protégées	Protected Areas
4	Biodiversité et biocomplexité	Biodiversity and Biocomplexity
4	Biogéographie	Biogeography
4	Biorestauration	Bioremediation
4	Écosystème (terrestre et aquatique)	Ecosystem (Aquatic and Terrestrial)
4	Espèces menacées ou vulnérables	Vulnerable and Threatened Species
4	Paysage et restauration	Landscape and Restoration
4	Processus écologique et écophysiologique	Ecological and Ecophysiological Processes
3	**Gestion et protection**	**Protection and Management**
4	Contrôle des risques naturels	Natural Risk Control
4	Décontamination des sols	Soil Decontamination
4	Technologies propres	Clean Technologies
4	Traitement des déchets liquides et gazeux	Liquid and Gaseous Waste Treatment

Classification des objets de recherche   Research Topics Classification

2	Environnement	Environment
4	Traitement des eaux usées urbaines, industrielles et agricoles	Urban, Industrial and Agricultural Waste Water Treatment
4	Traitement et recyclage des déchets solides	Recycling and Processing of Solid Waste

Classification des objets de recherche

Research Topics Classification

2	**Fabrication et construction**	**Manufacturing and Construction**
3	**Procédures de fabrication**	**Manufacturing Processes**
4	Contrôle de qualité	Quality Control
4	Dégradation des matériaux	Material Degradation
4	Design industriel	Industrial Design
4	Facteurs humains en fabrication	Human Factors in Manufacturing
4	Impacts en fabrication	Manufacturing Impacts
4	Logistique industrielle	Industrial Logistic
4	Préfaisabilité et échelle pilote	Prefeasibility and Pilot Scale
4	Préparation et transformation	Preparation and Transformation
4	Propriétés et essais des produits	Product Testing and Properties
4	Prototypage	Prototyping
4	Robotique et automatisation	Robotics and Automation
4	Santé et sécurité	Health and Security
3	**Procédés industriels**	**Industrial Processes**
4	Bioprocédés et systèmes biomédicaux	Bioprocesses and Biomedical systems
4	Chauffage et réfrigération	Heating and Refrigeration
4	Emballage et recyclage	Wrapping and Recycling
4	Moulage	Milling
4	Procédés chimiques	Chemical Processes
4	Procédés physiques et mécaniques	Mechanical and Physical Processes
4	Réticulations et durci	Reticulation and Hardened
4	Séchage et lyophilisation	Drying and Lyophilization
4	Thermodynamique	Thermodynamics
4	Transfert de chaleur	Heat Transfer
4	Transfert de masse	Mass Transfer
4	Usinage et assemblage	Machining and Assembling
3	**Conception**	**Design**
4	Capteurs et dispositifs	Sensors and Devices
4	Conception de matériaux	Material Design
4	Équipements	Equipment
4	Instruments	Instruments
4	Machinerie	Machinery
4	Technologies de la construction	Construction Technologies
3	**Grands ouvrages**	**Great Work Achievements**
4	Barrages	Dams
4	Bâtiments	Buildings
4	Plateforme de forage	Oil rig
4	Ponts	Bridges
4	Dégradation et vieillissement des grands ouvrages	Degradation and Aging of Great Work Achievements
4	Phénomènes dynamiques des grands ouvrages	Dynamic Phenomena of Great Work Achievements
4	Résistance des structures	Structure Resistance
4	Résistance sismique	Seismic Resistance

Classification des objets de recherche | # Research Topics Classification

2	**Matériaux**	**Materials**
3	**Matériaux de base**	**Basic Materials**
4	Béton et ciment	Concrete and Cement
4	Bois	Wood
4	Céramiques et verres	Ceramics and Glass
4	Matériaux organiques ou de synthèse	Organic or Synthesis Materials
4	Métaux et alliages	Metals and Alloys
4	Pierres et silicates	Stones and Silicates
4	Textiles, tissus, cuir	Textiles, Fabrics and Leather
3	**Matériaux fonctionnels et intelligents**	**Functional and Intelligent Materials**
4	Alliage à mémoire de forme	Shape Memory Alloy
4	Biomatériaux	Biomaterials
4	Composites	Composites
4	Films, membranes et polymères multiphases	Films, Membranes and Multiphase Polymers
4	Gels et mousses	Gels and Foams
4	Plasturgie	Plastic Transformation
4	Polymères	Polymers
4	Revêtements	Coatings
3	**Nanotechnologies**	**Nanotechnologies**
4	Nanomatériaux	Nanomaterials
4	Nanoparticules	Nanoparticles
4	Nanosystèmes	Nanosystems
4	Supramolécules et autoassemblages	Supramolecules and Autoassembling

Classification des objets de recherche — Research Topics Classification

	Identifiez l'objet de niveau 4 qui décrit vos recherches	Identify the level 4 topic that describes your research
2	**Nature et interactions de la matière**	**Nature and Matter Interactions**
3	**Particules et rayonnement**	**Particles and Radiance**
4	Électron et neutron	Electron and Neutron
4	Interactions rayonnement-matière	Light-Matter Interactions
4	Particules élémentaires	Elementary Particles
4	Plasmas	Plasmas
3	**Atomes et molécules**	**Atoms and Molecules**
4	Chimie combinatoire	Combinatorial Chemistry
4	Composés inorganiques et organométalliques	Inorganic and Organometallic Compounds
4	Macromolécules	Macromolecules
4	Métaux et non-métaux	Metals and Nonmetals
4	Molécules organiques et biomolécules	Organic Molecules and Biomolecules
4	Phénomènes quantiques	Quantum Phenomena
4	Synthèse chimique et catalyse	Chemical Synthesis and Catalysis
3	**États de la matière**	**Matter State**
4	Bases températures et températures élevées	Low Temperatures and High Temperatures
4	Gaz et état critique	Gas and Critical State
4	Gravitation	Gravitation
4	Liquides et solutions	Liquids and Solutions
4	Membranes	Membranes
4	Semiconducteurs	Semiconductor
4	Solides	Solids
4	Superfluides	Superfluids
4	Supraconducteurs	Superconductor
4	Surfaces, interfaces et couches minces	Surfaces, Interfaces and Thin Layers
4	Systèmes colloïdaux et autoassemblés	Colloidal and Autoassembled Systems
4	Transitions de phases	Phase Transitions
3	**Terre**	**Earth**
4	Géodynamique	Geodynamics
4	Géotechnique	Geotechnics
4	Structure et composition de la Terre	Earth Structure and Composition
4	Transformation et évolution de la surface terrestre	Transformation and Evolution of the Earth Surface
3	**Planètes et Univers**	**Planets and Universe**
4	Galactique et cosmique	Galactic and Cosmic
4	Stellaire	Stellar
4	Structure de l'univers	Universe Structure
4	Systèmes planétaire et solaire	Solar and Planetary Systems

Classification des objets de recherche

Research Topics Classification

Level	Français	English
2	**Organismes vivants**	**Living Organisms**
3	**Êtres vivants**	**Living Beings**
4	Animal	Animal
4	Monère	Monera
4	Protiste	Protist
4	Végétal	Plants
3	**Subcellulaire**	**Subcellular**
4	Acides nucléiques	Nucleic Acids
4	Enzymes et protéines	Enzymes and Proteins
4	Molécules bioactives	Bioactive Molecules
3	**Cellulaire**	**Cellular**
4	Cellule	Cell
4	Chromosome (Organismes vivants)	Chromosome (Living Organisms)
4	Gène (Organismes vivants)	Gene (Living Organisms)
3	**Génomique et protéomique**	**Genomics and Proteomics**
4	Bioinformatique	Bioinformatics
4	Biotechnologie	Biotechnology
4	Génotype et phénotype	Genotype and Phenotype
4	Mécanismes biologiques et biochimiques	Biological and Biochemical Mechanisms
4	Protéomique fonctionnelle et structurale	Functional and Structural Proteomics
4	Technologies biomédicales	Biomedical Technologies
3	**Microbiologie**	**Microbiology**
4	Micro-organismes	Microorganisms
4	Réactions immunitaires	Immune Reactions
4	Protozoaire	Protozoan
4	Virus (Organismes vivants)	Virus (Living Organisms)
3	**Organisation et fonctions biologiques**	**Organisation and Biological Functions**
4	Comportement biologique	Biological Behavior
4	Évolution et phylogénie	Evolution and Phylogenesis
4	Glandes et tissus	Glands and Tissues
4	Métabolisme (Organismes vivants)	Metabolism (Living Organisms)
4	Milieux et habitats	Environment and Habitats
4	Morphologie (biologie)	Morphology
4	Pathologies	Pathology
4	Physiologie	Physiology
4	Reproduction et croissance	Reproduction and Growth
4	Taxonomie et systématique	Taxonomy and Systematics
3	**Psychologie - aspects biologiques**	**Psychology - Biological Aspects**
4	Apprentissage et mémoire	Learning and Memory
4	Cognition et langage	Cognition and Language
4	Intégration sensorimotrice	Sensorimotor Integration
4	Motivation, émotions et récompense	Motivation, Emotions and Rewards
4	Sensation et perception	Sensation and Perception
4	Sommeil, éveil et modulation chronobiologique	Sleep, Arousal and Chronobiological Modulation

Classification des objets de recherche ... Research Topics Classification

	Français	English
2	**Ressources naturelles**	**Natural Resources**
3	**Agriculture**	**Agriculture**
4	Machinerie et technologies agricoles	Agricultural Machinery and Technology
4	Nutrition des espèces	Species Nutrition
4	Parasites et maladies	Parasites and Diseases
4	Pisciculture	Fish Farming
4	Production animale	Animal Production
4	Production et contrôle des insectes	Production and Insect Control
4	Production végétale	Crop Production
4	Produits de transformation agroalimentaire	Agri-food Transformation Products
4	Reproduction animale	Animal Reproduction
4	Reproduction végétale	Plant Reproduction
3	**Forêts et végétaux**	**Plants and Forests**
4	Autres transformations du bois	Other Wood Transformations
4	Pâtes et papier	Pulp and Paper
4	Production végétale autre que forestière	Crop Production other than Forest Products
4	Sylviculture	Sylviculture
4	Technologies et équipements forestiers	Forestry Technology and Equipment
3	**Mines**	**Mines**
4	Exploration minière	Mine Exploration
4	Processus d'extraction minière	Mining Development Processes
4	Technologies d'exploration minière	Mine Exploration Technologies
4	Traitement des minéraux	Mineral Processing
3	**Eaux intérieures et océans**	**Oceans and Inland Waters**
4	Aquaculture	Aquaculture
4	Autres ressources marines et lacustres	Other Marine and Lacustrine Resources
4	Cycle de l'eau et réservoirs	Hydrological Cycle and Reservoirs
4	Hydrosystème d'eau courante	Running Water Hydrosystem
4	Ressources halieutiques	Fishery Resources

Classification des objets de recherche

Research Topics Classification

	Français	English
2	**Structures abstraites**	**Abstract Structures**
3	**Informatique théorique**	**Theoretical Computer Science**
4	Complexité (Informatique)	Complexity
4	Langage informatique	Programming Language
4	Mathématique informatique	Mathematics of Computing
4	Programmation logique	Logic Programming
4	Théorie du calcul	Theory for calculus
3	**Mathématiques**	**Mathematics**
4	Algèbre	Algebra
4	Analyse fonctionnelle	Functional Analysis
4	Analyse globale et non linéaire	Global and Non-Linear Analysis
4	Asymptotique et analyse classique appliquée	Asymptotic and Classical Applied Analysis
4	Combinatoire (Math)	Combinatorial
4	Équations différentielles	Differential Equation
4	Géométrie	Geometry
4	Logique (Math)	Logic
4	Mathématiques discrètes	Discreet Mathematics
4	Théorie des nombres	Numbers Theory
4	Topologie (Math)	Topology
3	**Statistiques et probabilités**	**Statistics and Probabilities**
4	Exploration de données (Data mining)	Data mining
4	Études actuarielles	Actuarial Studies
4	Inférence paramétrique et non paramétrique	Parametric and Non-Parametric Inference
4	Méta-analyse	Meta-Analysis
4	Processus stochastiques	Stochastic Processes
4	Statistique informatique	Computer Science and Statistics
4	Statistiques théoriques	Theoretical Statistics
4	Théorie de la probabilité	Probability Theory
3	**Outils mathématiques et informatiques**	**Computer Sciences and Mathematical Tools**
4	Analyse mathématique	Mathematical Analysis
4	Analyse numérique	Numerical Analysis
4	Logiciels (outils)	Software (Tools)
4	Modélisation et simulation	Modelization and Simulation
4	Optimisation, contrôle et recherche opérationnelle	Optimization, Control and Operations Research
4	Approche théorique	Theoretical Approach

Classification des objets de recherche

Research Topics Classification

	Français	English
2	**Techniques, mesures et systèmes**	**Techniques, Measurements and Systems**
3	**Outils de caractérisation**	**Characterization Tools**
4	Caractérisation des surfaces	Surface Characterization
4	Composition chimique	Chemical Composition
4	Dégradation	Degradation
4	Dimension et forme moléculaire	Molecular Size and Shape
4	Imagerie	Imagery
4	Mise en forme	Shaping
4	Propriétés rhéologiques	Rheology Properties
4	Propriétés thermodynamiques	Thermodynamic Properties
4	Recyclage	Recycling
4	Structure et caractérisation macroscopique	Structure and Macroscopic Characterization
4	Structure moléculaire et conformation	Molecular Structure and Sizing
4	Transport moléculaire	Molecular Transportation
3	**Phénomènes ondulatoires**	**Wave Phenomena**
4	Acoustique	Acoustics
4	Bruit et vibration	Noise and Vibration
4	Composantes optiques, fibres optiques	Optical Components, Optical Fibre
4	Laser	Laser
4	Micro-ondes et hyperfréquence	Microwaves and Hyperfrequencies
4	Optique et photonique	Optics and Photonics
4	Rayons-X	X-Rays
4	Télémétrie (télédétection, radar)	Telemetry (Remote Sensing, Radar)
4	Vision	Vision
3	**Systèmes de transport**	**Transportation Systems**
4	Équipements de transport	Transportation Equipment
4	Transport des marchandises	Merchandise Transportation
4	Systèmes aériens et aérogare	Aerial Systems and Airports
4	Systèmes ferroviaires	Railways
4	Systèmes routiers	Roadways
4	Techniques de l'espace	Space Techniques
4	Voies maritimes et ponts	Seaways and Bridges
3	**Systèmes électriques et électroniques**	**Electric and Electronic Systems**
4	Asservissement	Servo-Control
4	Circuits intégrés	Integrated Circuits
4	Conversion et distribution de l'électricité	Electricity Conversion and Distribution
4	Électronique de puissance et électronique industrielle	Industrial and Power Electronics
4	Mécatronique	Mechatronics
4	Micro et nanoélectronique	Micro and Nanoelectronics
4	Réseaux électriques	Electrical Networks
4	Systèmes de contrôle	Control System
4	Systèmes électrochimiques	Electrochemical Systems
3	**Systèmes mécaniques**	**Mechanical Systems**
4	Analyse des contraintes	Stress Analysis
4	Hydraulique	Hydraulic

Classification des objets de recherche

Research Topics Classification

	Techniques, mesures et systèmes	Techniques, Measurements and Systems
2		
4	Mécanique des fluides	Fluid Mechanics
4	Mécanique des solides	Solid Mechanics
4	Mécanique des milieux continus	Continuum Mechanics
4	Plasticité et fluage	Plasticity and Creep
4	Propulsion	Propulsion
4	Systèmes polyphasiques	Multiphase Systems
4	Turbulences	Turbulence
4	Vibrations	Vibrations

Classification des objets de recherche

Research Topics Classification

2	**Technologie de l'information et des communications**	**Communication and Information Technologies**
3	**Communication**	**Communication**
4	Communications personnelles	Personal Communications
4	Matériel de communication	Communication Material
4	Réseaux de télécommunications	Telecommunication networks
4	Systèmes de télécommunications	Telecommunication Systems
4	Systèmes d'impression	Printing Systems
4	Téléinformatique	Teleinformatics
4	Transmission et traitement des signaux numériques	Transmission and Processing of Numerical Signals
3	**Information**	**Information**
4	Algorithmes	Algorithms
4	Analyse des réseaux (information)	Network Analysis (Information)
4	Architecture des ordinateurs	Computer Architecture
4	Bases de données informatiques	Computer Databases
4	Développement de logiciels	Software Development
4	Matériel informatique	Computer Hardware
4	Systèmes informatiques	Computer Systems
4	Traitements reparti et simultané	Distributed and Simultaneous Processing
3	**Intelligence artificielle**	**Artificial Intelligence**
4	Réalité virtuelle	Virtual Reality
4	Reconnaissance de la parole	Recognition of Speech
4	Reconnaissance des formes et infographie	Shape Recognition and Computer Graphics
4	Systèmes experts	Expert Systems
4	Systèmes neuronaux	Neuronal Systems

Arts et lettres +Sciences sociales et humaines

Classification des objets de recherche   Research Topics Classification

Identifiez l'objet de niveau 4 qui décrit vos recherches   **Identify the level 4 topic that describes your research**

RETOUR   **BACK**

	Français	English
2	**Arts, littérature et société**	**Arts, Literature and Society**
3	**Analyse et théories de l'œuvre artistique ou littéraire**	**Literary or Artistic Works Analysis**
4	Déterminants sociaux des arts et des lettres	Social Determinants of Arts and Letters
4	Analyse d'œuvres littéraires ou artistiques	Literary or Artistic Work Analysis
4	Arts, littérature et subjectivité	Arts, Literature and Subjectivity
4	Études transculturelles	Transcultural Studies
4	Études des arts populaires et de masse	Popular Art Studies
4	Marginalité artistique ou littéraire	Artistic and Literary Marginality
4	Modèles d'analyse artistique ou littéraire	Artistic and Literary Analysis Models
4	Mouvement, écoles, styles et corpus artistiques ou littéraires	Artistic and Literary Movements, Schools and Styles
4	Théories artistiques ou littéraires	Artistic and Literary Theories
3	**Médiation et diffusion**	**Mediation and Diffusion**
4	Contextes de la transmission et de la réception des œuvres littéraires ou artistiques	Literary or Artistic Work Dissemination or Reception Contexts
4	Éducation artistique et intervention dans la société	Social Impact of Artistic Education
4	Identité sociale de l'artiste ou de l'écrivain	Artist or Author Social Identity
4	Instances de légitimation	Legitimization Authority
4	Industries culturelles	Cultural Industries
4	Modes ou stratégies de diffusion	Modes and Strategies of Dissemination
4	Politiques des arts et des lettres	Arts and Literary Policies
4	Publics de l'art	Publics
3	**Patrimoine artistique et culturel**	**Artistic and Cultural Heritage**
4	Développement et gestion des entreprises patrimoniales	Heritage Businesses Management and Development
4	Institutions culturelles (musées, bibliothèques, etc.)	Cultural Institutions (Museums, Libraries, etc.)
4	Modes de conservation, mise en valeur, restauration ou protection du patrimoine artistique et culturel (architectural, littéraire, musical, théâtral, etc.)	Conservation Modes, Valorization, Restoration or Protection of Artistic and Cultural Heritage (Architectural, Literary, Musical, Theatrical, etc.)
4	Politiques en matière de patrimoine	Heritage Policies

Classification des objets de recherche

Research Topics Classification

Level	Français	English
2	**Création artistique et littéraire**	**Writing and Fine Arts**
3	**Production et exploration en arts visuels**	**Production and Exploration in Visual Arts**
4	Arts d'impression	Printing Art
4	Arts électroniques	Arts and Technologies
4	Bande dessinée	Comic Strips
4	Cinéma	Film Making
4	Dessin	Drawing
4	Exploration et transformation de matériaux organiques, de synthèse ou électroniques	Exploration and Transformation of Organic, Electronic or Synthesis Materials
4	Installations	Facilities
4	Peinture	Painting
4	Photographie	Photography
4	Sculpture	Sculpture
4	Vidéo et nouveaux médias	Video and New Media
3	**Production, exploration et traitement sonores**	**Sound Production, Exploration and Processing**
4	Composition musicale	Musical Compositions
4	Formes musicales	Musical Forms
4	Genres musicaux	Musical Styles
4	Interprétation et improvisation	Rendering and Improvisation
4	Traitement d'autres formes sonores	Treatment of Other Audio Forms
3	**Jeu et mise en scène**	**Performance and Theatrical Productions**
4	Adaptations	Rewriting
4	Chorégraphie	Choreography
4	Conception et aménagement de l'espace	Design and Planning of Space
4	Dramaturgie	Dramaturgy
4	Gestualité	Gestuality
4	Interactivité	Interactivity
4	Performance	Performance
3	**Production et exploration littéraires**	**Writing and Literary Experimentation**
4	Conte	Tales
4	Essai	Essays
4	Littérature-jeunesse	Youth Literature
4	Mélange des genres	Blend of Genres
4	Poésie	Poetry
4	Roman et nouvelle	Novel and Short Story
4	Scénarisation	Scripting
4	Théâtre	Theatrical Productions
3	**Exploration multidisciplinaire et interdisciplinaire**	**Multidisciplinary and Interdisciplinary Experimentation**
4	Approches multiples de la création	Multiple Approaches of Creation
4	Formes d'art émergentes	Emerging Forms of Art

Classification des objets de recherche   Research Topics Classification

	Français	English
2	**Cultures, religions et civilisations**	**Culture, Religions and Civilisations**
3	**Préhistoire**	**Prehistory**
4	Analyses des données archéologiques	Archeological Data Analysis
4	Art préhistorique	Prehistoric Art
4	Courants de peuplements	Population Movements
4	Méthodes et techniques de fouilles archéologiques	Archeological Excavation Methods and Techniques
4	Origine et développement de l'agriculture	Agriculture Beginnings and Development
4	Origine et évolution de l'homme	Origins and Evolution of Man
4	Phases de développement (paléolithique; mésolithique, etc.)	Development Stages (Upper Paleolithic, Mesolithic, etc.)
4	Processus de sédentarisation	Settling Processes
4	Systèmes de production et de distribution des ressources	Resource Production and Distribution Systems
3	**Histoire des grandes périodes, grandes civilisations, ou corpus géographiques**	**History of Major Eras, Great Civilisations or Geographical Corpuses**
4	Développement des technologies et impacts sociaux	New Technology and Social Impacts
4	Migrations, peuplements, contacts culturels	Migrations, Populations, Cultural Exchanges
4	Mythologie et représentation du monde	Mythology and World Portrayal
4	Organisation sociale et système politique	Social Organization and Political Systems
4	Sciences et connaissances	Science and Knowledge
4	Systèmes de codification morale	Moral Codification Systems
4	Systèmes religieux	Religious Systems
4	Arts et traditions culturelles	Arts and Cultural Traditions
4	Vie et production économique	Life and Economic Production
3	**Religions**	**Religion**
4	Bases philosophiques	Philosophical Foundations
4	Droit canonique	Canonical Law
4	Dynamique religieuse	Religious Dynamics
4	Exégèse et critique des textes sacrés	Exegesis and Sacred Text Critics
4	Grandes traditions religieuses	Major Religious Traditions
4	Religion, cultures et espaces	Religion, Culture and Space
4	Structures et organisation	Structures and Organization

Classification des objets de recherche

Research Topics Classification

	Français	English
2	**Développement et fonctionnement des personnes et des communautés, et vie sociale**	**Development of Individuals, Communities and Social Life**
3	**Comportements marginaux et déviants**	**Deviant and Marginal Behaviors**
4	Abus sexuel	Sexual Abuse
4	Criminalité	Crime
4	Délinquance	Delinquency
4	Itinérance et sans-abri	Homelessness and Homeless People
4	Pornographie	Pornography
4	Problèmes de comportement	Behavioral Problems
4	Prostitution	Prostitution
4	Suicide	Suicide
4	Toxicomanie	Drug Abuse
4	Violence	Violence
3	**Individu**	**Individual**
4	Construction de l'identité	Identity Building
4	Cycles de vie (enfance, adolescence, adulte, etc.)	Life Cycles (Childhood, Adolescence, Adulthood, etc.)
4	Développement affectif et émotionnel	Affective and Emotional Development
4	Développement cognitif	Cognitive Development
4	Insertion et exclusion	Insertion and Exclusion
4	Rapports homme-femme	Gender Relationship
4	Sexualité	Sexuality
4	Socialisation	Socialization
3	**Famille**	**Family**
4	Adoption	Adoption
4	Économie familiale	Home Economics
4	Famille monoparentale	Single Family
4	Familles recomposées	Reconstituted / Blended Families
4	Planification familiale	Family Planning
4	Rapports parent-enfant	Parent-Child Relationships
4	Relations de couple	Couple Relationship
4	Reproduction et problèmes d'éthique	Reproduction and Ethical Problems
4	Rôles familiaux	Familial Roles
4	Trajectoires familiales	Familial Trajectories
4	Transitions familiales	Familial Transitions
4	Union civile et mariage religieux	Civil and Religious Union
3	**Vie en société**	**Social Life / Societal Life**
4	Cohésion sociale	Social Cohesiveness
4	Conditions d'adaptation et d'insertion	Adaptation and Insertion Conditions
4	Conditions socio-économiques	Socio-Economic Conditions
4	Cultures et dynamiques locales	Local Cultures and Dynamics
4	Rapports ethniques et interculturels	Intercultural and Ethnic Relationships
4	Relations d'entraide	Mutual Aid Relations
4	Réseaux sociaux	Social Networks
4	Tolérance	Tolerance
4	Trajectoires professionnelles	Professional Trajectories

	Classification des objets de recherche	Research Topics Classification
2	**Développement et fonctionnement des personnes et des communautés, et vie sociale**	**Development of Individuals, Communities and Social Life**
4	Valeurs et modes de vie	Values and Lifestyles
3	**Transformations sociales**	**Social Transformations**
4	Contextes idéologiques, politiques, économiques et sociaux des transformations sociales	Ideological, Political, Economical and Social Environments of Social Transformations
4	Dynamique des transformations sociales	Dynamics of Social Transformations
4	Tendances et indicateurs	Trends and Indicators
4	Mouvements sociaux	Social Movements
3	**Services sociaux**	**Social Services**
4	Politiques sociales	Social Policies
4	Services à l'enfance et à la famille	Family and Child Services
4	Services adaptés (logement, transport)	Specialized Services (Housing, Transportation)
4	Services sociaux généraux (population)	General Social Services (Population)
4	Services sociaux spécifiques (clientèles)	Specific Social Services (Clientele)

Classification des objets de recherche   Research Topics Classification

	Identifiez l'objet de niveau 4 qui décrit vos recherches	Identify the level 4 topic that describes your research
2	**Économie, emploi et marchés**	**Economy, Employment and Markets**
3	**Phénomènes économiques au niveau des individus et des entreprises**	**Economic Phenomena on an Individual or Organizational Level**
4	Allocation des ressources	Resource Allocation
4	Comportement des ménages	Household Behavior
4	Dynamique de l'offre et de la demande	Supply and Demand Dynamics
4	Épargne	Savings
4	Équilibre général et bien-être	General Stability and Welfare
4	Marché des facteurs de production	Production Factors Market
4	Rareté	Shortage
4	Répartition des revenus	Revenue Distribution
4	Structures de marché	Market Structures
4	Systèmes et flux économiques	Economic Flux and Systems
4	Théorie de la production et des coûts	Cost and Production Theory
3	**Phénomènes économiques au niveau national ou international**	**Economic Phenomena on a National or International Level**
4	Chômage	Unemployment
4	Composantes de la demande	Demand Elements
4	Comptes nationaux	National Accounts
4	Économie ouverte et mondialisation	Open Economy and Globalization
4	Finances publiques et fiscalité	Public Finances and Taxation
4	Inflation	Inflation
4	Instruments financiers	Financial Tools
4	Marché monétaire et taux d'intérêt	Monetary Markets and Interest Rates
4	Marchés internationaux de capitaux et produits	International Capital and Products Markets
4	Marchés nationaux de capitaux et produits	National Capital and Products Markets
4	Offre: marché du travail, salaires et production	Supply : Labor Market, Salaries and Production
4	Politiques économiques	Economic Policies
4	Politiques monétaire et budgétaire	Monetary and Budgetary Policies
4	Système monétaire international	International Monetary Systems
4	Technologie et emploi	Employment and Technology
3	**Conjoncture, marchés et prospectives**	**State of the Economy, Markets and Prospectives**
4	Assurances	Insurance
4	Compétitivité et concurrence	Competitiveness and Competition
4	Contrats	Contracts
4	Croissance et cycles économiques	Economic Growth and Cycles
4	Évaluation d'actifs financiers	Financial Assets Evaluation
4	Investissements	Investments
4	Marché boursier	Stock Market
4	Marché immobilier	Real Estate Market
4	Mutations économiques	Economical Change-Over
4	Organisation industrielle et analyse sectorielle	Industrial Engineering and Cross Section Analysis
4	Prévisions économiques	Economical Forecast
4	Productivité	Productivity

Classification des objets de recherche   Research Topics Classification

2	**Économie, emploi et marchés**	**Economy, Employment and Markets**
4	Produits dérivés	By-Products
4	R&D et innovation	R&D and Innovation
4	Réglementation	Regulation
3	**Méthode d'analyse économique**	**Economical Analysis Methods**
4	Économétrie	Econometrics
4	Économie et finance expérimentales	Experimental Finance and Economy
4	Modélisation	Model Building
3	**Philosophies et théories**	**Theories and Philosophies**
4	Pensée et théories économiques	Economical Thoughts and Theories
4	Philosophies de production et commercialisation	Production and Marketing Philosophies
4	Politiques de développement	Development Policies
4	Systèmes économiques	Economic Systems

Classification des objets de recherche

Research Topics Classification

#	Français	Anglais
2	**Éducation, savoirs et compétences**	**Education, Knowledge and Skills**
3	**Adaptation scolaire et sociale**	**Special Education and Social Adaptation**
4	Formation interculturelle	Intercultural Training
4	Inadaptation scolaire	Educational Maladjustment
4	Insertion professionnelle	Occupational Integration
4	Orientation scolaire	Educational Counselling
3	**Apprentissage**	**Apprenticeship and Learning**
4	Alphabétisation	Literacy Training
4	Difficultés d'apprentissage	Learning Disabilities
4	Éveil scientifique	Scientific Awareness
4	Formation à distance	Distant Learning
4	Formation des adultes et formation continue	Adult Education and Continuing Education
4	Modélisation des processus d'apprentissage	Modeling of Learning Processes
4	Modes d'apprentissage	Learning Modes
3	**Formation des maîtres**	**Teacher Education**
4	Approches éducatives	Educational Approaches
4	Enseignement	Teaching
4	Épistémologie de l'enseignement	Epistemology of Education
4	Modes pédagogiques	Teaching Styles
4	Technologies éducatives	Educational Technologies
3	**Philosophie, histoire et études comparatives**	**Philosophy, History and Comparative Studies**
4	Approches sur l'apprentissage et le développement	Learning and Development Approaches
4	Nature des systèmes d'éducation	Education Systems
4	Systèmes de pensée (éducation)	Thought Schools (education)
4	Traditions philosophiques en éducation	Philosophical Traditions in Education
4	Trajectoires des systèmes d'éducation	Education System Trajectories
3	**Gestion de l'éducation et de la formation**	**Education and Training Management**
4	Évaluation des performances des élèves et des enseignants	Teacher and Student Performance Evaluation
4	Gestion des programmes (éducation)	Program Management (Education)
4	Gestion des ressources (éducation)	Resources Management (Education)
4	Systèmes d'enseignement et d'apprentissage	Teaching and Learning Systems
3	**Contextes éducatifs**	**Educational Context**
4	Contextes économiques	Economical Contexts
4	Contextes familiaux	Familial Contexts
4	Contextes politiques	Political Contexts
4	Contextes religieux	Religious Contexts
4	Contextes sociaux	Social Contexts

	Classification des objets de recherche	Research Topics Classification
	Identifiez l'objet de niveau 4 qui décrit vos recherches	**Identify the level 4 topic that describes your research**
2	**Enjeux fondamentaux et finalités de la vie humaine**	**Fundamental Issues and Purpose of Human Life**
3	**Construction de la pensée, du langage, des connaissances et des significations**	**Language, Knowledge, Significance and Thought Building**
4	Épistémologie et méthodologie	Epistemology and Methodology
4	Fondements de la pensée religieuse, mystique et morale et de la pensée mythique	Foundations of Religious, Mystical, Mythical and Moral Thoughts
4	Fondements de la pensée scientifique	Fundamentals of Scientific Thought
4	Formes de connaissance	Knowledge Types
4	Sens, pragmatique	Meaning, Pragmatic
4	Théories et règles de la logique	Logic Theories and Rules
3	**Éthique et enjeux fondamentaux du droit et de la justice**	**Ethics and Fundamental Issues of Law and Justice**
4	Contrat social et justice sociale	Social Contract and Social Justice
4	Déontologie (affaires, professionnelles)	Professional Ethics
4	Droits et libertés de la personne, droits collectifs	Human Rights and Liberties, Collective Rights
4	Éthique appliquée	Applied Ethics
4	Éthique individuelle et des collectivités	Individual and Collective Ethics
4	Fondements de l'éthique	Foundations of Ethics
4	Idéologies et politiques sociales	Ideology and Social Policy
4	Individualisme, communautarisme, pluralisme et tolérance	Individualism, Communalism, Pluralism and Tolerance
4	Jugement moral et morale du devoir et de l'obligation	Moral Judgement and Duty or Obligation Morals
4	Liberté et contraintes, interdiction et sanction	Liberty and Constraints, Prohibitions and Sanctions
4	Personne et dignité	Individual and Dignity
4	Systèmes de valeurs et normes	Values and Norms Systems
3	**Évolution de la pensée**	**Evolution of Thought**
4	Écoles de pensée	Schools of Thought
4	Modèles de l'évolution de la connaissance	Knowledge Evolution Models
4	Penseurs	Thinkers
4	Périodes et courants de réflexion	Currents of Thought
4	Philosophies et idéologies	Philosophy and Ideology
3	**Questions ontologiques et métaphysiques**	**Ontological and Metaphysical Matters**
4	Conscience et intentionnalité	Consciousness and Internationality
4	Conscience, subjectivité et identité personnelle	Consciousness, Subjectivity and Personal Identity
4	Déterminisme et subjectivité dans l'action	Determinism and Subjectivity of Action
4	Divinité et univers	Divinity and Universe
4	Hasard et nécessité	Fate and Necessity
4	Perception et représentation	Perception and Representation
4	Raisonnement pratique	Practical Thinking
4	Rapport à l'espace et au temps	Relation to Space and Time
4	Références culturelles	Cultural References

Classification des objets de recherche

Research Topics Classification

	French	English
2	**Gestion des organisations**	**Organizational Management**
3	**Gestion**	**Management**
4	Communication et relations publiques	Communication and Public Relations
4	Entrepreneurship	Entrepreneurship
4	Évaluation, analyse et gestion de projets	Evaluation, Analysis and Project Management
4	Gestion dans divers secteurs	Management in Different Sectors
4	Gestion des changements (structuraux, technologiques et culturels)	Change Management (Structural, Technological and Cultural)
4	Gestion des crises	Crisis Management
4	Leadership	Leadership
4	Organisation politique et administrative	Political and Administrative Organization
3	**Technologies**	**Technologies**
4	Commerce électronique	Electronic Commerce
4	Impact social, politique et économique des innovations	Social, Economical and Political Impacts of Innovations
4	Innovations technologiques	Technological Innovations
4	Logistique	Logistics
4	Nouvelles technologies et emploi	Employment and New Technologies
4	Optimisation des processus et de la productivité	Production and Process Optimization
4	Systèmes d'information	Information Systems
3	**Finance et comptabilité**	**Finance and Accounting**
4	Fiscalité	Taxation
4	Gestion des risques	Risk Management
4	Incidence des lois, des normes, des règlements	Laws, Standards and Regulation Impacts
4	Mécanismes de contrôle et mesure de la performance	Control Mechanisms and Performance Measurement
4	Planification financière	Financial Planning
3	**Marketing**	**Marketing**
4	Distribution et mises en marché	Marketing and Distribution
4	Étude de marché	Market Analysis
4	Promotion, publicité et coûts	Promotion, Advertising and Costs
4	Ventes et commercialisation	Sales and Marketing
3	**Relations de travail**	**Labour Relations**
4	Conditions de travail	Working Conditions
4	Conventions collectives	Collective labor agreement
4	Lois et normes du travail	Labor Standards and Laws
4	Politiques de l'État	Public Policies
4	Relations et conflits de travail	Labor Conflicts and Relations
4	Rémunération	Salary Payment
4	Santé et sécurité au travail	Occupational Health and Safety
4	Syndicalisation	Unionization
3	**Type d'entreprises**	**Categories of Businesses**
4	Coopératives	Cooperatives
4	Entreprises d'État	Public Corporations
4	Grande entreprise privée	Private Sector Corporations
4	Multinationales	Multinational Corporations

Classification des objets de recherche   Research Topics Classification

2	**Gestion des organisations**	**Organizational Management**
4	Petites et moyennes entreprises	Small and Medium Sized Enterprises
4	Regroupement d'entreprises	Consortium

Classification des objets de recherche Research Topics Classification

	Classification des objets de recherche	Research Topics Classification
2	**Langues et langage**	**Languages**
3	**Interaction des langues**	**Language Interactions**
4	Bilinguisme et multilinguisme	Bilingualism and Multilingualism
4	Classification, comparaison et évolution des langues du monde	Classification, Comparison and Evolution of Languages
4	Contacts entre langues et changement linguistique	Language Contact and Linguistic Changes
4	Dialectes	Dialects
4	Lexicographies et dictionnaires	Lexicography and Dictionaries
4	Modes de traduction	Translation Modes
4	Politiques et droits linguistiques	Language Rights and Policies
4	Traitement automatique des langues	Automatic Language Processing
4	Variations linguistiques et sociétés	Linguistic Variation and Society
3	**Langage et processus cognitifs**	**Language and Cognitive Processes**
4	Formalisme	Formalism
4	Imagerie	Imagery
4	Mécanismes d'acquisition, de compréhension et de production du langage	Language Acquisition, Understanding and Production Mechanisms
4	Mémoire	Memory
4	Représentation mentale	Mental Representation
4	Symbolisme	Symbolism
3	**Propriétés fondamentales du langage**	**Fundamental Properties of Language**
4	Grammaire	Grammar
4	Lexicologie	Lexicology
4	Morphologie	Morphology
4	Phonétique	Phonetics
4	Phonologie	Phonology
4	Pragmatique	Pragmatics
4	Rhétorique et argumentation	Rhetoric and Argumentation
4	Sémantique	Semantics
4	Stylistique	Stylistics
4	Syntaxe	Syntax

Classification des objets de recherche   Research Topics Classification

#		
2	**Médias, communications et information**	**Media, Communication and Broadcasting**
3	**Archivage et restauration**	**Archives Storage and Restoration**
4	Collections, acquisitions et catalogage	Collections, Acquisitions and Cataloging
4	Conservation, restauration et gestion des documents (visuels, audio) et des systèmes documentaires	Documents Conservation, Restoration and Management (Visual and Audio) and Reference Systems
4	Politiques des archives	Archival Policies
3	**Contenus et impacts des médias**	**Media Content and Impacts**
4	Changement d'attitudes des individus	Attitude Change of Individuals
4	Cultures populaires produites et diffusées par les médias	Popular Cultures Produced and Broadcasted by Media
4	Développement d'idéologies	Ideology Development
4	Influence des médias sur le comportement	Media Influence on Behavior
4	Opinion publique	Public Opinion
4	Stéréotypes	Stereotypes
4	Stratégies de persuasion	Persuasion Strategies
4	Structures, stratégies et impacts des industries culturelles	Structures, Strategies and Impacts of Cultural Industries
3	**Éthique, droit et responsabilités**	**Ethics, Law and Responsibilities**
4	Concentration des médias	Media Merger
4	Droit à l'information	Right and Access to Information
4	Droit et sécurité du cyberespace	Law and Cyberspace Security
4	Droits d'auteur	Copyright
4	Éthique journalistique	Media Ethics
4	Liberté de presse	Freedom of Press
4	Médias et démocratisation	Media and Democratization
4	Responsabilités civiles et sociales des médias	Civil and Social Responsibilities of Media
3	**Formes de communication et contextes**	**Communication Types and Contexts**
4	Contextes de communication	Communication Contexts
4	Communication interpersonnelle	Interpersonal Communication
4	Communication organisationnelle et interorganisationnelle	Organizational and Interorganizational Communication
4	Communication publique	Public Communication
4	Communications audiovisuelle, écrite, sonore, visuelle	Audiovisual, Visual, Audio and Written Communications
4	Communications verbale, gestuelle	Gestural, Verbal Communications
3	**Médias et sociétés**	**Media and Society**
4	Auditoires et médias de masse	Audiences and Mass Media
4	Contrôle de l'information et censure	Information Control and Censorship
4	Impacts des nouvelles technologies de l'information	Impacts of New Information Technologies
4	Médias et rapports États- Citoyens	Media and State-Citizen Relations
4	Modes d'appropriation des moyens de communication	Means of Appropriation of Communication Mediums

Classification des objets de recherche   Research Topics Classification

	Médias, communications et information	Media, Communication and Broadcasting
2		
4	Politiques de communication: réglementation, déréglementation	Communication Policies : Regulation and Deregulation
4	Types de médias (radio, télévision, presse écrite, etc.)	Media Types (Radio, Television, Written Press, etc.)

Classification des objets de recherche

Research Topics Classification

	Classification des objets de recherche	Research Topics Classification
2	**Milieux de vie, aménagement et appropriation de l'espace humain**	**Living Environment, Planning and Appropriation of Human Spaces**
3	**Aménagement**	**Space Management**
4	Conception architecturale	Architectural Conception
4	Design de l'environnement	Environmental Design
4	Gestion et évolution des paysages	Landscape Evolution and Management
4	Organisation du paysage et de l'environnement	Landscape and Environmental Organization
4	Pratiques d'aménagement	Environmental Planning Practices
4	Protection et gestion de l'environnement naturel et bâti	Environment Management and Protection
3	**Environnement et société**	**Environment and Society**
4	Courants écologiques	Ecological Trends
4	Déterminants sociaux et culturels de la protection des environnements	Social and Cultural Factors of Environmental Protection
4	Développement durable	Sustainable Development
3	**Gestion et appropriation de l'espace**	**Space Appropriation and Management**
4	Aménagement des infrastructures	Infrastructure Planning
4	Dynamique des environnements naturels et bâtis	Environment Dynamics
4	Écologie humaine	Human Ecology
4	Espaces urbains et urbanité	Urban Spaces and Urbanity
4	Flux migratoires	Migratory Flows
4	Gestion des agglomérations	Areas Management
4	Gestion des ressources	Resources Management
4	Interface nature et population	Nature-Population Relation
4	Organisation du territoire	Territory Planning
4	Politiques d'aménagement	Urban and Rural Planning Policies
3	**Personnes et espace**	**Individuals and Space**
4	Identités régionales	Regional Identities
4	Mobilité	Mobility
4	Personnes, villes et territoires	People, Cities and Lands
4	Populations frontalières	Bordering Populations

	Classification des objets de recherche	Research Topics Classification
	Identifiez l'objet de niveau 4 qui décrit vos recherches	**Identify the level 4 topic that describes your research**
2	**Nature, transformation et gouvernance de la société et des institutions**	**Nature, Transformation and Governance of Society and Institutions**
3	**Organisation politique et administrative**	**Political and Administrative Structures**
4	Administration de la justice	Justice Administration
4	Administration locale, régionale et nationale	Local, Regional and National Administration
4	Centralisation et décentralisation	Centralization and Decentralization
4	Constitutions des États	State Constitutions
4	Institutions gouvernementales	Governmental Bodies
4	Institutions militaires	Military Institutions
4	Organisation et pouvoir	Power and Organization
4	Prise de décision	Decision Making
4	Régimes politiques (démocratie, monarchie, fédéralisme, parlementarisme, etc.)	Political Regimes (Democracy, Monarchy, Federalism, Parliamentarism, etc.)
4	Fonctionnement des parlements	Parliamentary Organization
4	Système électoral	Electoral System
3	**Rôle de l'État et des institutions**	**Role of Governments and Institutions**
4	Affaires étrangères	Foreign Affairs
4	Affaires intérieures	State Affairs
4	Forces armées	Armed Forces
4	Politiques et services publics	Policies and Public Services
4	Sécurité publique et protection civile	Public Security and Civil Protection
3	**Droit**	**Law**
4	Droit administratif	Administrative Law
4	Droit civil	Civil Law
4	Droit constitutionnel	Constitutional Law
4	Droit international	International Law
4	Droit pénal	Penal Law
4	Droit procéduriel	Procedural Law
4	Droits et libertés	Rights and Liberty
4	Propriété industrielle	Industrial Property
4	Propriété intellectuelle	Intellectual Property
4	Jurisprudence	Jurisprudence
3	**Culture politique, société et idéologies**	**Political Culture, Society and Ideology**
4	Groupes d'intérêt et lobbying	Interest Groups and Lobbying
4	Idées politiques	Political Ideologies
4	Mouvements sociaux	Social Movements
4	Partis politiques	Political Parties
4	Socialisation politique	Political Socialization

Classification des objets de recherche

Research Topics Classification

	Classification des objets de recherche	Research Topics Classification
2	**Relations internationales et développement**	**International Relations and Development**
3	**Développement international**	**International Development**
4	Aide internationale	Foreign Aid
4	Coopération internationale	International Cooperation
4	Droit et arbitrage international	International Arbitration and Law
4	Globalisation et mondialisation	Globalization
4	Tribunal pénal international	International Criminal Court
3	**Rapports entre les peuples**	**Nation Relations**
4	Accords et traités internationaux	International Agreements and Treaties
4	Alliances politiques et militaires	Political and Military Alliances
4	Conflits armés	Armed Conflicts
4	Échanges culturels	Cultural Exchanges
4	Frontières nationales	National Borders
4	Grands projets internationaux	Large International Projects
4	Intégration économique et politique	Political and Economical Integration
4	Organisation internationale	International Organization
4	Identité et transnationalité	Identity and Transnationality
3	**Relations régionales**	**Regional Relations**
4	Relations interrégionales	Inter-Regional Relations
4	Relations intrarégionales	Intra-Regional Relations