



Call for Expression of Interest

CHILD BRAIN INSTITUTE

Closing date of the call for expressions of interest:

30 June 2022 at 11:00 (CEST)

Address for consultation of the call:

fhu-i2-d2.org/child-brain-institute/

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SUMMARY - Child Brain Institute

Over the past four years, many national initiatives have been launched to address the major challenges faced by children and their families: (i) the 1000 Days Project built for the first time a global policy to support parents from pregnancy to the child's 3rd birthday; (ii) the National Autism Strategy within Neurodevelopmental Disorders profoundly transformed public policies in favor of individuals with an atypical neurodevelopment; (iii) the French National Education system set up a scientific council to provide scientific expertise on learning and teaching. At the Child Brain Institute, we will contribute to the scientific approach of these initiatives for improving the quality of life of children and their families (from conception to adulthood).

Our objectives: The Child Brain Institute aims to federate scientists around a global project, going beyond the health framework to address all the vulnerabilities of the child's cognitive development. Our aim is to better understand the developing brain in order to provide children with the tools they need for learning, education and health. The Child Brain Institute aims to contribute to the construction of public policy, in terms of parenting, educational strategies, detection of early signs for knowledge- and evidenced-based prevention and care.

Why? Childhood should no longer be divided by age, by developmental status (typical vs. atypical), by place (in the family vs. at school), or by professionals and types of intervention (education vs. rehabilitation). The Institute intends to break away from the current silo approach to bring out a transversal, coherent vision - scientifically consistent - of the child's sensorimotor, cognitive, and affective development, learning, school education and health. This integrated approach will respond to the multiple challenges faced by the most vulnerable. We will especially care for those children from the most disadvantaged socioeconomic backgrounds who will benefit first from public policies investment in scientific excellence.

How? The Child Brain Institute aims to bring together excellence within an institute based on internationally recognized teams. It will be built on the basis of a unique partnership between APHP, Université Paris Cité, Inserm, CNRS, CEA, Institut Pasteur, and the Ministry of Education. The Child Brain Institute aims to intensify exchanges between teams currently scattered throughout the country, based on a strong core located in a single and new building, to attract new skills, to promote innovation, to catalyze research on the developing brain in France and thus to transform the way parents, childcare professionals and political actors look at this period of life that is so important in the future.

Transform: The Child Brain Institute intends to participate in the national challenge of reducing medical and educational inequalities due to the consequences of child poverty. In the Northeast of Ile de France, more than 25% of children live below the poverty line (HCFEA, 2018). Poverty at birth has a major impact on a child's health, learning, and will reverberate throughout their life course. The Child Brain Institute is committed to place vulnerable or disadvantaged populations – who are generally far from the circuits of expertise - at the heart of a system of excellence.

To reach this objective, a Call for Expression of Interest (CEI) is launched to the scientific community: biological sciences, health sciences, humanities, and social sciences. At the end of this CEI, we expect to have a better representation of the teams interested in joining the building of the Child Brain Institute as well as their projects.

Once the CEI is concluded, a call for proposals will be issued inviting teams to submit a full proposal. The best teams with excellent projects related to the themes of the Child Brain Institute will be selected by an international jury.

KEYWORDS

Child, Developing Brain, Parenting, Autism, Neurodevelopmental Disorder, Neuroscience, Neurology Learning, Neuroeducation, Educational Science, Public Health, Epidemiology, Social inequalities, Life course perspective

CLOSING DATE OF THE CEI

The elements of the submission file (see § 5 "Methods of submission") must be sent in electronic form before

30 June 2022 at 11:00 (CEST)

To the following address: ana.vergnon@aphp.fr

STEERING COMMITTEE OF THE CEI

Coordinators of the CEI: Ghislaine Dehaene-Lambertz, Richard Delorme, Pierre Gressens

Members of the steering committee/main scientific axes:

- **Developing Brain axis:** Jessica Dubois, Fiona Francis, Stephane Auvin
- **Psychologist and Education/Education Science axis:** Stanislas Dehaene, Franck Ramus, Arnaud Cachia
- **Autism and Neurodevelopment axis:** Thomas Bourgeron, Alexandra Benchoua, Hugo Peyre, Valérie Biran, Stéphane Maret
- **Epidemiology - Public Health axis:** Corinne Alberti, Maria Melchior, Yann Algan, Pierre-Yves Ancel

FOR ALL QUESTIONS RELATED TO THE CEI

Ana VERGNON : ana.vergnon@aphp.fr

1. The Robert Debré hospital has been committed for over 20 years to better treating and understanding the developing brain.

The Robert-Debré University Hospital has been committed for more than 25 years to understand and treat the developing brain. Since the opening of the hospital in 1989, many departments have developed expertise in the issue of the developing brain, in its prenatal, perinatal and postnatal periods, involving in particular neonatology, child psychiatry, child neurology and clinical genetics. Gradually, an internal cohesion within the hospital has emerged, resulting in the fact that nearly 50% of all children who consult (i.e. more than 70,000 consultations per year) or who are hospitalized (representing approximately 70,000 days of hospitalization per year) at the Robert-Debré Hospital, have a pathology of brain development: autism, intellectual deficits, specific learning disorders, but also central nervous system lesions and epilepsy, or belong to a population at risk of neurodevelopmental disorders (prematurity in particular). In addition, during the same time, Robert Debré University Hospital, beyond its deep roots in the care of pediatric populations, has been oriented towards preclinical, translational and innovative medicine, eager to offer the best of new therapeutic advances to the greatest number of people.

The international recognition of our university hospital is based on clinical and scientific excellence, multidisciplinary coherence and relevance, which is emphasized by the various health and research players in France and abroad. In 2019, the hospital hosted the creation of the “I2-D2” University Hospital Federation and the Autism and Neurodevelopmental Disorders Center of Excellence “InovAND”, bringing together more than 30 clinical and scientific teams in a network designed to promote excellence in research. This network brings together international leaders in the field of child brain development, mainly combining Neuroscience of the developing brain (Pr Gressens, Neuro-Diderot, Inserm, Université Paris Cité), Imaging of brain development (Pr Dehaene-Lambertz, Neurospin; Pr Tanter, Physics for medicine, ESPCI; Pr Kouider, ENS; Dr Hertz-Pannier, Neurospin), Imaging of neuro-education (Pr Dehaene, Neurospin), Cognitive sciences (Pr Ramus, ENS), Genetics of autism and neurodevelopmental disorders (Pr Bourgeron, Institut Pasteur, Université Paris Cité), Epigenetic regulation (Pr Mezger, Interface Développement & Environnement, Université Paris Cité), Drug Screening and stem cells (Pr Peschanski & Dr Benchoua, Istem), Epidemiology of vulnerability (Pr Alberti, Inserm, Université Paris Cité).

Our aim is therefore -beyond the network- to promote excellence and synergy among researchers and clinicians, within a single location -the Child Brain Institute- to accelerate the pace of scientific discoveries and, ultimately, to improve the cognitive and emotional development of children. The overarching ambition is to make the Child Brain Institute the leading center in Europe.

2. Context of the call for expressions of interest

To perpetuate the effort towards childhood and to reinforce a transversal approach to this period of life, we propose to create the Child Brain Institute (from conception to adulthood). This institute wants to federate scientists around a global project, going beyond the health framework to address all the vulnerabilities of the child's brain. Children from the most disadvantaged backgrounds are obvious beneficiaries from the investment in excellence. The objective of the Institute is to contribute to the construction of public policies, in terms of recognition of the specific needs of this period of life, but also parenthood, and educational strategies.

Child development is based on the interaction between highly complex brain processes - which we are beginning to better understand - and a social and educational environment that provides the child with the emotional security, and sensory and cognitive stimulation required for his or her development. This early period of life is a phase of strong vulnerability, but also of sensitivity to an optimal environment, allowing the realization of the child's potential. The child follows diverse developmental trajectories due to the interplay of genetic, epigenetic and environmental factors influencing individual vulnerabilities. This development can also be hindered by early constitutional or environmental damage. To provide children with the necessary tools for their learning, education and health, we will develop a cross-disciplinary and coherent approach - avoiding the usual compartmentalized approach between health and education, normal and pathological, brain and mind, emotions and cognition. This integrated approach will respond to the multiple challenges faced by today's children, and particularly the most vulnerable among them, in a rapidly changing environment.

The Child Brain Institute aims to bring together scientific excellence in an institute based on internationally recognized teams. Our organization is similar to the Center of the Developing Child (Harvard University, USA) and is built on the foundations of a unique partnership between APHP, Université Paris Cité, Inserm, CNRS, Neurospin, the Ministry of Education and Institut Pasteur. The Child Brain Institute aims to intensify exchanges between teams currently scattered across the country, to bring some of them together in a single building, to attract new skills, to promote innovation, to catalyze research on the developing brain in France and thus to transform the way parents, child professionals and political actors look at this period of life, which is so important for the future.

In order to respond to this challenge, the President of the French Republic, Emmanuel Macron, announced during his closing speech of the Assises de la Santé Mentale on September 27 and 28, 2021 the creation of the Child Brain Institute and its financing up to the extent of 40 million euros. Therefore, to create innovation within this institute, we are launching a **Call for Expressions of Interest (CEI)** addressed to the scientific community. At the end of this CEI, we will be able to have a better representation of the teams interested in joining the Child Brain Institute and of their projects. Once the CEI is concluded, a call for proposals will be issued inviting teams to submit a full proposal. The best teams with excellent projects related to the themes of the Child Brain Institute will be selected by an international jury.

3. Global and specific objectives of the CEI

a) Global objective

Our goal is to have a better representation of the teams interested in joining the Child Brain Institute and of their projects/dreams on how they would like to address child development within the framework explained above. At this stage, the expected proposals should allow us to better understand the projects that these teams would like to develop within the Child Brain Institute and to explore the dynamics between scientific fields we can create in this institute as the architecture of the building we should consider.

A new 4 floors building will be built within Robert Debré Hospital in direct connection with the current premises. It will house care units and new research teams to facilitate innovation and excellence. It aims to federate scientific forces around a project that apprehends the different facets of the child's affective and cognitive development as well as the phenomena that can affect them, in order to address the multiple challenges faced by the most vulnerable. We expect that the most disadvantaged children will benefit first from this investment.

The Child Brain Institute aims to bring together internationally recognized teams in a single building as part of a unique partnership between the Hospital, NeuroSpin, INSERM, CNRS, Institut Pasteur and Université Paris Cité.

The Child Brain Institute is a tremendous opportunity to attract new skills, foster innovation, and catalyze research on the developing brain in France.

Young researchers who wish to establish new teams will be particularly welcome at the Child Brain Institute. A specific call for young researchers will be launched at the end of 2024 to allow them to join the Institute in 2025. In the meantime, potentially interested young researchers are invited to contact us from now on to initiate discussions and foster future interactions.

b) Specific objectives

This CEI is open to all scientific communities able to address at least one of the following objectives:

UNDERSTANDING THE DEVELOPING BRAIN

Humans enjoy a particularly long childhood period, and the intense plasticity of the brain during this period allows the child to multiply learning in a way that is specific to its environment. But this plasticity varies over time and according to the cognitive domains, and optimal windows of development, which we do not yet fully understand, are favorable to certain acquisitions (e.g., language in the first years). Prolonged plasticity also comes at a price: a greater vulnerability to toxic and infectious aggressions, etc., but also to stress (poverty, prematurity, malnutrition, violence, etc.). Understanding the biology of the developing brain and its vulnerabilities improves our understanding of each individual trajectory, and how to foster the emergence of cognitive and affective skills even in a context of vulnerability to prevent the risk of disability.

UNDERSTANDING AND MODELING THE BRAIN MECHANISMS OF LEARNING

Cognitive sciences and brain imaging can shed light on how the brain learns, particularly in the areas of language, reading, mathematics, but also logical reasoning and problem solving. All children are eager to learn, and schools should aim to foster the learning skills of each of them. It is therefore necessary to propose cognitive models of learning, to evaluate pedagogic strategies on a scientific basis, to develop innovative practices and to test them, as proposed by the Conseil Scientifique de l'Éducation Nationale (CSEN). The Child Brain Institute also intends to host research on mathematical/computational models of learning, insofar as they shed light on our vision of child learning.

UNDERSTANDING THE DIVERSITY OF DEVELOPMENTAL TRAJECTORIES AND THE CONSEQUENCES OF BRAIN DAMAGE ON DEVELOPMENTAL PROCESSES

In France, one child in six has an atypical neurodevelopmental trajectory that can affect his/her family, school, and social integration. In Robert-Debré Hospital (one of the largest pediatric hospitals in Europe), one child out of two -who consults or is hospitalized- has a neurodevelopmental disorder or a neurological disease that causes disability. The Children's Brain Institute, located within this hospital, aims to foster interactions between clinicians and researchers, in close partnership with the patients and their families. The Institute aims to develop a more citizen-oriented medicine and science, closer to vulnerable populations. Different aspects of neurodevelopmental disorders (genetics, epigenetics, developmental neurobiology, neurology, neurosensory development, pharmacology, biomarkers, advanced imaging, and epidemiology) will be studied to promote the emergence of a patient/family-clinician-researcher continuum.

PROMOTING THE RAPID DEPLOYMENT OF RESEARCH FINDINGS TOWARDS AN INTEGRATED POLICY OF PREVENTION AND SUPPORT FOR VULNERABLE POPULATIONS

It is necessary to promote detection actions in the population, particularly in the school environment, paying particular attention to the most disadvantaged or vulnerable groups. For example, in terms of health, it is also necessary to propose actions to be co-constructed with children and their families to promote empowerment in the management of their difficulties. This will enable them to improve their skills in maintaining and improving the health of their children. The evaluation of all these systems using appropriate research methods will make it possible to assess their societal impact in terms of health, integration and economic impact.

DEVELOPING MATERIAL AND COMPUTER SOLUTIONS TO PROBLEMS OF EDUCATION OR REHABILITATION OF SPECIFIC CHILDREN

Many families live far from care and support centers and cannot access solutions adapted to their child's specific problems at school. A centralized "workshop", mastering the latest computer or material possibilities, would make possible to validate and to diffuse the most useful aids, taking into account scientific literature, fundamental and applied research, feedback from parents and professional users, and thus facilitate the life of many children by relying on collective knowledge, in the context of a Fablab.

4. Assessment criteria of the project submitted to the CEI

a) Global Assessment Criteria

This CEI aims to obtain a better representation of the teams interested in joining the Child Brain Institute as well as their projects. This phase is particularly important to determine a more precise area of interaction between the different teams that will integrate the Institute and to create a dynamic of excellence and innovation around the research objectives described above (§ 2).

The evaluation will focus on the ability of the teams to carry out research projects within the Institute, in line with the research objectives described above (§ 2). The relevance and coherence of the team's scientific project as well as the scientific quality of the work already carried out (international scientific recognition) will be decisive elements in responding to the CEI.

Teams proposing a project for this call for proposals should describe their staff (number of researchers, support staff - research engineers, technicians, and administrative staff-, and students), the surface areas they consider necessary to develop their research work, and the tools/equipment they will need to develop their work - either that they will bring with them when they join the Institute or that they would like to acquire or that they would like to find on a common lab platform.

The candidate teams must have a central core of resources, equipment and skills in line with the ambition of the project they want to develop within the Child Brain Institute.

The foundation of the Child Brain Institute will promote the emergence of excellence by allowing the sharing of resources such as brain imaging tools for the exploration of babies or children (in partnership with NeuroSpin): MRI-3Telsa, MEG, EEG-HR, functional ultrasound, eye-trackers, NIRS. This will also involve facilities and platforms for preclinical research, including human brain organoids and animal models (mouse, fish, drosophila).

In the same way, the Child Brain Institute aims to develop an incentive policy for researchers by creating chairs of excellence for junior or senior researchers, or the creation of new emerging teams (equivalent to "ATIP-Avenir" groups or 5-year teams) (as mentioned above there will be a specific call in 2024 for the latter category). At this stage of the creation of the Child Brain Institute, we cannot provide details on the modalities of reception and support of projects and teams within the Institute.

At the end of this CEI phase, the steering committee will launch an international call for projects. The candidate will then be invited to submit a complete project. These teams and their projects will be evaluated by a jury composed of internationally recognized experts in the concerned scientific fields, and independent of the CEI steering committee. Teams with excellent projects related to the themes of the Child Brain Institute will be selected after an oral presentation.

The jury will submit a report to **the steering committee of the call** for projects including: i) a set of grades from A to E (or equivalent) for each project, according to the mentioned criteria (§ 3); ii) a motivated list of projects that the jury recommends for integration into the Child Brain Institute because of the quality of the proposals on all the evaluation criteria; iii) a motivated list of projects not selected for integration into the Child Brain Institute.

b) Specific Assessment Criteria

The assessment criteria are given as an indication to guide the applicants when writing their letter of intent. Applicants should adapt to the criteria in their specific scientific domain.

QUALITY AND SCIENTIFIC AMBITION OF THE RESEARCH PROJECTS TO BE DEVELOPED WITHIN THE INSTITUTE

- Relevance of the proposal to the objectives of the Child Brain Institute.
- Relevance of the project, innovative character, originality, positioning of the applicant in relation to the state of the art.

SCIENTIFIC QUALITY OF THE WORK ALREADY DONE BY THE APPLICANT (or by the team if a team candidates)

- CV
- International scientific recognition of the different researchers of the team (team leader and other PIs).
- Funding obtained for the scientific work already undertaken.

CAPACITY TO FEDERATE A SCIENTIFIC NETWORK AROUND THE TEAM

- Capacity to federate national and international networks.
- Ability to be part of a collective dynamic and to participate in the scientific dynamic of the Child Brain Institute.

ORGANIZATION OF THE SCIENTIFIC TEAMS

- Number of researchers, ITA (engineers, technicians, administrative staff) and temporary staff currently integrating the team.
- Forecast of the number of post-doctoral and PhD students (the number of postdocs, PhD and Master students hosted by the team over the last 5 years may be indicated for information).

- Operational organization chart of the team.

CURRENT/FUTURE SPACE AND EQUIPMENT REQUIRED FOR THE TEAM'S OPERATION

- Surface area currently required for the team's operations/Surface area required for the projects that the team wants to develop within the Child Brain Institute.
- Equipment (animal house, MRI, etc.) currently required for the team's operations/ Equipment required for the projects that the team wants to develop within the Child Brain Institute.
- Resources (equipment, subsidies) currently available for the operation of the team and planned in accordance with the ambition of the project they want to develop within the Child Brain Institute.

MOBILITY OF THE APPLICANT/TEAM

- Ability of the team to set up/move to the Child Brain Institute.
- Discussion with its referent organization INSERM, Université Paris Cité, CNRS, CEA, Institut Pasteur or Ministry of Education to be based at the Child Brain Institute.

IMPACT AND SPIN-OFFS OF PROJECTS CARRIED OUT BY THE APPLICANT/TEAM

- Scientific impact and impact in the field of improving knowledge with respect to the objectives of the Child Brain Institute.
- Ability to transform the way parents, childcare professionals and political actors look at childhood.
- Capacity of the project to support individual trajectories of each child and to encourage the emergence of cognitive and affective skills even in a context of vulnerability.
- Strategy for the dissemination and valorization of results, including the promotion of scientific culture among the general public, and families.
- Technology transfer and innovation actions towards the citizen.

5. Provisional schedule for the opening of the Child Brain Institute

As specified in § 2, the CEI should allow us to have a better representation of the teams interested in joining the Child Brain Institute. This CEI is part of a timetable that has yet to be specified but which should end in 2025 with the opening of the Child Brain Institute. You will find hereafter the main steps in the construction of the Child Brain Institute. The CEI should allow us to specify the main architectural orientations of the building.

STAGES	DEADLINES
Launch of the CEI - Child Brain Institute	7 Mars 2022
Closing date of the CEI - Child Brain Institute	30 June 2022
Start of construction works - Child Brain Institute	September 2023
Launch of the Call- Child Brain Institute	January 2024
Closing date of the Call - Child Brain Institute	July 2024
Results of the call	December 2024
End of the construction works - Child Brain Institute	December 2025
Move into the building - Child Brain Institute	Winter 2025 - Spring 2026

6. How to submit your project?

a) Content of your project before submission

The submission file must include all the necessary elements for the evaluation of the project submitted by the applicant team. It must be complete by the closing date and time indicated on page 3 of the CEI.

The Project should be written in English and should include a summary description of the proposed project according to the model provided in the appendix, as well as a description of the team. The template of the project document is also available on the web page of the present call (see address page 3).

b) Submission Procedure

The submission file must be sent by the project team leader. The document must be sent to the email address mentioned on page 3.

IN AN ELECTRONIC FORMAT ONLY:

- Before the closing date indicated on page 3 of this call for expressions of interest;
- To the e-mail address mentioned on page 3

Only the electronic version of the submission documents validated on the submission site at the close of the CEI will be considered for the evaluation.

AN ACKNOWLEDGEMENT OF RECEIPT, in electronic form, will be sent to the scientific and technical leader of the project when the documents are submitted.

c) Pre-submission tips

It is strongly advised:

- Do not wait for the deadline to send us your project (attention: the respect of the submission deadline is imperative);
- To check that the document sent is complete and corresponds to the expected elements. The submission file must be sent by the scientific leader of the team
- To regularly visit the website dedicated to the program, at the address indicated on page 3, which contains updated information on the program;
- To contact, if necessary, the correspondents by email, at the addresses mentioned on page 3 of this document.

APPENDIX 1

CALL FOR PROPOSALS

Call for Expressions of Interest to join the Child Brain Institute

Application file

PROJECT COORDINATOR	Last and first name	
ORGANIZATION OF THE COORDINATING PARTNER	Laboratory	Research organization reference
MAIN RESEARCH TOPIC OF THE LAB		
MAIN GOAL IN WHICH THE LABORATORY WILL BE INVOLVED IN THE CHILD BRAIN INSTITUTE	<ul style="list-style-type: none">○ Brain development○ Learning and Education○ Atypical developmental trajectory of the child's brain○ Prevention and support for vulnerable populations○ Applied research, technology, robotic	
MAIN RESEARCH AREAS OF THE LABORATORY	<ul style="list-style-type: none">○ Cellular & Animals Models○ Genetics and Epigenetics○ Brain imaging○ Cognitive Neurosciences○ Computational Neurosciences○ Pharmacology○ Epidemiology- Economy○ Psychology and Education - Education Science○ Social Sciences○ Engineering et technology for Health/Education	
KEYWORDS (5 MAX)		

a) Summary of the research projects that will be developed within the Child Brain Institute (1 page max, including link on website if available)

With special focus on the quality and scientific ambition:

- Relevance of the proposal to the objectives of the Child Brain Institute.
- Relevance of the project, innovative character, originality, positioning of the team in relation to the state of the art and to competing international teams.
- Clarity of the objectives and hypotheses of the research projects carried out by the team;
- Innovative methods used by the team to carry out its projects.

b) Summary of previous research led by the team (1 page max including link on website if available)

With special focus on the scientific quality and including:

- Short summary of current research/expertise of the team.
- National, European or international scientific recognition.
- Main grants obtained for scientific work already undertaken (focus on the last 10 years).
- List of 10 major productions of the teams over the last 5 years, including: Publications, Patents, Constitution of cohorts, databases, etc.

c) Organization of the scientific team (1 page max including link on website if available)

- Number, position and research topics of researchers belonging to the team.
- Number of engineers, technicians, administrative staff.
- Operational organization chart of the team; (and specifying the current position of the team within a research unit).
- Number of post-doc, PhD and M2 students hosted by the team over the last 5 years.

d) Scientific network of the team (½ page max including link on website if available)

With special focus on:

- Capacity to federate national and international networks.
- Ability to be part of a collective dynamic and to participate in the scientific dynamic of the Institute of the Child's Brain.

e) Current/future space and equipment required for the team's operations (1 page max including link on website if available)

- Area currently required for the team's operations/Area required for the projects that the team wants to develop within the Child Brain Institute.

- Equipment (animal house, MRI, etc.) currently required for the team's operations/ Equipment required for the projects that the team wants to develop within the Child Brain Institute.
- The team already has a central core of resources and equipment in line with the ambition of the project they want to develop within the Child Brain Institute.

f) Mobility of the team (½ page max including link on website if available)

- Ability of the team to set up/move to the Child Brain Institute.
- Potential discussion with its referent organization INSERM, Université Paris Cité, CNRS, CEA, Institut Pasteur, or French Education Nationale, or to move to the Child Brain Institute.

g) Potential impact and spin-offs of projects carried out by the team (½ page max including link on website if available)

- Potential scientific impact and impact in the field of improving knowledge with respect to the 4 objectives of the Child Brain Institute.
- Ability to transform the way parents, childcare professionals and political actors look at this period of childhood.
- Capacity of the project to accompany the individual trajectories of each child and to encourage the emergence of cognitive and affective skills even in a context of vulnerability.
- Strategy for the dissemination and valorization of results, including the promotion of scientific culture.
- Potential technology transfer and innovation actions towards the citizen.

h) Short CV (2 pages max) of the team leader and the other PIs (statutory researchers) of the team

i) 9- Signatures

Coordinator of the laboratory:

Last and first name:

Date: Signature:

Institution in charge of the laboratory:

Last and first name:

Date: Signature: