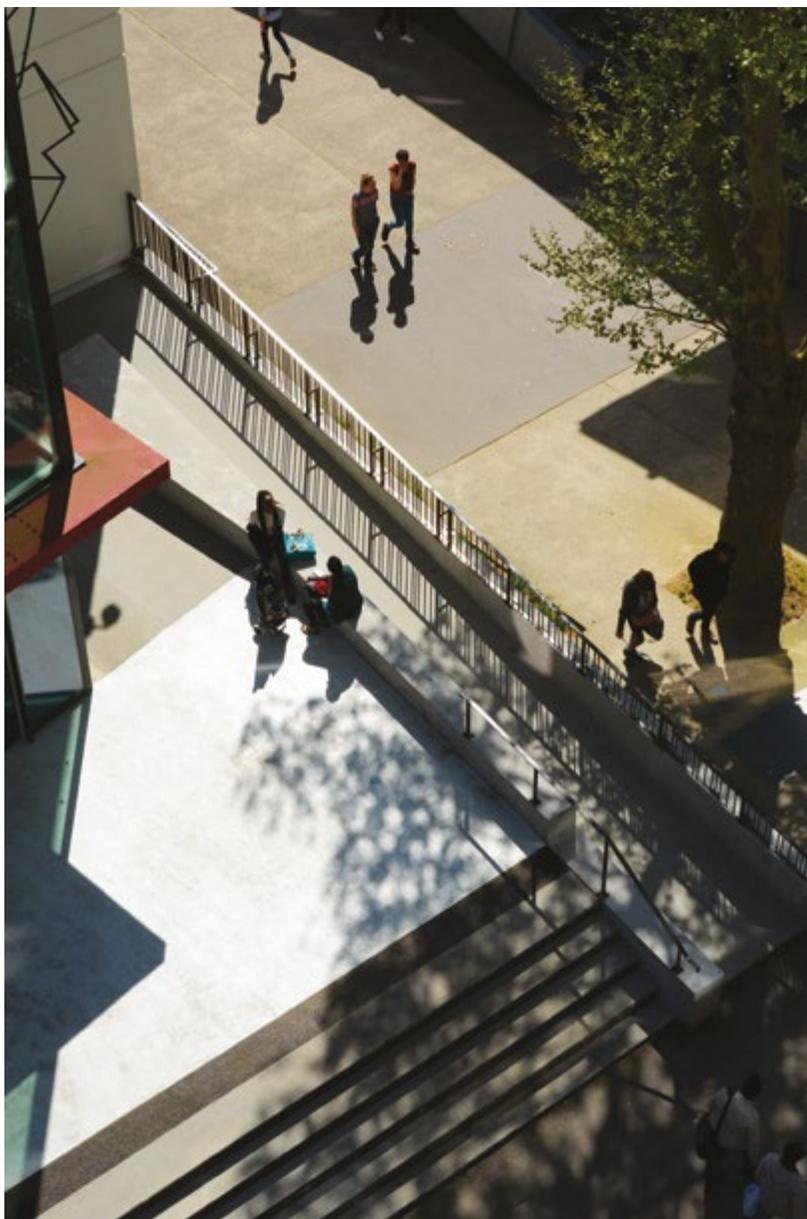




RESEARCH AT RENNES 2



Bird's eye view of the entrance terrace of Building D (April 2017). Photograph by Sébastien Boyer.

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THE RESEARCH ECOSYSTEM AT RENNES 2

Within the context of the considerable upheavals in the institutional research environment (funding by calls for projects, digital transition, national plan for open science, protection of personal data, etc.), our institution benefits from a strong ecosystem to support its research units and researchers. A research department within the Joint Documentation Department (**SCD**) assists in all matters relating to depositing in open archives, scientific signature and classification, documentary research tools, etc. The Regional Unit for Training in Scientific and Technical Information (**URFIST**) notably provides expertise and training in advanced technologies, and the Human Sciences Institute in Brittany (**MSHB**) offers researchers access to the resources of the Very Large Research Infrastructures (TGIRs) **Huma-Num** and **Progedo**. Research also benefits from the skills and infrastructures of the Rennes 2 Information Systems Department (**DSI**). The central Research and Development Department (**DRV**) is supported by local services such as the research groups established in each of the five training and research units (UFR), and, for the development of projects, by the European Projects Platform (**2PE**) financed by Région Bretagne.

A high level of synergy between the research units and research support services makes it possible to promote the work produced with integrity and ethics, to encourage free access to scientific knowledge, and to adopt a proactive policy on research data (management, protection, sharing). In 2017, Rennes 2 signed the [National Charter of Ethics for Research Professions](#) and appointed a Scientific Integrity Officer in 2018. The [framework agreement between Rennes 2 University and the National Audiovisual Institute](#) (INA), comprising three research topics (resources, training and promotion), has led to the installation of several consultation terminals providing access to the inexhaustible wealth of the INA archives in the Central Library on the Villejean campus.

The Research Commission (CR) has set up a support system for research projects called “[specific actions](#)”, the three components of which are notably intended for emerging projects, translations, and promotion. The Research Commission also provides support for the organisation of symposiums. The Academic Council (CAC) has defined the operating rules for the [two international chairs](#) (Chair of Humanities and Social Sciences, Chair of the Americas), which each year enable some 20 foreign researchers to come and work on the campus for one or two months. Rennes 2 University also finances a significant number of PhD contracts as well as sabbaticals for research or thematic conversion (congés pour recherche ou conversion thématique, CRCT).

Finally, Rennes 2 is involved with the research policies of the local authorities, namely Rennes Métropole, the Ille-et-Vilaine departmental council, and Région Bretagne.

RENNES 2 UNIVERSITY: KEY FIGURES

603 RESEARCHERS AND LECTURER-RESEARCHERS

including 11 current or recent members of the French University Institute (IUF)

2 GRADUATE SCHOOLS: CAPS AND DIGISPORT

21 RESEARCH UNITS, INCLUDING:

4 Joint Research Units (UMR) with the CNRS: Arènes, CReAAH, ESO and IRMAR

7 multi-site research units: CREAD, IRMAR, LETG, LP3C, MimeTIC, PREFICS, RPpsy

2 partnership research units

2 PARTNERSHIPS

• Inria MimeTIC project team

• UMR CNRS Arènes

497 PHD students (one third of whom are international students), who mainly attend

3 DOCTORAL SCHOOLS

• Arts, Humanities, Languages (ALL)

• Societies, Time, Territories (STT)

• Education, Language, Interactions, Cognition, Clinical (ELICC)

61 THESES DEFENDED IN 2021

&

11 MEMBERS OF STAFF AWARDED RESEARCH SUPERVISION ACCREDITATION (HDR) in 2021

Nearly 10,200 complete documents and 30,100 notes deposited on the open access HAL PLATFORM

3 START-UPS: TerraClima, Kermap, and Moovency

LEAD INSTITUTION FOR 7 CURRENT ANR PROJECTS

• BEAUVIATECH - Jean-Pierre Beauviala and the Aaton company: audiovisual techniques and their uses, historic, aesthetic and practical modalities

• EGR - Ethnography of guerrilla groups and revolts

• MATS - Statistical learning for environmental time series

• MOBIKIDS - The role of urban educational cultures in the evolution of children's daily mobilities and life contexts

• MODURAL - Sustainable mobilities in Latin American metropolises: a comparative study of Bogotá in Colombia and Lima in Peru

• PANSER - Southern natural heritage: a small-scale global history

• PERI#WORK - Collaborative work spaces as nodes of a new mobility system outside metropolitan France

• SKETCH - Smart tutorial system for sketch-based learning

LEAD INSTITUTION FOR 3 CURRENT EUROPEAN UNION PROJECTS

• COST CONVERGES (2017-2022) - Creation of a European network for disseminating knowledge about riparian vegetation of streams

• RISE MANAGLOBAL (2019-2024) - Globalized governance and local business practices in Africa and the Arabian Peninsula

• MSCA SANDMAN (2021-2023) - study of a local community in the North-Lucanian district of Southern Italy via matt-painted pottery: culture, identity, symbols and gender

TEMPORA

Director: Marie-Madeleine de Cevins

Tempora's field of research can be defined as the history of facts and representations in Western societies from antiquity to the present day. The team is mostly comprised of historians who endeavour to maintain a fresh approach to their work through dialogue with researchers from other human and social sciences fields such as anthropology, sociology, political sciences or archaeology. Aware of the contemporary challenges of history, the team strives to actively participate in topical debates: identity issues, the link between citizenship and secularism, the causes and manifestations of populism and religious extremism, the social effects of the digital revolution and the relationship to natural environments.



Fra Mauro's planisphere (1459).

RESEARCH TOPICS

Effects of scale: from the local to the global. By working at the regional scale (Brittany, in particular) and from a transnational approach (in Europe and other continents), and over long periods of time (from antiquity to the 21st century), members of Tempora pursue three research themes: identity construction, the relationships between communities and territories, and trade networks and exchanges.

Governing and being governed. Rather than considering States and spiritual governments as unchanging monolithic realities, Tempora members analyse their evolutions by narrowing the focus down to their shared, continuous processes of construction and fracture. This construction of powers is approached from the following angles: States and Churches: institutional machinery and agent; Exercise of authority and population control; Dissent, rebellion and repression, wars and societies.

Socio-cultural knowledge and practices. Cultures are developing in the reticulate networks of communities, powers, and trade exchanges, and it is important to understand their complexity. The objective is to cross-relate some of the factors in the historical approach that are generally disjointed but underpin the same identities – always plural and often contradictory. Tempora's researchers focus in particular on: learning; writing practices and book cultures; interactions between gender, the body, appearances and identities.

N. B.

Tempora has access to the documentary resources of the **François-Lebrun Library** (18,000 works, oriented towards research in history from the Middle Ages to the present day). • The online journal **Apparences, corps & sociétés**, hosted by Tempora and supported by the Scientific Interest Group (GIS) of the same name (**Apparences, Bodies & Societies**), is coordinated by a member of Tempora. • Tempora staff are also involved in four ANR projects: **PARCEDES** [Field patterns and land use dynamics over time], **PANSER** [Southern natural heritage: a small-scale global history], **ACTEPI** [French episcopal acts of the Middle Ages: a multi-media edition and analysis] and **OBARDI** [Ontology-based Ancien Régime Data Infrastructures]. There is also a Tempora delegation at the **French University Institute (IUF)**. • Each year, Tempora co-organizes **Rencontres d'histoire** (History Encounters), an event aimed at the general public held at the Les Champs Libres venue in Rennes.

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CENTRE FOR RESEARCH IN ARCHAEOLOGY, ARCHAEOLOGICAL SCIENCES AND HISTORY



UMR 6566 (CNRS) CReAAH

Director: Marie-Yvane Daire

Rennes 2 Component: CReAAH Rennes2 - The Merlat Laboratory in History and Archaeology (LAHM)

Director: Anne Gangloff

Created in 1991, CReAAH is an interdisciplinary research unit at the intersection of social sciences, environmental sciences and physical and chemical sciences. Under the supervision of the French National Centre for Scientific Research (CNRS), the universities of Rennes 1, Rennes 2, Nantes and Le Mans, the French Ministry of Culture, and with the French National Institute for Preventive Archaeological Research (INRAP) as a partner institution, CReAAH is characterized by its structuring and unifying position in a large north-western quarter of France. Its field of activity revolves around the study of changes in human societies over the very long term, from ancient prehistory to the early modern period, and covers a very broad geographical area. For France, this mostly involves the Atlantic Coast. CReAAH holds a prominent position in the national archaeological and archaeological sciences research landscape.

The specificity of the Rennes 2 – LAHM site is that it is based on interdisciplinary work between lecturer-researchers and young researchers specializing in history, archaeology, and art history.

RESEARCH TOPICS

Team #1 Archaeology of the sea and coastline

Team #2 Architecture

Team #3 OTR: Origins, Transfers, Networks

Team #4 Societies, Cultures, Identities

Team # 5 SOCIETER: SOCIeties Environment TEchnologies Resources

Team #6 Archaeology of Western France

LAGO platform (Archaeological Sciences Laboratory of Brittany and Pays de la Loire).

KEYWORDS

prehistory • protohistory • Antiquity • Middle Ages • France • Western Europe • South-East Asia • Africa • North America • Central America • South America • the Mediterranean world • the Near and Middle East • interactions in natural environments and society • anthropization • biodiversity • environment • global climate change • geochemistry • archeometry • heritage • social anthropology



Excavation of the Inconornata site (Southern Italy).

KEY FIGURES

UMR 6566 CReAAH:

4 university sites: Le Mans, Nantes, Rennes 1 and Rennes 2

178 members including 124 permanent members, i. e. 89 researchers and lecturer-researchers including 5 emeritus research directors and emeritus professors, 35 technical and administrative staff, and non-teaching staff (BIATSS: administrative, technical, social, health, library), and 48 non-permanent members (3 temporary teaching and research assistants (ATER), lecturers and research assistants, 6 postdocs, 36 PhD students, and 3 members on fixed-term contracts), and 87 associate members. CReAAH Rennes 2 – LAHM: 15 lecturer-researchers, 1 design engineer, 1 researcher from INRAP (National Institute for Preventive Archaeological Research), 16 PhD students, 3 postdocs

N. B.

The Methodological **research platform** is a place for formulating ideas in the fields of experimentation, setting up repositories and databases, development, application and optimization of analytical methods, and modelling.

In terms of **international cooperation**, major research programmes are being developed in Europe, North and South America, the Near East, Asia and Africa.

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ART HISTORY AND CRITICISM

HCA

Director: Hélène Janniére

Enhanced by multiple methodological and disciplinary approaches, Art History and Criticism (HCA) creates interactions between a wide range of objects of research (visual arts, architecture, photography, music, archaeology, philosophy of art, literature) and their social, political and cultural contexts, from Antiquity to the 21st century. Through a decompartmentalized approach to research, HCA apprehends the notions of “arts” and “criticism” by exploring fields and corpora that more generally form part of the vast field of cultural history. It constructs a transhistorical and interdisciplinary area of debate that takes into account recent theoretical developments such as transnational approaches, *visual studies* and *Bildwissenschaft*, history of art and architecture criticism, art anthropology, gender and postcolonial studies.

RESEARCH TOPICS

Criticism and its objects of research: notions, boundaries, corpus. In an original take on the object of “criticism” that draws from several fields (visual arts, architecture, photography, music, etc.) and intersects several disciplines, the research topic adopts a decompartmentalized and transversal approach that crosses methodologies and compares the histories of *forms* of criticism to build an innovative field of research on criticism and art criticism and, *in fine*, to conduct investigations on the historiography of criticism.

Objects, sites and architecture: concepts and heritagization. The second research topic deals with tangible culture and focuses on the phenomena of recognition, transmission, conservation, restoration and enhancement. It questions the political, cultural and social mechanisms at the origin of re-appropriation actions, (re)valorization and re-creation strategies, the project actors and scales, and finally the impact of these actions on their social and cultural environment.

Political History of the Arts. This research topic fits the history of the arts into a paradigm where categories such as “race”, “gender” or “class” – conceived in a non-essentialist manner as historical, political, social and cultural constructions – allow the link between the arts and politics to be rethought.

Interactions: philosophy of art, music, text, image. An intellectual space for intersections and interdisciplinary thought, the fourth research topic is part of a double horizon, the hybridization, fringing or fusion of the arts, that of the specificity or radicality of each art. It is intended to be a space for both historical and aesthetic theorization of the relations between the arts and between the arts and thought.

N. B.

HCA is associated with the [Archives of Art Criticism \(ACA\) Scientific Interest Group \(GIS\)](#), and different European projects such as [PRISME](#) [acaprisme.hypotheses.org](#), the H2020 project [ECHOES](#) [projectechoes.eu](#), and is a partner in the musicology research programme [Ricerca](#), Corpus of anonymous masses of the 15th century (Centre for Advanced Renaissance Studies - CESR - University of Tours).

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PRACTICES AND THEORIES OF CONTEMPORARY ART

PTAC

Co-directors: Philippe Le Guern and Marie-Noëlle Semet-Havias

PTAC observes and examines the profound changes that contemporary art has undergone since the 1950s and 1960s, in its forms and techniques as well as in the relationships it establishes with reality. The team, made up of lecturer-researchers, PhD students and artists, conducts transversal projects in the plastic arts, art history, aesthetics, and human and social sciences applied to the arts. The laboratory explores these transformations of the arts by focusing on certain media considered to be particularly indicative of the shifting borders of art territories: the artist’s book, artists’ editions, exhibitions, performance, and design.

RESEARCH TOPICS

Art as production. Changes in the nature and status of the work of art and redefined relationships between artistic practices in the course of the 21st century mean that creation must be understood as a process. New forms have been invented, notably through books. But what are the new issues raised by the dissemination of artistic production that must be confronted by the creators and theoreticians of art?

Art and politics. In the era of globalization, is it conceivable to think that art can hold real critical power and testify to political efficacy? There is little doubt that, be they public or discreet, the most diverse artistic gestures (photography, performance, video, installation, etc.) are now occupying the public space to give it back its strength of resistance in the face of authority. But if this is to be a possibility, what conditions need to be in place?

Art and epistemology. Art researchers take a genuine interest in the human and social sciences, along with other disciplines like mathematics, information and communication sciences and technologies, life sciences, sociology, ecology, political sciences, and psychology. But what methodological contributions and appropriations do these other disciplines bring to the table? What is the future of methodologies developed specifically for carrying out art research or artistic practice?

PTAC focuses on the various implications involved in drawing from other disciplines in order to understand art and its current theories.

KEYWORDS

contemporary art • artistic practice • artist’s editions and artists’ books • design • the body and power • public space • territories • art criticism • writings and speeches by artists

ON THE VILLEJEAN CAMPUS

The [Art & Essai gallery](#) is an exhibition and screening space for the contemporary arts scene. Under the direction of the cultural service, the gallery organizes four to five exhibitions a year, with monographic or collective projects by guest curators. The programme is managed by a lecturer-researcher from Rennes 2.

The [Cabinet du Livre d’Artiste \(artist’s book cabinet\)](#), created in 2006, is a multipurpose space for archiving, exhibiting and reading in the arts, with over 4,000 titles freely available for consultation. Dedicated to the phenomenon of the artist’s book, the Cabinet was awarded the CollEx label (outstanding collections for research) in February 2018. The [Écrans variables](#) (Variable Screens) screenings are held four times per year at Le Tambour (a 300-seater auditorium). These screenings take an open look at a broad spectrum of moving images, from avant-garde cinema to documentary, video art, and experimental art.

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KEYWORDS

art history • art criticism • architecture criticism • *visual studies* • aesthetics • cultural studies • gender studies • exhibition • performance • urban and industrial heritage • archaeology • postcolonial theories • reproducible image • music

KEY FIGURES

21 lecturer-researchers

35 PhD students

2 postdocs



View of the exhibition *Felice Varini, quatre cercles à cinq mètres*, in partnership with Frac Bretagne, Art & Essai gallery - Rennes 2 University, 2017-2018.

KEY FIGURES

25 lecturer-researchers

20 associate researchers

31 PhD students

ARTS: PRACTICES AND POETICS

APP

Director: Sophie Lucet

The EA 3208 Arts: Practices and Poetics team currently comprises three teams focusing on film studies, theatre studies, and music studies. Since 2010, a fourth transdisciplinary research group, Kairos, has been studying the field of creation through psychoanalytical and artistic research.

An interdisciplinary and international seminar entitled "Observatory of aesthetic changes", involving the three teams and Kairos, will be devoted to the implementation of an observatory between 2022 and 2026 to study aesthetic changes in cinema, music, and theatre. The aim here is to examine contemporary aesthetic changes in relation to their historical roots, to attempt to understand emerging forms by placing them within a specific context (whether temporal or societal), and to consider creation as both a rupture and an evolution. The project also aims to compare researcher methodologies within an interdisciplinary perspective, when the works, now caught up in movement, cannot easily be grasped and understood using conventional means of analysis.

RESEARCH TOPICS

Music team. The team is developing the Changes in Music and Musicology 20/21 project, which is particularly interested in the ongoing transformations of contemporary musical creation along four research topics: new technologies; writing, form, meaning; listening to music; popular music and globalization. A common epistemological questioning concerning the impact of these changes on the way of considering music and musicological research can be discerned across this diversity of topics.

Theatre team. Within the framework of the project Historicity and Changes in the Creative Act (2022-2027), the research unit is observing and analysing the renewal of the creative act in light of contemporary artistic and societal developments, according to four themes:

- Observation and analysis of creative processes.
- Historical and theoretical approaches to cultural and artistic hybridizations, interartistic and interdisciplinary forms.
- Historical and theoretical approaches to spectator practices.
- Writing the history of the present time in the field of performing arts.

Cinema team. The programme Discourses and Representations of Cinema Imaginaries aims to question the modalities of construction of these imaginaries from historical and aesthetic perspectives. The aim is to observe and question the reasons and ways in which, since the invention of the cinema and across the world, through a variety of forms and with very diverse objectives, readers and spectators have been encouraged to represent cinema as art, an industry, and/or culture. The research will therefore focus on both films and non-films.

Kairos research group. Established in 2010, the transdisciplinary group Kairos is based on a partnership agreement between EA 4050 (Psychopathology and Psychoanalysis Research) and EA 3208 (Arts: Practices and Poetics), as well as with EA 4007 (Clinical section) attached to Paris 8 University. Kairos also works with EA 1796 (ACE) at Rennes 2 University. The group questions the field of creation through psychoanalytical and artistic research.

KEYWORDS

arts • interdisciplinarity • creative process • theatre • contemporary art • music • cinema • research-creation • techniques • careers • historicity and changes in the creative act • television • digital humanities • artistic practices • art and psychoanalysis • ethnomusicology • globalization

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Purgatorio, directed by Joao Brites, Teatr'o Bando, Portugal

KEY FIGURES

21 lecturer-researchers
43 PhD students

CENTRE FOR THE STUDY OF ANCIENT AND MODERN LANGUAGES AND LITERATURES

CELLAM

Director: Christine Ferlampin-Acher

CELLAM brings together researchers in French, Spanish, Italian, English, German, Arabic, Greek and Latin languages and literatures, as well as in comparative literature, with a strong multidisciplinary and trans-secular perspective. It focuses on the transmission processes that make up the history of written culture, poetic interpretation of texts from a history of reading modes perspective, interactions between literary theory and the humanities, and creative and critical relations between literature and the other arts. In other groups, research is developed specifically in text publishing (Digital Readings and Mediations), Medieval Literature (Centre for the Study of Medieval Texts, CETM), Renaissance Poetics (Romanists), 19th and 20th Century French Literature, the relations between written culture and society in the Hispanic world (Study and Research Group on Written Culture and Society, GRECES), historical and comparative poetics (Phi group), Ancient Literature (Mouseion) and Didactics of Language and Literature (SEDILL).

RESEARCH TOPICS

Context(s): literature and the humanities. In search of meaning: practices and effects of literature. Transmission and reception: literature, reading, language and mediation. Confluences: literature and the arts.

KEYWORDS

French literature • comparative literature • German, English, Spanish, Italian, Arabic literatures • ancient literatures • the Arthurian "subject" from the Middle Ages to the present day • medieval, modern and contemporary literatures • francophony • trans-secularity • linguistics • French language study • text edition • digital • gender • literary theory and criticism • poetics • didactics • literature and politics, history economics, philosophy • literature and music, painting, cinema • photo-literature • Dante's reception in France

KEY FIGURES

46 lecturer-researchers
44 PhD students



Rogier van der Weyden, The Magdalene Reading (c. 1435-1438, detail).

N. B.

Adhoc: brings together the CELLAM PhD students (seminars, meetings, symposiums).

Scientific meetings are regularly organized by the various CELLAM groups: "Meet-ups around the classics" (*Mouseion group*) • "Sex in medieval texts: poetic studies and reception, 11th-21st centuries" (CETM), "Virtues and vanity in literature" (Phi group), "Voices and values 18-19-20", "Dissident discourses in modern Europe" (Romanists group).

Certain projects are in progress: Alain de Chasteltournant and the End of Man • Bohèmes: Cultures, deviances, countercultures • The collection as an editorial phenomenon, Europe/America 18th-21st centuries • Glocal street art • Literary writing • Narrating the (in)visible work • Practices of multiple and heterogeneous logics • Research logs on Louis Guilloux Online journal: Amerika. Memories, identities, territories.

Other research areas: Literature, politics, history • Literature, discourses of knowledge and history of ideas • Literature and the contemporary world • Figures of transgression • Literature and rurality • Genres, literature and women, masculinities • History and historiography of spiritual literature in Modern Times in France (Jean de Saint-Samson, Michel Le Noblez) • Literature and didactics: language, literature, experimentation and transmission • Ethics and universalism in the reflection of Arab thought • A project is underway within the framework of the French University Institute (IUF): "Exegetical Prologues in Late Antiquity Philosophy" • The CELLAM is a partner of the ANR DHAF "Dante in France, past to present" project.

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LINGUISTICS, LANGUAGE ENGINEERING, LANGUAGE DIDACTICS

LIDILE

Director: Christine Evain • Assistant Director: Élisabeth Richard

LIDILE analyses language activity, description and formalization, in the variety of its modes or fields of application and through the diversity of natural languages. The team has three scientific objectives. (1) To develop well-founded epistemological and methodological expertise in the field of language sciences and its related disciplinary fields (linguistics, cognition and computer science). (2) To create synergy based on common approaches such as language description, discourse analysis and translation studies. (3) To support an approach based on the transfer, application and development of research towards academic training and occupational sectors (processing and exploitation of metadata, language teaching, etc.).

KEYWORDS

phonetics • syntax • discourse • oral language • specialist language • corpus linguistics • translation • language engineering • e-learning • instructional design • digital humanities • ICTT (Information and Communication Technologies for Teaching) • Didactics of Foreign Languages • Didactics of French Language (French as a Mother Tongue Language (FLM) / French as a Foreign Language (FLE) / French as a Second Language (FLS)) • multilingualism • eco-linguistics • LANSAD (Languages for Specialists in other disciplines)

KEY FIGURES

23 lecturer-researchers
15 PhD students

RESEARCH TOPICS

Studies in Applied Linguistics (ELIA) is a structural research topic for all the unit's activities and addresses the general question of studying language in context. Linguistic anchoring guarantees that scientific activity is coherent and allows research to be transferred for use in language didactics, translation and language engineering.

Didactics of Languages and Multimedia (DiLeM) is a research topic that aims to structure and develop research in language didactics (German, English, Spanish, Arabic, Chinese, French as a Foreign Language (FLE)). The group develops working themes related to the LANSAD (Languages for Specialists in other disciplines) sector and the research work is rooted in applied research and action research.

Specialized translation, language engineering, and terminology (TRASILT) is a research topic that integrates new issues related to current and foreseeable developments in key areas such as the automatic processing of natural languages, computer-aided writing, controlled languages, and the impact of these developments on the practice of translation and multilingual and multimedia communication.

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CENTRE FOR THE STUDY OF LANGUAGES, TERRITORIES AND CULTURAL IDENTITIES - BRITTANY AND MINORITY LANGUAGES

CELTIC-BLM

Director: Erwan Hupel • Assistant Director: Stéphanie Clerc Conan

The CELTIC-BLM is a new research unit created on 1 January 2022. This structure dedicated to the issues of minority languages and cultures - mainly those that are Breton and in Brittany, reach beyond Celtic Brittany, and are endogenous or stem from immigration - meets a genuine societal need, is supported by the regional institutions, and has been created in Brittany's leading ALL-SHS university

RESEARCH TOPICS

The CELTIC-BLM programme has three main research topics:

• **Minority languages:** descriptions, status, use, teaching, transmission, contacts and multilingual circulation. From a sociolinguistic perspective, the studies cover language and education policies, linguistic discrimination (glottophobia), the social history of languages, and sociolinguistic representations. The linguistics studies are particularly focused on historical linguistics within the framework of Celtic Studies, as well as linguistics from fundamental research. Didactic issues are addressed through the study of the relationships between teaching-learning and minority situations. Finally, the aspects related to translation studies give rise to research into the ways in which the usual criteria and resources of translation are applied to a minority language, from different linguistic, cultural and communicative perspectives.

• **Multiple and minority cultures and identities** are identified and analysed from a triple theoretical, comparative and regional perspective. The aim is to suggest new approaches demonstrating a willingness to mobilize several disciplinary fields: history, sociology, sociolinguistics, literary analysis and rhetoric.

• **The study of the literatures of minority languages.** The concept of literary autonomy is analysed through the study of minority literatures in emerging situations. The aim is to examine the way in which, during the first stages of the cultural or political revival of a minority group, various fields are interwoven within a politico-cultural field, which then diversifies as the political field discovers its specific modes of expression and develops a certain autonomy with respect to the central power. The comparative approach is favoured and, as such, particular attention is paid to writers from the diaspora, at the crossroads of cultures and their identities.

N. B.

This new research unit is part of a larger structure organized on a national scale, namely the Inter-University Study Group Minority Languages and Cultures (GIE-LCM), of which Rennes 2 signed the constitutive agreement with Bordeaux Montaigne University, the University of Pau and the Pays de l'Adour (UPPA), and the University of Perpignan Via Domitia (UPVD). The purpose of the GIE-LCM is to support research related to the study and practice of minority languages through joint projects.

KEYWORDS

Brittany • Breizh • brezhoneg • gallo • Minority languages and cultures • oral and written literature • comparative grammar • political and institutional history • social history • ethnicity • identity • geography • discriminations • linguistic ethnology • sociolinguistics • sociodidactics • bilingualism • bilingual and multilingual education • Celtic languages • Celtic countries • Celtic Studies • tangible and intangible heritage

KEY FIGURES

10 lecturer-researchers
21 PhD students

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How
to do
things
with
Words

ANGLOPHONE COUNTRIES: COMMUNITIES AND WRITINGS (ACE)

ACE

Director: Benoît Tadiér

ACE carries out work in the fields of English Studies, in particular the literature, linguistics and civilization of the anglophone world. It brings together researchers working in anglophone areas (Great Britain, Ireland, United States, Canada, Australia, New Zealand, South Africa, India) and in the language/culture nodes specific to each geographical area. Members of the team are specialists in fields as varied as literature, enunciative linguistics, history, history of ideas, history of the arts, philosophy, film studies, cultural studies, etc. Their work focuses on the analysis of cultural, philosophical and societal phenomena, covering both classical and emerging fields such as “popular” cultural and artistic events, gender studies, animal ethics, television series and spirituality. Reality is the current chosen theme and is based on the team’s concern about thinking of the present moment to actively participate in the debates of contemporary society: the future of the human and subjectivity in a digital world, gender issues, political and social issues structuring the world in which we live, the relationship to the environment. ACE is a member of the [Institute of the Americas \(IDA\) Scientific Interest Group \(GIS\)](#).

KEYWORDS

cultural consumption • challenges and changes in the anglophone world • memories of war (19th to 21st century) • environment, political and social ecology in Great Britain • discourse and ideologies • representations and ideologies in a paperless society • North America • Great Britain • ideology • representation • American and English Literature • political phenomena • British Art • literary criticism • religions • postmodernism • mass culture and popular culture • animal studies

KEY FIGURES

35 lecturer-researchers

6 PhD students

RESEARCH TOPICS

EPIC (Environment, Politics, Identities, Cultures) studies the political and historical phenomena relating to different anglophone countries. Several recurring themes form the basis of this research topic: cultural consumption, war memoirs, the environment, political and social ecology. Other, more recent approaches focus on gender relations, the place of popular culture and the aesthetics of television series. ACE is part of the Scientific Interest Groups (GIS) ([EIRE](#) (Irish Studies: networks and challenges) and [the programme GUEST Normandie](#)) that strengthen scientific partnerships in France and abroad.

TELL (Theory, Critical Studies, Linguistics, Literature) brings together researchers whose work focuses more specifically on the theoretical questioning of the contemporary world. It is within this research topic that work on animal ethics is being developed. Similarly, in the [Theorias network](#), some of the research focuses on issues related to spirituality and religion. Research on linguistics is based on action research and also on the analysis of television series. Finally, another theme in this research topic is dematerialization, with a particular focus on posthumanism.

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INTERLANGUAGE RESEARCH TEAM: MEMORIES, IDENTITIES, TERRITORIES (ERIMIT)

ERIMIT

Director: Nathalie Ludec and Assistant Director: Valérie Dubslaff

The ERIMIT team is one of the four research teams of the Rennes 2 Faculty of Languages. It brings together 23 researchers from multifaceted linguistic and cultural backgrounds based on the concepts of memories, identities and territories, which maintain the group’s cohesion and coherence. The work of the research unit therefore aims to develop quality work in different disciplinary fields around these three themes, to cross-reference and compare the approaches and social, historical and cultural realities of the geographical areas concerned, in an intercultural perspective that is accepted and enriched by an expertise that comes from mastering linguistic tools and accessing primary sources in the languages of origin. ERIMIT has five components: Chinese Studies; Russian Soviet and post-Soviet Studies; Research Group on Austria and Germany (GRAAL); Language Knowledge and Imagination in the Arab World (LASIMA); Research on Spanish and Portuguese Speaking Spaces (REEHL). The team provides scientific support to the faculty’s different Master’s degree courses in foreign languages and cultures for the areas studied, including three in the dual degree programme with Universidad Autónoma de Madrid (UAM) for the ETILA Master’s degree, and Fudan University for the Master’s degree in Chinese Studies.

RESEARCH TOPICS

The ERIMIT components work around two themed research topics: “Public spheres and territories of intimacy” and “Representation: interpretation, interaction, embodiment, praxis”. These fields of research are divided into study days, colloquia and seminars – specific to the components or transversal – which contribute to joint deliberations around our specializations in each research topic:

- **Public Spheres:** Institutions-Mobilization and Citizenship-Memories Exchanges / Interactions-Creative forms and languages in the public space.
- **Place of the body and of emotions:** Intimacy in the political sphere, between deprivation and exhibition - Intimacy and extimacy in the cultural sphere - Intimacy in the linguistic sphere - Intimacy in the economic sphere (Spain, Latin America, Eastern Europe, Maghreb)
- **Representation. Interpretation, interaction, embodiment, praxis,** within a dynamic, performative and contextual perspective: Representation and memories - The construction of collective and family memories - The linguistic construction of gastronomic identity (Spain, Latin America, Eastern Europe, Maghreb).



Arc-en-ciel (acrylic on rice paper, 2 x 2.50 m).
Work created by the association “Métissages : le tissu social”
[Mixed origins: social fabric], with residents from the FASTI
immigrant support association.

The team is also involved in international projects ([Cancionero, Romancero y Fuentes](#) financed by the Spanish State Research Agency (AEI) and the European Regional Development Fund (ERDF), with Brazil in the project [History, Circulation and Analysis of Literary, Linguistic, Artistic and Social Discourses](#), with Spain for [Street art: physical and virtual territories, and interactions](#) (UCM), [ECOS](#) project with Chile). It regularly welcomes postdocs or researchers from around the world to the Americas Chair of the Institute of the Americas ([IDA-Rennes](#)) and within the framework of its international partnerships (Mexico, Argentina, Chile, Brazil, Cuba, Colombia, Tunisia, Spain, Germany, China).

KEY FIGURES

23 lecturer-researchers

31 PhD students (over a third of whom are co-supervised)

KEYWORDS

writings • identities • territories • migrations • conflicts • memories

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Ellis Island, 1952: press photographer Al Ravenna sails among the “illegal aliens” being deported.

SPACES AND SOCIETIES (ESO)



Director ESO: Emmanuelle Hellier
Rennes Component: ESO-Rennes • Director: Solen Gaudin and Assistant Director: Anne-Cécile Hoyez

The ESO Joint Research Unit is historically grounded in social geography research. Its scientific activity has, however, continued to develop and enrich itself, always dealing with the spatial dimension of social relations and the study of all forms of inequalities. Researchers from the disciplines represented in ESO-Rennes, such as geography, urban planning, sociology, environmental psychology, territorial economy, demography, etc., focus on some of the central issues of contemporary society and analyse the challenges in terms of inequalities in spaces through which action and power flow.

KEYWORDS

public space • towns and cities • urbanization • countryside areas • rurality • nature • individual and collective practices and behaviours • social and spatial mobilities • gender • action research

KEY FIGURES

111 lecturer-researchers, 10 CNRS researchers and 120 PhD students • 38 lecturer-researchers, 4 CNRS researchers at Rennes 2 and 31 PhD students registered at Rennes 2 • 7 supervisions: CNRS, Universities of Angers, Caen, Le Mans, Nantes, Rennes 2, Agrocampus Ouest • 1 partner institution: EHESP School of Public Health

RESEARCH TOPICS

Productions, differentiations and sharing of space. How are places and territories made? As regards meanings and values, how are they set in motion and where are they circulating? By combining mechanisms of relegation, spatial segregation and the ongoing peri-urbanization, our work analyses the processes of differentiation of spaces and the evolution of forms of inequality.

Practices, experiences, and representations of space. How do pathways (educational, criminal, care, life, occupational, residential, migratory) and social provisions influence, or even structure, the spatial practices, representations and mobility of individuals? An approach encompassing surroundings allows us to observe how they emerge and affect people's experience.

Spatialized construction of political action: between the ordinary and the institutional. Everything that participates in the construction of a public space is studied here: public policies, collective actions such as mass rallies, situations of conflict and social interaction in the public space. The objective is to delineate political action, from the most ordinary facts to the most institutionalized policies.

Theories, interdisciplinarity, methods. Several areas of methodological expertise are developed at ESO-Rennes (often in partnership with the Government, local authorities and the socio-economic world). They include the following: (a) design of systems for collecting and analysing mobility in its broad meaning, involving, for example, the definition of GPS specifications and the use of accelerometers, (b) qualification, using GIS tools, of the urban contexts in which people move, using occupational timetables, implementing commented itineraries, experimenting with in-car interviews and defining methods for collecting urban environments, (c) spatio-temporal analysis of daily mobility in relation to the life cycle of individuals, cognitive maps, (d) biographical surveys, (e) photographic observation.



N. B.

International collaborations with ESO-Rennes: Quebec (University of Quebec in Montreal, Laval), Latin America (Colombia, Brazil, Mexico), Africa (Mali, Senegal), Near East (Turkey, Syria), Europe (Italy, Romania, Germany). • Three ANR projects led by ESO-Rennes: **MOBIKIDS** (role of urban educational cultures in the evolution of children's daily mobilities and life contexts), **PERI#WORK** (collaborative work spaces as nodes of a new mobility system outside metropolitan France). ESO-Rennes is also a partner in two ANR projects: **MARIS** (Management and risk analysis of an invasive plant) and **REPESO** (Repressing and caring: an empirical study of the health-criminal justice nexus). • Collection of ESO scientific publications: halshs.archives-ouvertes.fr/ESO.

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ARÈNES POLITICS • PUBLIC HEALTH • ENVIRONMENT • MEDIA (IN PARTNERSHIP)



UMR 6051 (CNRS)

Director: Jean-Pierre Le Bourhis (CNRS)
Assistant Director Rennes 2: Bleuwenn Lechaux

The Arènes laboratory is a multidisciplinary Joint Research Unit in the social sciences that brings together over 150 members in sociology, political sciences, history, information and communication sciences, geography and public health (epidemiology, statistics, management). Created in 1973 in Rennes 1 University, Arènes develops its activities in connection with six partner institutions: CNRS, EHESP, INSERM (National Institute of Health and Medical Research), Sciences Po Rennes, Rennes 1 and Rennes 2 Universities. Its research programmes combine basic and applied science, exploring such themes as the environment, gender, health, social policies, professions, institutions, and political life. From an international perspective, the laboratory's research topics are involved in transdisciplinary scientific reflection on social science methods, the construction of public problems, and the analysis and assessment of policies.



Photograph by Pavlo Vakhrushev

RESEARCH TOPICS

The laboratory seeks to understand contemporary social and political reconfigurations in multiple sectors by mobilizing qualitative and quantitative survey techniques from sociology, political sciences, and the analysis of public policies, and by exploring the history and functioning of groups, institutions and organizations.

The research and expertise activity is structured around four main research topics:

- Social and health inequalities at different ages.
 - Mobilizations, public and media spaces.
 - Public action, democracy, and territories in transition.
 - Research on health services and management.
- These are complemented by three transdisciplinary research groups:
- Gender, health, and the construction of public issues.
 - Mixed methods and epistemology in the social sciences.
 - Environmental knowledge policies.

N. B.

The unit has a highly **internationalized research activity**. It reaches out across Europe through numerous projects and partnerships, and the Americas with its involvement in the **Institute of the Americas** (IDA).

Members of the unit are also involved in the running of four social sciences **journals**, three of which are internationally oriented: *Lien social et Politique* (Social Links and Politics), *Sur le journalisme* (About Journalism), *Alter*, and *Mots* (Words). They also coordinate several **collections** at the Rennes University Press and the EHESP School of Public Health.

Finally, Arènes is a support laboratory for numerous **Master's** courses at Sciences Po Rennes, the Faculty of Law and Political Sciences at Rennes 1, EHESP School of Public Health and Rennes 2, in the fields of public policy, political sciences, public health, journalism, history and international relations.

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RESEARCH CENTRE FOR FRANCOPHONY, INTERCULTURALITY, COMMUNICATION AND SOCIOLINGUISTICS

Co-Directors: Jean-Luc Bouillon & Gudrun Ledegen

PREFICS

PREFICS is an interdisciplinary research unit with an international focus, composed of research teams working mainly in the fields of information and communication sciences and language sciences (sociolinguistics). The work carried out aims to understand the language and communication dynamics leading to the organization of formal and informal contemporary social spaces: formal, such as States, institutions, associations, local authorities, companies, etc., or more informal such as social groups, social networks, geographical and intercultural spaces.

KEYWORDS

discourse analysis • organizational communication • language didactics • discriminations • qualitative epistemology • francophonies • identities • interculturality • French sign language • migrations • linguistic policies • collaborative practices • digital practices • occupational practices • organizational processes • management software packages • organizational streamlining • communication careers • enterprise social networks • information and communication sciences • language sciences (sociolinguistics) • information and communication digital technologies • territories • urbanities



Emily Allchurch, *Tower of London (after Bruegel)* (2005) – www.emilyallchurch.com.

KEY FIGURES

2 sites: Vannes and Rennes • 23 lecturer-researchers including 17 at Rennes 2 • 35 PhD students registered at Rennes 2

RESEARCH TOPICS

Its originality lies in its desire to theoretically and methodologically construct communicative, discursive and linguistic phenomena in observable ways in order to understand the processes of social construction. This approach is implemented by comparing different levels of analysis: the analysis of situations of action and interaction located in social, activist and professional contexts is thus combined with the way in which they form part of organized and institutionalized spaces, of ideological logics, contributing to the construction and development thereof. PREFICS is structured around three research topics:

- Communications, organizations, institutions, focusing on the rationalizations and reconfigurations of public and private organizations linked to digital technologies.
- Dynamics of multi-modal social interactions, focusing on the analysis of verbal and non-verbal interactions within social situations, taking into account the contexts and techniques involved.
- Criticism and communication, bringing together work focusing on the analysis of discourses, imaginaries and ideologies associated with contemporary social and organizational transformations.

These three topics are closely developed in the laboratory's research projects.

N. B.

PREFICS coordinates the ANR [project EGR](#) (Ethnography of guerrilla groups and revolts) and [The Encyclopedia of Migrants](#) (www.encyclopedie-des-migrants.eu), continuing in *Distress Flares* (Fusée de détresse). It is developing the project VASYFRANCO (syntax variation in everyday French in the French-speaking world). Its partners include the Scientific Interest Groups (GIS) [IDA-Rennes](#) (Institute of the Americas in Rennes), and [Marsouin](#).

PREFICS is also involved in numerous contract research programmes with public and private partners: Social Housing Union (USH), Institute for Public Health Research (IReSP), LabEx CominLabs, ICCA (Cultural Industries and Artistic Creation), etc.

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INTERDISCIPLINARY LABORATORY FOR RESEARCH IN SOCIETAL INNOVATIONS

LiRIS

Co-Directors: Anne-Laure Le Nadant & Gaël Henaff

It was in the 19th century that the qualifier “societal” first appeared in the United States, but it did not become widespread in Europe until the early 1970s. Societal implies a broader conception of the social, going beyond the sole analysis of the relationships between individuals within a community and expanding its scope to cover what contributes to their well-being and to everything related to their common interests. Societal innovations can be understood on the basis of citizens' capacity for initiative to rethink institutional frameworks in order to participate in the experimentation and development of new economic, legal, social and entrepreneurial models, which are more inclusive and supportive, more globalized and more heritage oriented. LiRIS aims to contribute to the theoretical and practical debate on societal innovations through a multi- and inter-disciplinary approach based on a technical and critical analysis of the implementation of alternative models and on an experimental approach to social, economic, legal and entrepreneurial innovations at both the local and international scale.

RESEARCH TOPICS

Through two main research topics, **Norms, governance and globalization** and **Norms, vulnerabilities and solidarities**, LiRIS members will play a major role in the analysis of “societal innovations”, in particular by responding to three challenges.

Globalization Contemporary economies and societies and the institutions that govern them are involved in multiple and rapid changes in which their norms, values and principles of governance are being confronted with globalization, with an economic model that some actors challenge and others accept, but not without limitations. In this process, the scales of regulation – local, regional, national and global – are intertwined.

Societal The evolution of the relationship to normativity and the profound changes in institutions (Europe, State, local authorities, family, market, civil society, etc.) have fostered the emergence of new forms of political, legal, economic and social organization: development of new forms of governance, administration, entrepreneurship, work and project financing, a proliferation of citizen initiatives, development and/or changes in consumption behaviours (especially pro-social behaviour). This work also opens up to all the vulnerabilities produced or accentuated by these changes, whatever the causes, physical or intellectual aptitudes or capacities, economic, unequally distributed social or family resources, and which the solidarities seek to correct.

Environmental This challenge is becoming more and more pressing, particularly because of the imperatives of financing climate change. The European Union, with its decarbonization programme for 2050, encouraged by the international financial institutions, has mapped out the path towards a carbon-free world which will involve new behaviours linked to the emergence in particular of renewable energies. However, it is one thing to create a new market for responsible finance, but another to encourage consumers, savers and citizens to take an interest in it. These two approaches are inseparable and require the overlapping skills present in LiRIS, whether in management, law or economics and sociology.



SpY, *Alive* (Stavanger, Norway, 2016) – spy-urbanart.com.

KEY FIGURES

45 lecturer-researchers

34 PhD students

societal innovations • globalization • institutions • norms • governance • solidarities • vulnerabilities • exclusion • sustainable development and local policies • work • jobs • alternative finance • consumption • heritage • environment • territories • emerging countries • organizational theory • sociology • political economics • social and solidarity economy • public law • private law • management sciences

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CENTRE FOR EDUCATIONAL RESEARCH, LEARNING AND DIDACTICS

Co-Directors: Geneviève Lameul & Patricia Marzin-Janvier

CREAD

The general objective of the research carried out within CREAD is to understand and explain training, teaching and learning practices and the contexts in which their different actors operate. To this end, theories in the humanities and social sciences are mobilized, in particular the educational sciences, sociology, psychology and didactics. The team's work is focused on two areas: knowledge practices, particularly within the educational institution, and education and training technologies, i. e. their design, modelling and use in relation to human development.

RESEARCH TOPICS

The common issue is to identify the potentially emancipatory dimensions of the systems, tools and practices observed, with a view to guiding and supporting actors in understanding, regulating and even transforming action for the purposes of education and training. Epistemic approaches and specific survey methods are discussed and experimented with in order to harmonize them with the theories and concepts mobilized and the ethical perspectives supported. There are two main research topics.

Education institutions and practices. The aim here is to analyse education and training practices by taking institutional and social contexts into account. The socio-didactic approach to the studied phenomena is based, for the didactic part, on joint action theory. The research is divided into two programmes. The first, *Policy, context and actors*, mobilizes frameworks and tools from a sociological approach towards institutions (school, training, etc.). The second, *Knowledge practices, origin and dissemination*, is concerned with the didactic aspects of what is happening within these institutions, and in particular within the actual teaching-learning practices (in the classroom, in training situations, etc.).

Tools, instruments, activity. Claiming to have their roots in the enactive epistemology of the relationship to knowledge, two groups study the forms of coupling between the arrangement of technical objects and activities. A first programme, *Experience and Development, Human and Technical Mediation* oriented towards socio-technics, is particularly interested in adult education in various contexts (initial and continuing education, education and the working classes, distance learning, etc.). A second programme, *Educational Technologies, Designs and Uses*, which is more instrumental, studies training environments, the role and functions of learning artefacts and instruments, from the design of tools to their use, including the different "hybridization" effects of training tools.

N. B.

CREAD is involved in calls for projects mobilizing numerous lecturer-researchers, research fellows and PhD students, in particular the **e-FRAN** project (Digital innovation for educational excellence – Digital interactions for education and teaching).

Several projects also involve partnerships with the **MSHB Human Sciences Institute in Brittany**, (Arts and Creation centre), Scientific Interest Groups (GIS), (**Marsouin**), and various institutions in Brittany and Pays de la Loire (Brest, Nantes, and Le Mans, for example.) on university pedagogy, video artefacts, didactic approaches or the use of digital technology in education and training.

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PSYCHOLOGY LABORATORY: COGNITION, BEHAVIOUR AND COMMUNICATION

LP3C

Director: Maud Besançon

LP3C research is carried out in the fields of experimental, social, cognitive, differential, ergonomic, developmental and education psychology around several research topics.

KEY FIGURES

3 sites: Brest, Rennes 2 and Vannes

51 lecturer-researchers, including 36 at Rennes 2

38 PhD students registered at Rennes 2

KEYWORDS

knowledge about the Self and the Other • beliefs and social representations • social influence and engagement • fundamental cognitive processes • social regulations of performance • digital environment interactions • psychometric development • disability and development disorders • ageing • adaptive testing • educational difficulties • health • education • work • justice

RESEARCH TOPICS

Social construction of knowledge The general objective of this research topic is to study how the knowledge, judgements, beliefs, and representations developed by the individual are affected by, or reflect, construction processes of a social nature. *Two programmes*: Socio-cognitive regulations of knowledge about oneself and others: Beliefs and representations.

Influences and Behaviours. This research topic aims to study the influencing factors that underlie human behaviours. *Two programmes*: Interactional, non-verbal and environmental influence; Voluntary commitment and submission procedures.

Performance, socio-performance and learning. The objective of this research topic is to understand the fundamental cognitive processes, psycho-social and affective-motivational processes that regulate performance in the professional, educational and training fields, and interactions between humans in digital and socio-technical environments. *Three programmes*: Basic approaches to cognitive processes and their development; Social and affective-motivational regulations of performances;

Interactions in digital and socio-technical environments.

Variabilities, assessment, remediation. This research topic aims to develop knowledge of the inter- and intra-individual variability of human behaviour in different thematic fields (cognitive, social, motor) and leads to the development of assessment tools and remediation programmes. *Four programmes*: Psychometric development of measurement tools; Disabilities, developmental disorders and ageing; Adaptive testing of individual transversal skills; Major educational difficulties and learning disabilities.

N. B.

ACTIF programme (Learning and Collaboration on tablets, interactions and feedback — Arts: Practices and Poetics (AAP) **e-FRAN**, Investments for the Future programme, PIA). • **H2020 Programme–Health ZIKAlliance** (A global alliance for Zika virus control and prevention). • **ProFAN programme** (Responding to the needs of new employment skills in the digital society — Investments for the Future programme, PIA). • **SHERPAM programme** (Sensors for health recording and physical activity monitoring — LabEx CominLabs).

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KEY FIGURES

2 sites: Brest and Rennes

47 lecturer-researchers, including 17 at Rennes 2

18 PhD students registered at Rennes 2

PSYCHOPATHOLOGY AND PSYCHOANALYSIS RESEARCH

RPpsy

Director: Yohan Trichet and Assistant Director (Rennes site): Giorgia Tiscini

The Psychopathology and Psychoanalysis Research Laboratory is composed of lecturer-researchers in psychopathology with a psychoanalytical orientation, and hosts professional associate members from institutions with which work is carried out in the medical, medico-social, educational and judicial fields guided by the subject's clinic. The research, of which a large part involves international cooperation (South America, Europe, Russia, North Africa, Asia), adopts a singular approach to the case in a psychoanalytical orientation, mostly Lacanian. The laboratory publishes at a steady pace and many of the published works are authoritative.



Bruegel The Elder, *Children's Games* (1560, detail).

RESEARCH TOPICS

Multisite, RPpsy has offices in Rennes 2 (main institution), Poitiers, Brest and UCO Angers. It has five specific components with transversal research topics, thus fostering a community of projects and research. The work of the first Rennes component, **Subjective logic and new forms of symptoms**, is spread over a broad spectrum and questions modern manifestations of symptoms. The issue of positioning the subject in the contemporary social bond is addressed and new solutions are studied, in connection to what society is offering. The second component, **Specific fields and practices**, studies the effect that a discourse can produce on a subject's responses. Starting from the body and its pleasures, and from responses that society allows, which are embodied in specific discourses, we question the responses of the medical, socio-educational or judicial environment. Religious discourse and its contemporary impacts are also questioned, for example in the context of radicalization.

KEYWORDS

psychopathology • psychoanalysis • clinical and therapeutic tools • new symptoms and diseases in civilization • child and adolescent psychopathology • criminology and interdisciplinarity in humanities • models and epistemology in clinical humanities

KEY FIGURES

4 sites: Angers, Brest, Poitiers, Rennes
33 lecturer-researchers, 13 of whom at Rennes 2
48 PhD students registered at Rennes 2

N. B.

RPpsy organizes large-scale **scientific events** that bring together on average 650 participants. Previous events have dealt with fanaticism (2016), limitations (2017) and "Politics of the face: aesthetic fanaticism and the ethical gaze" (2018).

A long-running collaboration links the team **Arts: Practices and Poetics** (APP) and RPpsy through the art-psychoanalysis link. This collaboration, which has resulted in various productions and events, was the occasion for our researchers (grouped under the title **KAIROS**) to participate in the national PANDORA consortium.

Similarly, our team is a member of the national research network **Racism and Antisemitism Network**, which aims to study new forms of xenophobic extremism.

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VALUES, INNOVATIONS, POLICIES, SOCIALISATION & SPORTS (VIPS²)

VIPS²

Director: Michaël Attali and Assistant Co-Directors: François Le Yondre and Stéphane Heas

The VIPS² laboratory has been recognized in several areas of excellence. Aspects relating to education through sport, representations, the legacy of sporting events, policies, sport tourism and innovation are particularly valorized. It is for this reason that our research is mainly organized around two themes that mobilize history, sociology, management sciences, legal sciences and social psychology in a multidisciplinary manner.

KEYWORDS

history • sociology • psychology • law • management • society • social groups • territory • development • innovation • politics • education • integration • health • heritage • events • gender • generation • cultures • vulnerabilities • discrimination • sports • leisure • tourism • violences

KEY FIGURES

21 lecturer-researchers 18 at Rennes 2, 2 at ENS, 2 at Angers
21 PhD students registered at Rennes 2

RESEARCH TOPICS

Socialisation. First of all, the processes of education and the dynamics of social integration through physical activities (sport, leisure, etc.) are questioned. What is the take away for young people, adults and senior citizens involved in sports education programmes (in schools, associations, etc.)? What do they really learn and possibly transfer to other domains? What does sport contribute to general causes of interest such as citizenship, social development, etc. ? Secondly, some of VIPS²'s research focuses on the influence of belief and value systems inherent in sports cultures, their logics and mechanisms of inclusion, exclusion, disqualification and/or disaffiliation. Finally, attention is drawn to the representations attached to the activities that can lead to any form of bodily action (engagement/disengagement, risk taking/risk prevention, etc.). This dimension is studied in particular through a media discourse analysis leading to the development of different forms of affinity. Stigmatized, marginalized or heroized individuals present profiles and trajectories that provide an insight into the role of sport in our contemporary societies.

Policies and innovations. This research topic analyses, on the one hand, public policies regulating and organizing sport, through subjects as varied as sports tourism, integration through sport, health, sports events, etc. How can a policy dimension take shape in the relations between actors, in an increasingly complex system of sport governance, in particular between the public and private spheres? However, the project goes beyond the classic analysis of public action in sport and takes into account new areas of reflection, or even political decisions, such as participatory debates, *think tanks*, or corporate social responsibility. On the other hand, innovation in sport is studied for the purposes of identifying social change. How are sports innovations formed (creation of sports, new tools, new techniques, new mechanisms for social intervention through sport, etc.) and how do they generate controversy? Because sport has become a major factor of social innovation – along with the development of innovation management in sport enterprises – it is important to examine the political and social consequences of this state of affairs.

N. B.

Partnerships with the French Ministry of Sport, local authorities, **PLAY International**, etc. • Projects funded by the **Fondation de France**, **Erasmus+ Sport programme** – European Commission, the French National Cancer Institute (**INCa**), etc.

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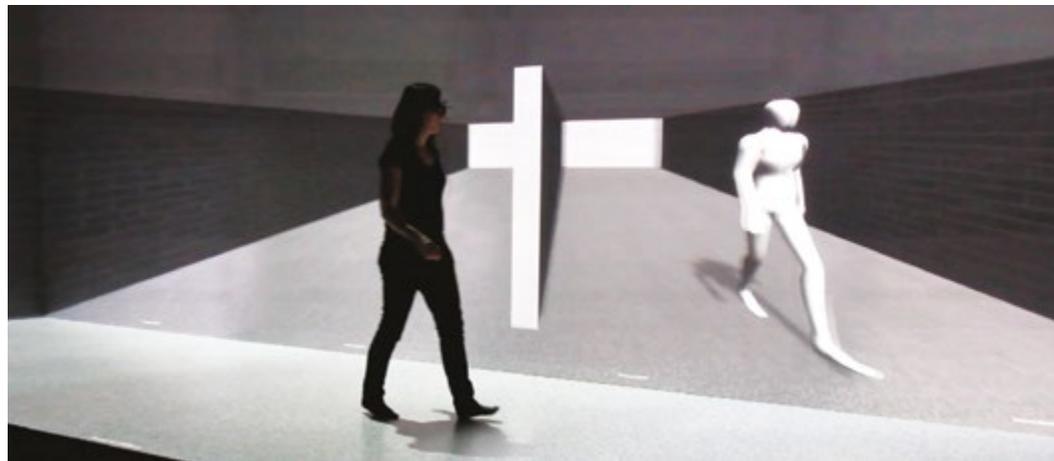
Transformation of an abandoned train depot in the Danish port of Esbjerg into a new facility for street sports, skateboarding and urban culture. Work carried out by the architecture studio EFFEKT (Copenhagen).

MOVEMENT SPORT HEALTH (M2S)

M2S

Director: Benoît Bideau and Assistant Co-Directors: Amélie Rébillard and Jacques Prioux

The main objective of M2S is to explore the effects of physical activity on human health and sports performance. The Research Unit is particularly interested in understanding the pathophysiology of physical inactivity and the potential effects of physical activity on the development of cancer and diabetes. It also studies physical activity in terms of sports performance where the prevention of pathological risks and the optimization of training procedures – involving new technological tools (e. g. virtual reality) – are major issues. The results of this research are intended to improve athletic performance while preserving athletes' physical integrity. With this dual goal, the M2S laboratory adopts a multidisciplinary approach based on tools and methodology derived from cell biology, physiology, biomechanics and computer science.



Interactions and virtual reality: the Immermove platform at the Ker Lann campus in Bruz.

RESEARCH TOPICS

M2S aims to study physical activity and sport from a life science perspective. The purpose of the research carried out is to gain a better understanding of the mechanisms of human adaptation to exercise using innovative tools and methods based on a physiological and biomechanical approach. This scientific theme is divided into two research topics: **Sport and Health** and **Sport and Performance**.

The objective of the Sport and Health research topic is to understand, through a translational approach combining clinical and experimental studies, how inactivity and physical activity impact health to: (1) prevent the development of chronic pathologies linked to physical inactivity, and (2) optimize the management of chronic pathologies (cancer, metabolic diseases, arteriopathy, motor pathologies) through adapted physical activities.

The Sport and Performance research topic addresses the relationship between physical activity and health from a sport performance perspective. The main objective of this research topic is to identify and model the physiological and biomechanical criteria allowing the athlete to combine both the optimization of their training process and the maintaining of their physical integrity. It is divided into three main research topics: (1) quantification of physical activity, (2) training load, (3) material and environment interactions.

KEYWORDS

physiology of exercise • biomechanics • hormones • oxidative stress • simulation • virtual reality

KEY FIGURES

19 lecturer-researchers
3 engineers
20 PhD students registered at Rennes 2

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MIMETIC (IN PARTNERSHIP)

Director: Franck Multon



A contraction of "mimetism" and "TIC" (French acronym for ICT), MimeTIC deals with the analysis, modelling and simulation of human movement. MimeTIC is a multidisciplinary team created in 2011 from the association of lecturer-researchers of the laboratories **M2S** (Movement Sport Health) and **IRISA** (Institute for Research in Computer Science and Random Systems, UMR 6074), and researchers from **INRIA** (the French National Institute for Research in Digital Science and Technology) from the Rennes-Bretagne Atlantique INRIA Centre. The team was renewed in 2014, and in 2018 it was assessed for a new four-year partnership with INRIA. It is supervised by Rennes 2 and Rennes 1 Universities, ENS Rennes and INRIA. The main original feature of MimeTIC is to approach human movement from two complementary points of view: analysis and simulation. In this way, MimeTIC makes it possible to scientifically unlock motion analysis through its skills in simulation, while analysis provides simulation with fundamental knowledge, and vice versa. This methodological approach to virtual reality involving motor skills and interactions is now internationally recognized.

RESEARCH TOPICS

Movement Analysis: to propose new ways of measuring movement ecologically, to introduce configurable and customizable musculoskeletal models, as well as efficient and robust analysis methods for noisy or incomplete field data.

Simulation of Autonomous Virtual Humans: to use the knowledge acquired from motion analysis to propose new methods for simulating autonomous virtual humans capable of perceiving their environment, deciding on courses of action and controlling their movements in a physical environment. To propose a user-centred approach to the design of autonomous virtual humans using original user perception protocols.

Physical Activity and Virtual Reality: to take advantage of the latest innovations in motion analysis and simulation to make virtual and real humans interact in collaborative or competitive tasks. To propose innovative protocols for analysing interactions between individuals using virtual reality, and to study their limitations (influence of technological solutions on embodiment, presence, motivation, skills transfer, etc.).

KEYWORDS

movement analysis • virtual human simulation • biomechanics • virtual reality • motion design • motion capture • artificial intelligence • sport • ergonomics • health • video games

KEY FIGURES

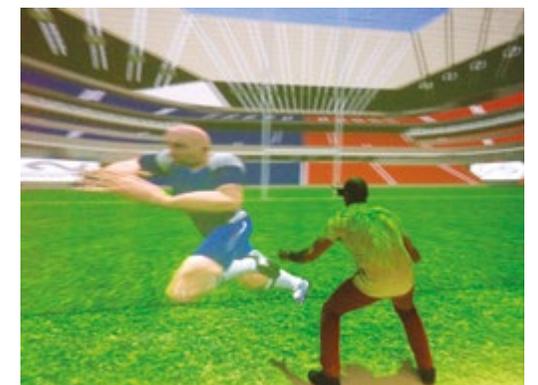
10 lecturer-researchers
2 Inria researchers
2 tenured engineers (UR2 and CNRS)
6 engineers and postdocs on contract
20 PhD students
2 sites: the M2S laboratory hosted by ENS on the Ker Lann campus & the UMR IRISA Joint Research Unit on the Beaulieu campus.

N. B.

The MimeTIC team runs the platforms **Immersia** (in virtual reality at IRISA) and **Immermove** (in motion analysis and virtual reality at M2S) grouped under the name ImmerStar. • The team is directly involved in three ANR projects: **HoBis** (**Bipedalism of Homininae: analysis of the bipedal walk of Hominins by specimen-specific functional morphology**), an international collaboration research project (PRCI); **Per2** (Perception-based Personalization of Human Movement), an individual research project coordinated by young researchers (JCJC); a H2020 Joint Programming Initiative on Cultural Heritage (JPI-CH); **SCHEDAR** (Safeguarding the Cultural Heritage of Dance through Augmented Reality); 3 PIA3 projects EUR DIGISPORT, High Performance Sports NePTUNE, BEST-TENNIS and REVEA; several industrial projects (including two **CIFRE** theses with Technicolor and Faurecia) and INRIA-funded collaborative projects.

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Analysis of interactions between players using virtual reality. Immermove platform at the Ker Lann campus in Bruz.

COASTLINE, ENVIRONMENT, REMOTE SENSING, GEOMATICS



UMR 6554 (CNRS) LETG

Director: Brice Trouillet • Rennes 2 component: LETG Rennes • Director: Samuel Corgne

LETG is a Joint Research Unit under the supervision of the French National Centre for Scientific Research (CNRS), the Research and Higher Education Institution (EPHE) and the universities of Angers, Brest, Caen, Nantes and Rennes 2. Its scientific field is environmental geography. Thanks to its expertise in human geography, physical geography and geomatics, LETG's scientific programme seeks to contribute to knowledge on the interactions between nature and society by focusing on the study of natural and anthropogenic dynamic processes through two approaches: changes of use, conflicts and territorial changes at the sea/land interface, environmental and anthropogenic forcing on the dynamics of vulnerable environments.

RESEARCH TOPICS

The LETG project is in line with the outlook of the CNRS Institute of Ecology and Environment (INEE) by focusing on several research priorities of societal interest relating to the functioning and evolution of **coastal and continental systems** in connection with different types of dynamics, whether these be the consequences of climatic hazards on bio- and abiotic environments and on humans and their activities, or the contribution of new mechanisms to environmental governance.

A wide range of spatial scales (from local to global) and temporal scales (some real time data located at the **Holocene** to take into account changes over the long term, and in the future through prospective scenario building) is mobilized in scientific themes by relying on the various contributions of the digital processing of geographic information (image processing, spatial analysis, modelling-simulation).

Systemic, spatial and temporal: this triple input is organized on the basis of **modelling and prospective approaches**, implementing methods and tools for data acquisition, analysis, representation and dissemination, which are then reflexively and critically analysed for their effective contribution, in particular regarding societal issues in the digital humanities.

KEYWORDS

environment • coastline • climatology • remote sensing • geomatics • landscapes • ecosystemic services • modelling • spatial dynamics

KEY FIGURES

58 lecturer-researchers and 12 CNRS researchers • 11 lecturer-researchers, 5 CNRS researchers and 2 research engineers at Rennes 2

11 PhD students registered at Rennes 2



Sentinel-1 multi-temporal colour composition of the Brazilian Amazon (2017, produced by LETG Rennes).

N. B.

LETG members are involved in the following projects: EU Framework Programme – COST **CONVERGES** (Knowledge conversion for enhancing management of European riparian ecosystems and services, 2017-2021); ANR **MATS** (Statistical Learning for Environmental Time Series, 2018-2022); ANR **ATCHA** (Supporting Adaptation of Irrigated Agriculture to Climate Change, 2017-2021); ANR **TRASSE** (Trajectories of socio-ecosystems in Latin American watersheds, 2018-2021); **CiCIAMEn** (Cities, climate and vegetation: modelling and environmental public policies, CAPES-COFECUB, 2019-2022).

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MATHEMATICS RESEARCH INSTITUTE, RENNES



UMR 6625 (CNRS) IRMAR

Director: Mihai Gradinaru • Rennes 2 Component: IRMAR Rennes 2 • Director: Magalie Fromont

IRMAR is one of the ten largest mathematical laboratories in France. It covers a wide range of topics, from the most fundamental to the most applied. Multi-site and multi-supervised, it brings together the majority of mathematics professionals in the Rennes region. It includes mathematicians from the Universities of Rennes 1 and Rennes 2, the French National Centre for Scientific Research (CNRS), ENS Rennes, the National Institute of Applied Sciences (INSA) (the supervisors), teams from Agrocampus, the Directorate General for Armament (DGA Information Superiority, French Ministry of the Armed Forces), Graduate School for Statistics and Data Science (ENSAI). It also hosts three teams from the French National Institute for Research in Digital Science and Technology (INRIA).

RESEARCH TOPICS

The statisticians of the Rennes 2 component for the Mathematics Research Institute, Rennes (IRMAR) form a team of a dozen lecturer-researchers whose research topics range from applied statistics to mathematical statistics, with the following main themes: **non-parametric statistics, statistical learning, statistical processes, multivariate statistical analysis**. IRMAR regularly publishes in international journals, and is involved in the organization of working groups, seminars, symposia and study days such as the **STARDays** or the recent DYNSTOCH colloquium. It has developed national and international research collaborations (notably in the United States, United Kingdom, Poland and Germany) in its discipline and in other disciplines such as medicine, genomics, neurosciences, economics and geography, and also interacts with industry.



Mandelbrot set (numerical experiment in mathematics).

N. B.

IRMAR is co-founder and partner of the LabEx **Centre Henri Lebesgue** and heavily invested in the **Annales Henri Lebesgue**, a new non-profit generalist mathematics journal created in 2017.

The **IRMAR Library**, a fundamental tool in mathematical research, is particularly well stocked with a sizeable documentary collection of 30,500 books and access to 295 journals. It also attracts researchers from beyond IRMAR's scope (other regional bodies or laboratories that work interactively with mathematics).

IRMAR members publish several hundred research articles each year. Several of them are also authors of books and reference books. This significant scientific activity is what has built the laboratory's solid international reputation, which in reality means **hosting about forty colleagues from foreign universities each year** for stays from two weeks to two months, and organizing numerous **congresses, meetings and meet-ups**. This reputation means that IRMAR hosts several foreign postdocs every year and regularly recruits new permanent members internationally.

KEYWORDS

digital analysis • probabilities • statistics • mathematical modelling and simulation • robotics • cybersecurity • mechanics

KEY FIGURES

102 lecturer-researchers, 14 CNRS researchers and 67 PhD students • 12 lecturer-researchers at Rennes 2
15 weekly seminars
1 monthly colloquium

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DOCTORAL SCHOOLS

The French Ministry of Higher Education, Research and Innovation has approved a bi-regional system in Brittany and Pays de la Loire, which means that Rennes 2 University can deliver the doctoral degree in three doctoral schools (EDs) in which the majority of its PhD students are enrolled. The exhaustive list of specializations of each doctoral school appears **opposite**. Three other doctoral schools also host PhD students from our university: Law and Political Science (**DSP**), Mathematics, Information and Communication Sciences and Technologies (**MATHSTIC**) and Biology, Health (**BS**).

ARTS, LITERATURE, LANGUAGES (ALL)

Director: Anne Goarzin (Rennes 2 University)

The **Arts, Literature and Languages (ALL)** doctoral school is the only one which is directly supported and managed by Rennes 2 University out of the 11 doctoral schools coordinated by the Rennes Doctoral Centre and the doctoral school for Brittany and Pays de la Loire. It has 400 PhD students – nearly 200 of whom are registered in our institution –, and is supported, for Rennes 2, by 7 research teams from the Faculty of Arts, Literature and Communication and the Faculty of Languages. The ALL school is also associated with the National School of Architecture (ENSAB) in Brittany, and the Higher School of Art and Design, Tours – Angers – Le Mans (TALM). Highly multidisciplinary, it comes under the field traditionally referred to as the humanities. The building blocks of its identity and unity are the training courses, seminars and doctoral days in which all partner universities participate (Rennes 2, University of Western Brittany, University of Southern Brittany, Universities of Nantes, Angers, and Le Mans). This identity and unity are also formed and made visible by the PhD student journal: *TransversALL*; created in 2019, the latest edition focuses on *L'Art et le Sacré (Art and the Sacred)*. All editions are available in printed and digital format ([↗ transversall.hypotheses.org](https://transversall.hypotheses.org)).



KEYWORDS Archaeology • Architecture • Applied arts • Performing arts (cinema, theatre, dance) • Plastic arts • Aesthetics and philosophy of art • History of the arts (ancient, medieval, modern, contemporary, current) • Breton language, literature and culture • French language and literatures, Francophone literatures • Ancient languages and literatures • Applied foreign languages (LEA) • Anglophone languages, literatures and civilisations, Irish and American studies, cultural studies • Chinese languages, literatures and civilisations • Arabic languages, literatures and civilisations • Germanic languages, literatures and civilisations • Romance languages, literatures and civilisations (Spanish, Italian, Portuguese) • Slavic languages, literatures and civilisations • Comparative literatures • European and international literatures and cultures • Musicology • Art Sciences • Language sciences and didactics

EDUCATION, LANGUAGE, INTERACTIONS, COGNITION, CLINICAL (ELICC)

Director: Christophe Cornu (Nantes University)

Assistant Director: Élisabeth Richard (Rennes 2 University)

Education, Language, Interactions, Cognition, Clinical is a multi-site (Angers, Brest, Le Mans, Nantes, Rennes, Vannes) and inter-regional doctoral school whose head office is located in Nantes. Since 1 September 2017, it has been coordinating and providing training for PhD students (on average 350) in 9 different specializations. It is supported by 12 research units in the fields of philosophy, educational sciences, psychology, Science and Technology of Physical and Sporting Activities (STAPS), and didactics. It boasts 130 staff with research supervision accreditation (HDR), and an average of 60 theses defended each year.

This school was the result of a restructuring that provided the opportunity to unify themes and research issues around cognition, language, didactics and education. ELICC's narrow thematic scope enables it to project a strong identity and visibility in its missions.

KEYWORDS Didactics (languages, physical activities and sporting activities) • Ergonomics • Information and communication • Computer Science • Philosophy • Psychology • Education sciences • Language sciences • Science and Technology of Physical and Sporting Activities (STAPS)



View from the 7th floor of the university's P Building. Photograph by Sébastien Boyer.

SOCIETIES, TIMES, TERRITORIES (STT)

Director: Patrice Marcilloux (University of Angers)

Assistant Director: Philip Milburn (Rennes 2 University)

The **Societies, Times, Territories (STT)** doctoral school brings together 23 social sciences specializations and hosts 570 PhD students (190 in Rennes) in 13 research units (8 of which are located in Rennes). STT's diversity is enhanced by a genuine collective dynamic that accompanies PhD students in their institutional path, provides them with interdisciplinary training, and encourages and organizes meetings between them, particularly during the annual residential seminar days. This residential seminar allows for real exchanges between PhD students and supervisors from different disciplines around common issues.

KEY WORDS Spatial planning and urbanism • Discourse analysis • Anthropology • Archaeology • Archaeosciences • Architecture • Archival studies • Demography • Economics and society • Environment • Epistemology and history of science and technology • Ethnology • European and international studies • Geography • Geomatics • History • History of art • Heritage • Information and communication sciences • Science and Technology of Physical and Sporting Activities (STAPS) • Sociolinguistics • Sociology • Tourism

RESEARCH LABORATORIES FOR PHD STUDENTS

Created in 2011, **ALEF** (Arts, Literatures, Exchanges, Borders) is a research centre for PhD students and young researchers. The objective of the centre is to carry out interdisciplinary research by comparing different methodologies and bibliographical sources. Starting from a common, transdisciplinary notion, the aim is to observe the methodological and theoretical overlaps between the various ALEF disciplines so that the notion can be considered from a transversal perspective.

[↗ laboalef.hypotheses.org](https://laboalef.hypotheses.org)

LaRASH (Laboratory for Associated Research in the Social Sciences) brings together PhD students from the three research laboratories of the Faculty of Human Sciences: Centre for Educational Research, Learning and Didactics (CREAD, EA 3875), Cognition, Behaviour and Communication (LP3C, EA 1285) and the Laboratory of Research in Psychopathology, New Symptoms and the Social Bond (RPpsy, EA 4050), focusing on common and cross-disciplinary research projects and activities. The primary aim of LaRASH is to promote the exchange and dissemination of common and transdisciplinary knowledge in the Human Sciences within Rennes 2 University and with its external partners to examine the ethical issues of reciprocal implications, as well as the renewing of intersecting epistemological approaches.

[↗ larash@net-c.com](mailto:larash@net-c.com)

GRADUATE RESEARCH SCHOOLS (EUR)

In 2018, the French National Research Agency (ANR) launched the second wave of the Graduate Research Schools (EUR) call for projects. Rennes University, which is currently under construction, supported the setting up and submission of five projects, three of which were awarded the label in 2019 by the decision of the Prime Minister, and recommended by an international jury chaired by Sir Malcolm Grant, former President of University College London. Besides Cyberschool, the Rennes 1 Graduate School of Cybersecurity, two other graduate schools have also been selected and are managed by Rennes 2 University: DIGISPORT and CAPS.

DIGISPORT: SPORT AND DIGITAL SCIENCES

Having obtained the label after the PIA 3 call for projects, this *graduate school* offers coordinated interdisciplinary Master's and Doctoral courses that respond to specific needs that continue to grow since digital technologies have started to change the landscape in all areas of sports practice. Factors such as training for performance or rehabilitation, the organization of popular sports practices, public health policies, the market for technological innovation – in which connected objects, advanced instruments for the measurement or analysis of movement, etc., figure alongside virtual gyms) – as well as actions targeted at a disaffiliated public, systematically require a dual skillset in sport and technology. EUR DIGISPORT, the only one of its kind at the national level, builds on the different strengths of the Rennes site – the only University in France to offer a complete range of training courses for sport at all levels – as well as the state of the art scientific facilities on the Rennes campus including the Immermove technological platform, and the entire local scientific ecosystem.



Led by Rennes 2 University, this *graduate school* is part of the Rennes University strategy and brings together several higher education institutions in the local area: Rennes 1 University, ENS Rennes, National Institute of Applied Sciences (INSA) Rennes, Graduate School for Statistics and Data Science (ENSAI), Centrale Supélec, two national research organizations, French National Centre for Scientific Research (CNRS) and the French National Institute for Research in Digital Science and Technology (INRIA), and big non-academic partners such as the GIP Campus sport Bretagne and the regional Olympic and sports committee. It also involves the research units Movement, Sport, Health (M2S) and Values, Innovations, Politics, Socializations and Sports (VIPS²), Cognition, Behaviour and Communication (LP3C), Centre for Educational Research, Learning and Didactics (CREAD), as well as the laboratories from the Research Institute of Computer Science and Random Systems (IRISA).

EUR DIGISPORT was created for sport and physical activity, in particular to train students and PhD students in the new professions that are emerging at the interface of sport and digital technology, which require constant adaptation to a fast-growing employment market. These professions lie at the intersection of rapidly expanding new technologies and physical practices undergoing profound changes. With a large network of companies organized around the Images & Networks cluster or Pool-French Tech, this *graduate school* also focuses on innovation and intends to play the role of socio-economic incubator. Hosting students on initial and continuing education courses, it offers them the opportunity to build their own learning path through modular training based on pedagogical innovation and project planning. Sport, digital, electronic, data, and human and social sciences all contribute to the development of cross-cutting skills in the fields concerned, that all work well together in the development of cutting-edge research for sport that will capitalize on achievements (e. g. the Shanghai thematic ranking in sport) and make the Rennes campus a world reference in sport.

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CAPS: CREATIVE APPROACHES TO PUBLIC SPACE

The Creative Approaches to Public Space graduate school (EUR CAPS) provides interdisciplinary training at Master and PhD level that responds to the growing need by universities and higher education institutions to establish close dialogue between training and research and society. This is expressed in various ways in the public space, which, as place, opinion and situation, is the environment from which citizen action is formed. Eager to play an active role in the public arena, EUR CAPS questions how research is carried out, and how knowledge is produced and transmitted.

To do so, it places creative practices and processes at the heart of the project. Here, students are invited to be actors both in their training and in the society they are part of, participating in dynamic action-based learning focused on the public space. The City of Rennes and the region of Brittany are actively working to open up the public space to develop social, artistic and political creativity.



Inauguration of the third location of the EUR CAPS Graduate School in Bois Perrin, October 2021, Rennes.

EUR CAPS has been designed to be an incubator for creative approaches towards public space, and to be a physical and intellectual place for experimentation in research, teaching and action. It proposes to link and intersect creative imagination, critical thinking, interdisciplinary collaboration and concerted action, and will provide a favourable environment for the study of artistic processes to feed into research in action. It gives priority to joint training, intervention and research initiatives to question, for example, the relationship between creation and public space, the political dimension of public space, and the public space as a place for artistic practice.

Strong partnerships with the European School of Art of Brittany (EESAB), and the National School of Architecture of Brittany (ENSAB), and the socio-cultural actors of civil society back up this approach with a view to creating a symbiosis between training, research, artistic practice and citizenship. Through these diversified partnerships, EUR CAPS aims to produce new synergies between the university's internal and external public. It also draws on more than ten international partnerships to develop mobility, research stays and internships, as well as joint courses, distance learning workshops and PhD co-supervision.

From a recognized centre of the arts and human sciences and with the strong backing of Rennes-based and international partners, EUR CAPS plays a pivotal and federating role. It supports Master and Doctoral students, whether in initial or continuing education, in the acquisition and practice of new skills. EUR CAPS is supported by the CNRS and brings together on campus ten laboratories, including two Joint Research Units (UMRs), two Scientific Interest Groups (GISs) – Rennes Planning and Urbanism Institute (IAUR), and the Archives of Art Criticism (ACA) – and benefits from the expertise of the Human Sciences Institute in Brittany (MSHB).

EUR CAPS' ambition is to become an international reference in the field of public space research and a training centre with a high appeal value for international students. Its mission is to drive change based on artistic, social and political experimentation. The courses, which are modular and shared, are practice-based and project-oriented. EUR CAPS operates on the Open Master model and provides the link between initial and continuing education. By placing research under an experimental condition, it calls for collaborative work on shared objects of research, which may take the form of shared study areas, co-authorship, and co-valorization of research.

- Playing a pivotal role for the various public space research programmes that exist within the future Rennes University and in the Rennes region.
- Uniting dispersed objects of research around some identifiable research topics and integrating various experts into working groups, creating a digital platform.
- Making it easier to organize interdisciplinary research by bringing together lecturers, lecturer-researchers, international researchers, stakeholders, experts and students on the same site.
- Supporting research teams who submit interdisciplinary public space projects within the framework of national or international programmes.
- Examining the impact of creative approaches on research in/on public space, evaluating the results of new methods that have arisen from the interaction between theory, practice and production in the areas of knowledge production, action, dissemination and documentation.

CONTACTS

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LABEX

LabEx (Laboratory of excellence) is a label that provides substantial financial support for a group of research laboratories on scientific themes defined within the framework of the PIA 1 call for projects (first wave of the Investments for the Future programme). Rennes 2 is a partner of two LabEx: the Henri Lebesgue Mathematics Centre and CominLabs (Communication and Information Sciences Laboratories).

HENRI LEBESGUE MATHEMATICS CENTRE

Director: Frank Loray

The Henri Lebesgue Centre is dedicated to the study of mathematics (geometry, algebra, statistical analysis and probability) and its interactions and applications. The research results are used in several fields (meteorological and marine forecasting, protection of computer data, etc.). Calls for study projects have been launched on major topics in the fields of science, technology and culture (quantum mechanics, probabilities, study of polymers), and prizes have been awarded to major figures in mathematics at the international level. At the same time, the LabEx is developing collaborations with stakeholders in the socio-economic world (cryptography with the electronics industry, statistics with the food industry, etc.) and aspires to achieve national and international visibility by offering an ambitious inter-institution training programme, whose distinctive feature is the organization of thematic semesters bringing together the world's top mathematicians. Inaugurated in 2012 and renewed for the period 2019-2023, the Henri Lebesgue Centre benefits from the international reputation of its French and international researchers and active collaborations between Nantes and Rennes. It brings together more than 200 lecturer-researchers and researchers, around one hundred PhD students and postdocs supported by a 20-strong administrative team from each of the three founding members, as well as the Angers, Brest and Vannes mathematics laboratories. Since 2018, LabEx has been publishing in *open access* in the generalist mathematics journal *Annales Henri Lebesgue*. Rennes 2 participates in LabEx's work through its statistics team from the joint research unit Mathematics Research Institute, Rennes ([UMR IRMAR](#)).

➔ www.lebesgue.fr



COMINLABS

Director: Patrick Bouthemy

Assistant Directors: Claude Jard and Christian Person

Created in 2011 and renewed for the 2020-2024 period, LabEx CominLabs combines a variety of skills in the digital field, a flagship, multidisciplinary research object. It federates teams from Brittany and Nantes in the broad field of digital sciences, from electronic components up to decentralized applications. The association of several digital dimensions is the reason why this LabEx is so original: it covers everything from electronics to computer science to human and social sciences, including digital healthcare, medical imaging in particular. CominLabs unites a dozen institutional partners (universities, national research organizations and grandes écoles), including 1,100 researchers, of whom over 500 are tenured researchers/lecturer-researchers. It benefits from a significant industry ecosystem and contributes to innovation policy. Several Rennes 2 Research Units – in communication and information sciences, psychology, psychopathology, and sports – have participated in its work via the Human Sciences Institute in Brittany ([MSHB](#)), which is the gateway to the LabEx for the Human and Social Sciences teams, and have benefitted from its funding.

Ongoing project - AFFINITY: study of the influence of "affinity" on the behaviour of people with autism spectrum disorders (ASD). Collaboration between the Research Unit "Psychopathology and Psychoanalysis Research" - Rennes 2 University, the National Institute of Applied Sciences (INSA) Rennes, IETR/VAADER (Institute of Electronics and Digital Technologies/Video Analysis and Architecture Design for Embedded Resources), and the Institute for Research in Computer Science and Random Systems (IRISA) of Rennes 1 University.

➔ <https://cominlabs.inria.fr>



SCIENTIFIC INTEREST GROUPS (GIS)

This organizational form was created in 1996. Attached to an institution, the GISs facilitate collaboration between several academic or non-academic institutions around a theme or a scientific expertise. Rennes 2 University is the lead institution of five Scientific Interest Groups (GISs) and partner for around twenty, including [Gender Institute](#), [Institute of the Americas](#) at the national level, and Brittany Remote Sensing ([BreTel](#)), [Europe](#), Centre for scientific resources and expertise on water management in Brittany ([CRESEB](#)), and [Marsouin](#) (Armorican Rudimentary Research on the information society and uses of the internet) at the local level.

SCIENTIFIC INTEREST GROUP (GIS) IRISH STUDIES: NETWORKS AND CHALLENGES

Chair of the Scientific Committee: Fiona McCann • Chair of the Steering Committee: Sylvie Mikowski •

Director: Anne Goarzin

The creation of the Scientific Interest Group (GIS) Irish Studies: networks and challenges (EIRE) is an initiative of the French Society of Irish Studies (SOFEIR). Inaugurated in Paris in January 2019 in the presence of Patricia O'Brien, Ambassador of Ireland to France, it currently has 50 individual members and 22 university partners, including two foreign universities (Dublin and Belfast). EIRE enables researchers from different disciplines whose research is related to Ireland to form a scientific network around common issues. It sets out to design and finance ambitious, targeted and innovative research projects on an international scale. The work will focus on two research topics:

A. The Irish diaspora: economic aspects, migration, integration. Co-leaders: Anne Groutel (University Paris 1 Panthéon-Sorbonne) and Grainne O'Keeffe (Rennes 2 University).

B. Human Rights and Democracy: what are the Irish models? Co-leaders: Karin Fischer (University of Orléans) and Nathalie Sebbane (University Paris 3 Sorbonne Nouvelle).

Three Rennes 2 Research Units are currently involved in EIRE: the Centre for Breton and Celtic Research ([CRBC](#)), the Interdisciplinary Laboratory of research in societal innovations ([LIRIS](#)) and Anglophony: communities and writings ([ACE](#)).

The EIRE Scientific Interest Group (GIS) has secured funding from the Ministry for Diaspora and International Development as part of its Global Irish strategy for the 2019-2021 period. It is hosted by the Research Unit of the Faculty of Languages at Rennes 2 University and directed by Anne Goarzin, Professor of Irish Literature and Culture at Rennes 2 University. Fiona McCann, professor at the University of Lille and member of the French University Institute (IUF), is president of the Scientific Council. Sylvie Mikowski, professor at the University of Reims, is President of the steering committee.

➔ www.sofeir.fr



GIS: RENNES PLANNING AND URBANISM INSTITUTE (IAUR)

Chair: Guy Baudelle • Director: Jean-Pascal Josselin

The GIS IAUR was created in February 2012. In the fields of urban planning, development, architecture, housing and construction, it federates the activities of its member institutions: Rennes 2 University (leader of the Scientific Interest Group, GIS), Sciences Po Rennes (Institute of Political Studies, IEP), the National School of Architecture of Brittany (INSAB), the National Institute of Applied Sciences (INSA) of Rennes, and Rennes 1 University.

Through the IAUR, institutions carefully construct exchanges and collaborations with the aim of inter-institution co-production of educational, scientific, technological and social innovations. These are mostly project-based and in connection with the local areas, and mobilize students, lecturer-researchers, elected officials, economic and social stakeholders, and volunteer citizens. Its projects are by definition transdisciplinary (sociology, geography, architecture, engineering sciences, earth sciences, legal, economic and management sciences, plastic arts, etc.) and cross-reference academic and local stakeholder knowledge. The IAUR aims to mobilize a wide network of academic, institutional and professional partners around societal and territorial challenges, at the regional, national and international level, in particular by being an active member of [APERAU](#) (Association for the Promotion of Teaching and Research in Urban Planning and Development).

➔ www.iaur.fr



GIS: APPEARANCES, BODIES AND SOCIETIES (ACORSO)

The GIS Acorso is hosted by the [Tempora](#) research unit at Rennes 2 University. At the heart of its project is reflection on identity construction, in the broadest sense of the term, and on the role that individual and collective appearances have played over the last five centuries, and continue to do so today. It develops this reflection from the issues that lie at the intersection of the history of tangible culture and techniques, of the body and gender. Its activity is highly multidisciplinary, in particular associating history, ethnography, sociology, art sciences and communication sciences.

It brings sources closer by questioning, alongside texts or images, the objects kept in museums or private collections, and their materiality. One of its fundamental characteristics is its close collaboration between academic research centres and museums. The GIS connects researchers from several continents, including Europe and America, and is comprised of some forty institutional partners. It is attentive to the diversity of societal issues involving appearances and identities, as well as the diversity of methods and approaches.

The website gis-acorso.com provides information on the GIS's activity and aims to develop information that is constantly updated on research programmes, scientific events, publications and grey literature. It is a gateway between researchers and provides guidance on how to put together research projects.

The GIS also publishes the digital journal [Apparence\(s\)](#), created in 2007 and hosted at Rennes 2 since 2019. The objective is to quickly achieve the publication of two annual editions, in French and English, to work on research dossiers that are of interest to the GIS in a comparative perspective, through a pan-European scientific committee that is spread across Europe.

➔ <https://acorso.org/en/home/>



SCIENTIFIC INTEREST GROUP (GIS): INSTITUTE OF THE AMERICAS, RENNES (IDA)

Chair: Jimena Obregón Iturra • General Secretary: Luc Capdevila

The Institute of the Americas, Rennes (IDA-Rennes) was established in 2003 and became a scientific interest group (GIS) in 2006. It brings together lecturer-researchers and researchers working on the Americas (North and South) and from different departments on the Rennes University site: Rennes 2, Sciences Po Rennes (Institute of Political Studies, IEP), Rennes 1, Agrocampus Ouest, and the EHESP School of Public Health. In 2010 it became a Human Sciences Institute in Brittany ([MSHB](#)) research platform.



The objective of Institute of the Americas in Rennes (IDA-Rennes) is to federate all research, teaching (mainly Master's courses and PhDs) or cooperation activities relating to spaces, societies and cultures in the Americas, in Rennes and in Brittany, but also in connection with external scientific partners, in France (within the IDA framework) or abroad. The innovative aspect of IDA-Rennes is based on the one hand on the cross-cutting nature of its disciplinary and institutional operations, and on the other hand on the thematic perspective of the links that can unite or divide "the" Americas.

In addition to the teaching and research activities of its members, IDA-Rennes' activities focus on various multidisciplinary and inter-institutional initiatives: [international Master's degree](#) in the Americas, [a chair of visiting professors](#), [annual research seminars](#), and various forms of pooling and promoting the work carried out on the Americas that include seminars, jointly-designed teaching, documentary series, collective research projects, public courses, and symposiums.

Rennes 2 University created the [Chair of the Americas](#) in 2003 and entrusted its scientific management to the Institute of the Americas in Rennes. A hundred or so researchers have thus been able to come and work in Rennes for one or more months and this has gradually created a unique university network that has made Rennes into an internationally recognized centre for trans-American studies.

IDA-Rennes is a partner of the [Institute of the Americas](#), a national project created as a GIS in 2007 that currently brings together some sixty higher education and research institutions.

➔ idarenes.hypotheses.org

GIS: ARCHIVES OF ART CRITICISM (ACA)

Chair: Jean-Marc Poinot • Director: Antje Kramer-Mallordy

With 89 archival collections, 449 writing collections, and over 100,000 books, the Archives of Art Criticism is a unique international resource centre. Its mission is to collect, preserve and promote writings, documents and archives of active art criticisms since the mid-20th century. It sheds light on the place of criticism in debates on art and contemporary society. Eminent figures of art criticism in France, Pierre Restany, Michel Ragon and Frank Popper have supported the project from the outset by donating a significant part of their personal archives such as notes, typescripts, correspondence with artists, photographs, videos, and sound recordings. A very rich document portal provides online access to databases and directories.

Three institutions have come together as a GIS to manage the Archives: Rennes 2 University, the National Institute of Art History ([INHA](#)) and the International Association of Art Critics ([AICA](#)). The collection of written and archival collections is accompanied by document management, the establishment of scientific research programmes, the hosting of researchers and students from all over the world, and the promotion of these collections through events such as symposia and exhibitions organized in partnership with other institutions and cultural actors. ACA also ensures a continuous cultural activity through public meetings, debates and publications on contemporary art. From this point of view, the publication of [Critique d'art](#), a journal devoted to contemporary, international critical literature on contemporary art, is seen as a professional tool developed in collaboration with the major actors of art criticism and theory of the 20th and 21st centuries.

➔ archivesdelacritiquedart.org



Documents from the collections of the Biennale de Paris and Pierre Restany.

NETWORKS

FRENCH LANGUAGE AND FRANCOPHONE EXPRESSIONS

French Coordination: Philippe Blanchet • Algerian Coordination: Hajj Miliani

The Franco-Algerian research and doctoral training network on the French language and francophone expressions was created in 2012 and renewed for the 2015 and 2017 period (until 2021) by an intergovernmental agreement. Its mission is scientific contribution, and the institutional and pedagogical implementation of Franco-Algerian academic cooperation on the subject of the French language in Algeria. This network follows on from the Algerian-French Doctoral School of French (EDAF) that was set up through a priority cooperation agreement for 2004-2011 to boost the potential of Algerian lecturer-researchers in French.



LaFEF (French language and francophone expressions) brings together some fifty research units in the two countries, in addition to EDAF that continues to provide doctoral support in many Algerian universities. It is coordinated by a bilateral Scientific Committee and two designated coordinators from each country. LaFEF has an annual budget of €250,000 to €350,000 in both countries and employs three design engineers based in Rennes 2. [PREFICS](#) of Rennes 2 University has been the leader and operator for the French part since its creation.

This network contributes to providing young academics with training in and through research through co-directorship, co-supervision of theses and shared research programmes in the fields of French didactics, the study of francophone literature, and language sciences. It accompanies scientific publications, the organization of scientific events, and the continuation and development of research collaborations established between Algerian and French academic teams.

➔ lafef.net

MINORITY LANGUAGES AND CULTURES

Co-Directors: Erwan Hupel (Rennes 2) and Martine Berthelot (UPVD)

The Inter-University Study Group (GIE) Minority Languages and Cultures was created in March 2019 on the initiative of the Breton and Celtic Department of Rennes 2 University. Its purpose is to federate and boost research and teaching activities on minority languages and cultures. Its aim, therefore, is to promote French and international partnerships and to encourage cooperation between researchers (who are too often isolated) around three fields: literature, languages and language learning, and translation studies, cultures and plural identities.

The GIE currently brings together 15 lecturer-researchers spread over four universities: Bordeaux-Montaigne, Rennes 2, University of Pau and the Pays de l'Adour (UPPA), University of Perpignan Via Domitia (UPVD). Four minority language areas are studied: Basque, Breton, Catalan and Occitan. The first research programme on minority language literatures extended this cooperation to other universities in France (including: University of Clermont Auvergne, University of Corsica, and University of Poitiers) and abroad (including: Humboldt-Universität, Berlin, UC Louvain University and Université Sainte-Anne, Canada).

The publishing of the GIE's research is ensured by the Éditions TIR, hosted by the Breton and Celtic Department of Rennes 2 University.

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NETWORK AGAINST RACISM AND ANTI-SEMITISM

The Network against Racism and Anti-Semitism (RRA) brings together, under a contractual framework, research units attached to different institutional partners (universities, French National Centre for Scientific Research (CNRS), associations, public and private institutions). This federative structure, through the decompartmentalization of disciplines and the development of multidisciplinary, will contribute to the emergence of new research projects. Its main objectives are bringing together research units, laboratories and institutional partners around a common scientific strategy. It forms inter-university and multidisciplinary research teams that study specific themes in order to respond to calls for tenders, action-research, European projects, etc. The aim is therefore to pool expertise between disciplines, and to strengthen collaborations between the various constituent units to give their work more visibility and to promote scientific activities and training: dissemination of information and a scientific overview of the data related to these issues.

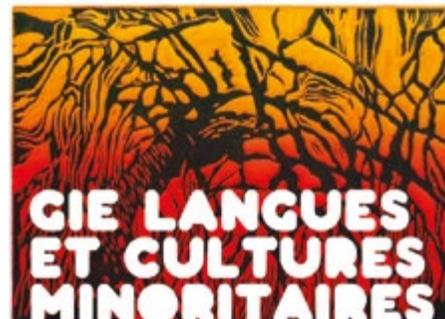


Main missions:

- To establish relations with institutions and associations that, through their activities, exercise civic missions.
- To offer a dynamic research structure to the racism and the anti-Semitism and the secularism referents of the French Ministry of Education, Higher Education and Research.
- To constitute a pool of authentic academic experts to meet the various information and training needs in public services and civil society.
- To organize a working seminar for each team to present their work, as well as a biennial colloquium in the network member universities or institutions.

Through RRA, its partner universities would be eligible to apply for the Diversity Label by AFNOR Certification, that was created in 2008.

In 2019, the Academic Council gave Rennes 2 approval to join this network, which already includes a number of lecturer-researchers from our institution.



HUMAN SCIENCES INSTITUTE IN BRITTANY (MSHB)

Director: Nicolas Thély

Assistant Co-directors: Immaculada Fàbregas-Alégret and Françoise Le Borgne-Uguen

General Secretary: Isabelle Ganzetti-Gémin



The MSHB has been a Service and Research Unit (CNRS label USR 3549) since 2012. It federates Breton research units in the arts, literature, languages, human and social sciences. Created on the initiative of the four universities in Brittany and the French National Centre for Scientific Research (CNRS), the MSHB represents a potential of more than a thousand researchers and lecturer-researchers. It currently has seven founding members: CNRS, EHESP School of Public Health, Institut Mines-Télécom Atlantique, University of Western Brittany, University of Southern Brittany, Rennes 1 and Rennes 2 Universities. The MSHB is one of 23 Human Sciences Institutes (MSH) of the national [MSH](#) network.

Its scientific programme is structured around five thematic areas: Armorica, Americas, Atlantic; Arts & Creation; Governance in Public and Private Institutions; Health & Society; Digital Society.

In this context, the MSHB supports interdisciplinary research projects by awarding a scientific label entitling the applicant to financial support and access to research support services. The project selection procedure is carried out by a labelling committee on the basis of several expert opinions. For nearly ten years, more than 150 projects have received MSHB support and have led to funding from national and European research support operators. Being awarded the MSHB label involves intra-disciplinary and methodologically innovative partnerships in the human and social sciences field, which are based in Brittany and have an international dimension. To respond to major societal challenges, the MSHB encourages the setting up of interdisciplinary projects associating human and social sciences with life and health sciences, natural and environmental sciences, and physical, digital and engineering sciences.



View of the MSHB from Gaston-Berger Avenue.

The MSHB has a technological platform that is made available to the human and social sciences community for use in specific scientific projects and partnerships:

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Created in 2015 within the framework of the CPER 2015-2020, the Digital Humanities Platform is a regional foothold for the Very Large Research Infrastructure ([TGIR](#)) Huma-Num. As Huma-Num correspondent, the Human Sciences Institute in Brittany (MSHB) digital humanities engineer has the following responsibilities: to raise awareness and inform researchers about the TGIR tools and consortia, to support requests for the use of software or storage space, and to follow up locally-developed projects with the Nakala data exposure tool. The Digital Humanities platform is equipped with data digitization and audiovisual production equipment. The provision of this material is aimed at creating a corpus of digital data in line with good practice (data management plan, general regulations on data protection, etc.).

In July 2018, the MSHB launched an editorial unit dedicated to the professionalization and internationalization of human and social science journals in the context of open science. Led by two editors, this unit is also responsible for structuring the "Aide" skills network for journals in the Grand Ouest region of France that are part of the CNRS Regional Delegation "17" (Brittany and Pays de la Loire).

RENNES UNIVERSITY PRESS (PUR)

Director: Pierre-Henry Frangne

Rennes University Press (PUR) is, along with the CNRS, the largest public university publisher in France, and one of the most influential internationally: some 200 scientific works are published each year across 50 collections that cover the broadest spectrum of the human and social sciences. PUR pursues an independent publishing policy, the scientific quality of which is guaranteed by a multidisciplinary editorial committee in which the 11 member universities are represented. It publishes and distributes over 5,000 book titles and some 11 journals in both paper and digital formats (over 1,500 titles on the [OpenEdition Books](#), [Numilog](#) and [Cairn](#) platforms). Its success is notably due to its accomplishments in promoting knowledge and culture, particularly in the fields of history, arts and literature, languages, and all the social sciences (sociology, psychology, political science, etc.).

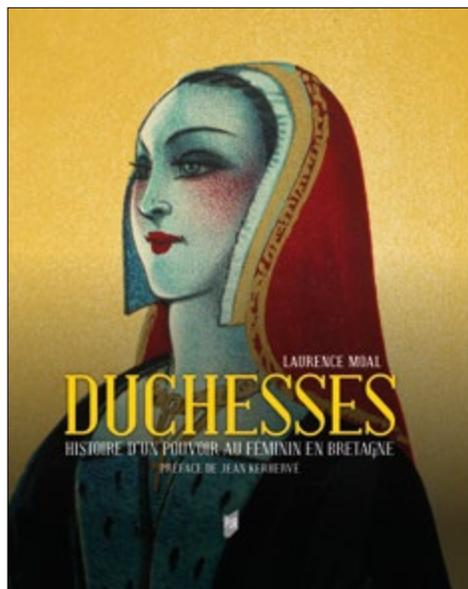
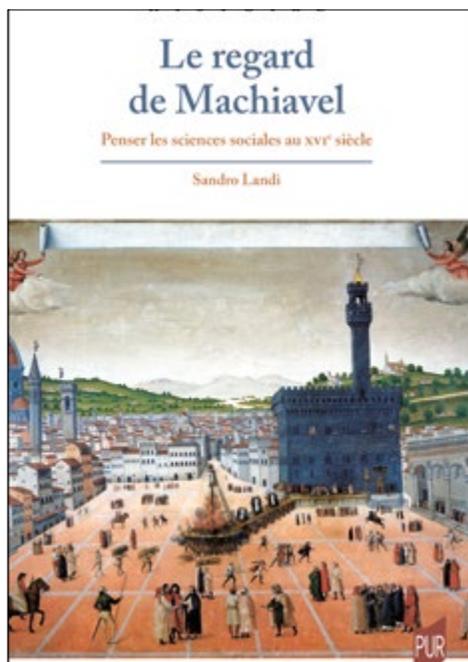


Since January 2004, the Rennes University Press (PUR) has become an industrial and commercial activities service (SAIC) for universities in the Western Atlantic region. Created in 1984 on the initiative of its lecturer-researchers to take ownership

in the publishing and promotion of research outputs, PUR is still a Rennes 2 central service that also strives to be at the service of the institutions making up the new organisation: University of Angers, the universities of Western Brittany (Brest), Southern Brittany (Lorient-Vannes), La Rochelle, Le Mans, Nantes, Orléans, and the Paris-Est, Poitiers and Rennes COMUE (association of universities and higher education establishments). Known for the high editorial standards and scientific quality of its research collections, the Rennes University Press (PUR) also publishes manuals that are grouped in the transdisciplinary collection "Didact". It strives to widely disseminate the humanities and social sciences throughout society. Basic research journals are also available in digital format on the [Persée](#), [OpenEdition Journals](#), [revue.org](#) and [Cairn](#) platforms.

The Rennes University Press website provides detailed descriptions of each title in the catalogue. All of the books can be purchased in bookstores and directly from the website.

⇒ www.pur-editions.fr



RESEARCH PLATFORMS

In the human and social sciences, technological platforms are often, for various and potentially overlapping reasons, based on a somewhat atypical business model: they are part of public policies, they experiment with alternative models, or because at the same time as they respond to a need, they retrieve the data to initiate new research.

POPP-BREIZH

THE PHOTOGRAPHIC LANDSCAPE OBSERVATORY PLATFORM OF BRITTANY

Director: Laurence Le Dû-Blayo

A photographic landscape observatory (OPP) makes it possible to compare several images from the same viewpoint, in the same frame, but at different times. It is a tool for monitoring changes in the landscape and measuring the impact of public policies, with a dimension of openness and participation, by feeding a collective memory in the regions concerned, supporting the construction of a common identity and providing a source for projects.

Brittany is one of the most active regions in France in the deployment of OPPs: the Breton photographic landscape observatory POPP-Breizh is the result of a research programme conducted by the laboratory Spaces and Societies (ESO, UMR 6590), under the responsibility of Laurence Le Dû-Blayo, financed by the regional council of Brittany, and the subject of Caroline Guittet's thesis. Validated in June 2011 by the Regional Landscape Committee, the computerized development of the platform was co-financed by the Regional Council, the Regional Directorate for the Environment, Planning and Housing ([DREAL](#)) and the European Regional Development Fund ([ERDF](#)).

POPP-Breizh allows photographic series to be disseminated and at the same time extensive metadata to be captured that is necessary for analysing landscape diversity and evolution. A participatory component aimed at mobilizing the general public was incorporated into the tool's design (opportunity to contribute to the photographic monitoring of certain series). Supporting the planned services (publishing of the series online, metadata stabilization, dissemination among stakeholders and the public), the platform saw very early results beyond this scope, for two aspects in particular: building a network of stakeholders and sharing innovations. Since 2018, it has been run by the Environment Observatory in Brittany ([GIPOEB](#)) within the Landscape centre and currently includes 18 Photographic landscape observatories (OPP), i. e. , 483 series of photos.

⇒ popp-breizh.fr

IMMERMOVE

Director: Richard Kulpa

The Immermove technological platform was created at the initiative of the M2S (Movement, Sport, Health) laboratory and has become a scientific flagship for the analysis of human movement. It is part of a consortium called [ImmerStar](#) involving Rennes 2 University, the Rennes École Normale Supérieure higher education institution (ENS Rennes), Rennes 1 University, French National Institute for Research in Digital Science and Technology (INRIA) and the French National Centre for Scientific Research (CNRS).

This experimental platform, unique in Europe, brings together one of the largest virtual reality rooms (12 x 4 x 4 metres) coupled with a sports gymnasium (30 x 20 metres) dedicated to scientific experimentation. It is equipped with the latest generation of gesture acquisition tools and has over fifty infrared cameras that capture movements throughout the gymnasium with sub-millimetre precision, two large force platforms, and an electromyographic system for muscular activities. There are also mobile systems such as virtual reality helmets and ergometers to develop future tools for analysing and improving motor performance.

The Immermove platform relies on a multidisciplinary team with combined skills in biomechanics, computer science, mechanics and physiology to capture and analyse human movement in complex situations. Beyond the knowledge obtained from these analyses, simulations of autonomous virtual humans are also developed and used in immersive environments. The goal is to better understand and improve human interactions by using standardized environments that bring together real and virtual humans.

⇒ m2slab.com

DRONE, LAND, REMOTE SENSING (D2T)

Director: Thomas Houet

The objective of the D2T platform is the acquisition of high quality environmental imagery (RGB, multispectral, thermal) through the development of toolchains (in-situ sensors, laboratory equipment such as surface sensing) for the acquisition, processing, calibration and validation of high spatial resolution data for the observation of environmental, landscape and coastal changes.

Its applications relate to many fields: spatial ecology (characterization and monitoring of vegetation or restoration of environments), preventive archaeology, precision agriculture, viticulture, hydrology, etc. The platform's originality lies in the development and implementation of multi-scale methods and analyses to reap the respective benefits of satellite and drone data.

The D2T platform supports research projects and high-level training (TELENVI Master's (Remote Sensing-Environment), PhD), as well as public (local authorities) and private organizations (engineering consultancy firms) through delivering services and supplying cartographic data.

D2T is a CNRS platform hosted at Rennes 2 University in the LETG (Coastline, environment, remote sensing, geomatics) laboratory and integrated into the characterization and monitoring of landscapes and environmental changes activities carried out by the Observatories of the sciences of the universe, Rennes (OSUR).

➔ osur.univ-rennes1.fr/news/creation-de-la-plateforme-drone-d2t • contact: thomas.houet@univ-rennes2.fr

TACIT

TACIT is primarily an online interface for lecturers and speech therapists that enables the evaluation and adaptive training in the in-depth understanding of texts and vocabulary by means of an innovative differentiated pedagogy. TACIT is also a research tool, and the data collected, in compliance with the General Data Protection Regulation (GDPR), allow for studying the factors that modulate the acquisition of implicit understanding and of vocabulary, as well as their interactions. Finally, TACIT crystallizes numerous research training activities for university students and students in speech and language therapy schools.

TACIT is supported by four lecturer-researchers from Cognition, Behaviour and Communication (LP3C), Rennes 2 and the ESPE School of Public Health Saint-Brieuc, a speech therapist and a developer. Validation studies show a positive effect of the use of the platform and several related projects are currently under development (grammatical spelling, English grammar, etc.).

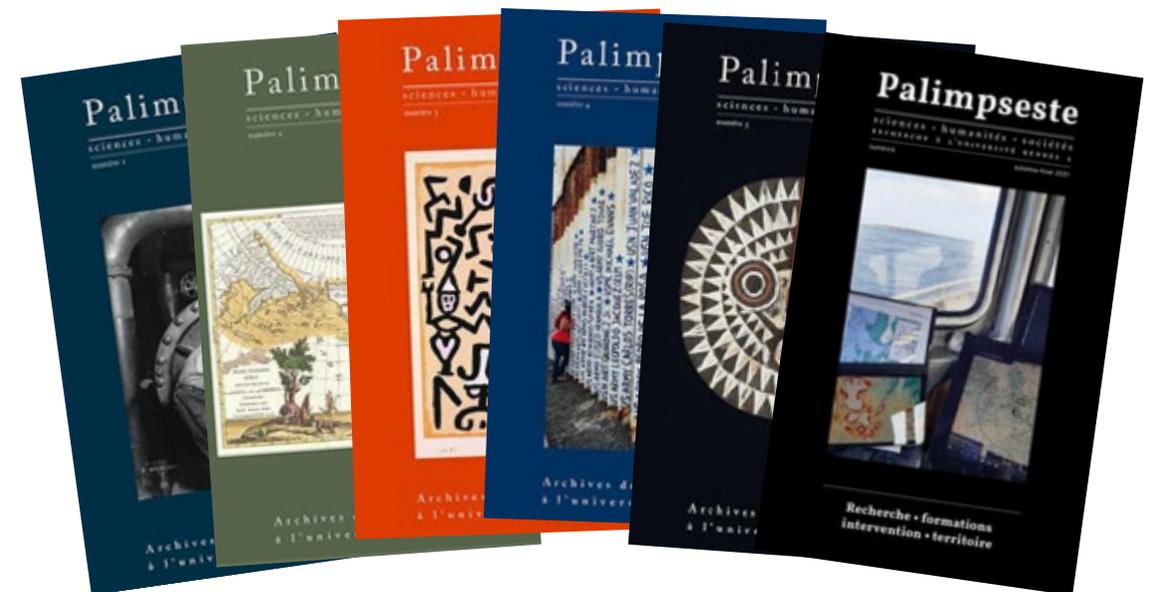
Created with support from Rennes 2, Région Bretagne, the European Regional Development Fund (ERDF) and loans from Rennes Métropole, TACIT is an atypical research valorization model. Access to the platform is paid (€2 per student per year) but on a non-profit basis.

➔ www.tacit.fr • contact: contact-tacit@univ-rennes2.fr

THE JOURNAL "PALIMPSESTE"

Editor: Leszek Brogowski

In March 2019, Rennes 2 University created a journal devoted to the human and social sciences: Palimpseste. Sciences, humanities, societies. The vocation of this twice-yearly journal is to provide information on the research conducted by the lecturer-researchers, researchers and PhD students grouped together within the twenty research units of our institution, sometimes in collaboration with other universities, particularly on the international scene, or with its own departments (documentation, continuing education, MSHB, etc.). Palimpseste is not a scientific journal in the strict sense of the term. Rather, it is a popularization tool, the editorial format of which (volume of articles, image functions, critical apparatus, inserts-definitions, etc.) is adapted to the specific needs of the human and social sciences. Without foregoing the requirements of rigour and scientificity, Palimpseste is committed to readability: the educational articles seek to disseminate scientific knowledge to a much wider readership, while at the same time ensuring inter-knowledge between researchers from different laboratories at the university. Indeed, the work and research topics of all of the university's disciplines and components are presented in the journal, issue after issue. The thematic dossiers are transdisciplinary and are complemented by two sections: Varia and Scientific Heritage. Palimpseste is therefore an important tool in the strategy for promoting scientific culture specific to the fields covered by all of the institution's research units.



[ISSUE #1 ONLINE](#): WHAT IS INNOVATION IN THE HUMAN AND SOCIAL SCIENCES?

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• [ISSUE #2 ONLINE](#): CHANGE OF SCENERY AND COMMITMENT: CONDUCTING FIELDWORK ON OTHER CONTINENTS

•

• [ISSUE #3 ONLINE](#): THE EFFECTS OF DIGITAL TECHNOLOGY ON SOCIETY

•

• [ISSUE #4 ONLINE](#): MARGINS, MARGINALITY, MARGINALIZATION

•

• [ISSUE #5 ONLINE](#): DESIGNING THE "WORLD OF TOMORROW" WITH RESEARCHERS IN THE HUMAN AND SOCIAL SCIENCES

The print version is available free of charge on the Mazier, La Harpe and Villejean campuses (notably at the reception desk of the Main Building and in the university libraries) or on request by writing to: service-communication@univ-rennes2.fr.

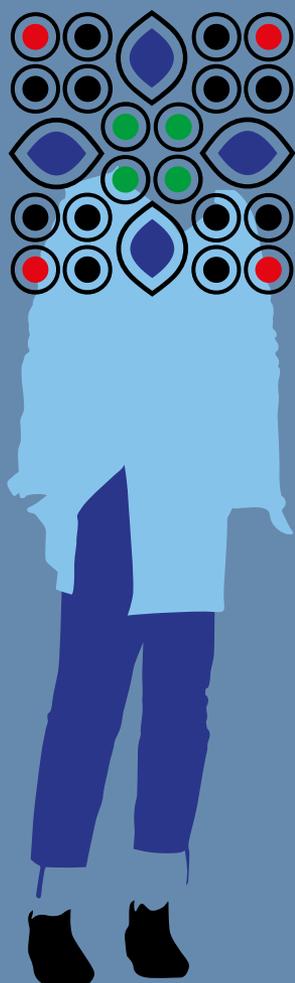
The digital version of the journal can be consulted and downloaded at the following address: www.univ-rennes2.fr/recherche/

RESEARCH AT RENNES 2 BROCHURE

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