



ITEM



Embodying a more responsible and sustainable society, and train all the players involved

ITEM, created in 2020, aims to generate and disseminate new knowledge, shape talent and combine teaching and top-level research to drive the environmental transition, embodying a more responsible and sustainable society. Our actions are focused on 3 major challenges: analysing social and environmental changes, rationalising resources to limit contamination and optimise their use, and ensuring the resilience of societies in the face of environmental risks. The institute's strength lies in its ability to tackle these crucial issues using a resolutely cross-disciplinary approach that overcomes the fragmentation of knowledge and paves the way for developing solutions and changes in practices and usages that can respond to global change.

Forming a community

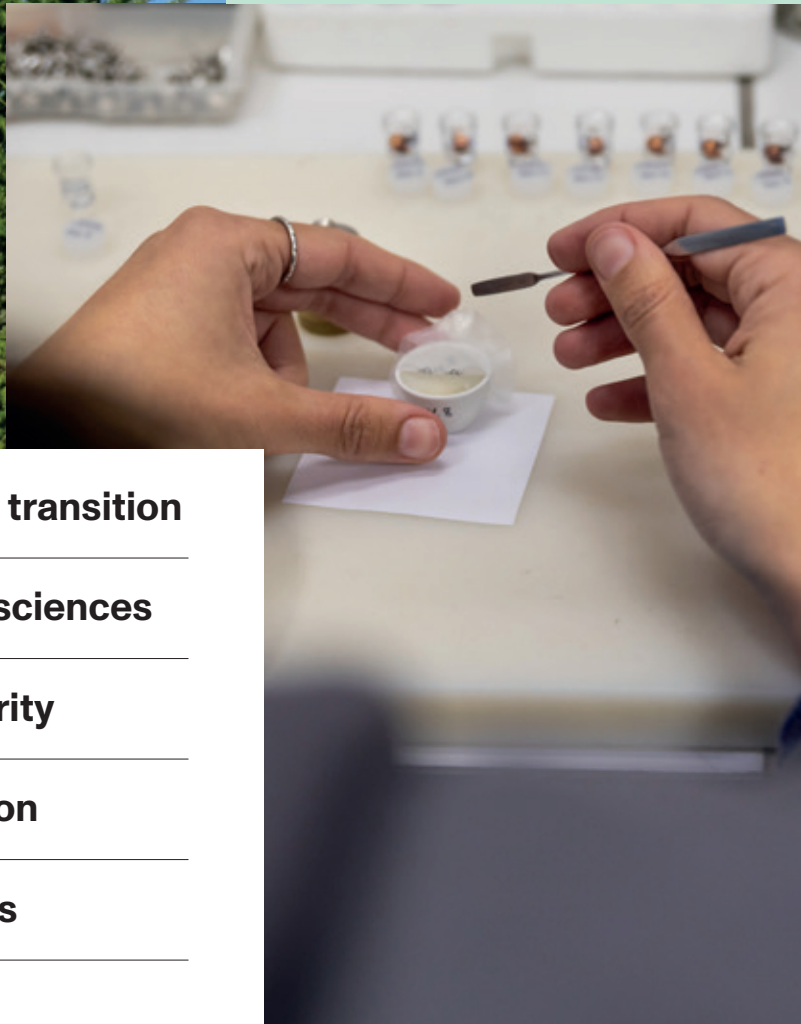
14 research units

7 faculties

4 doctoral schools

more than 250 staff

more than 1 500 students (master and PhD)



Environmental transition

Sustainability sciences

Interdisciplinarity

Research-action

Global changes

Solutions

Bringing disciplines closer together

Physical and chemical sciences

Natural sciences

Humanities and social sciences

Legal sciences

Health

Incentive and incubator
calls for projects

Acting internationally

Doctoral mobility grants

International field schools

Theses under joint supervision
and co-direction

Training through and for research

Professionalisation of training courses
through the annual organisation of
numerous schools and field studies

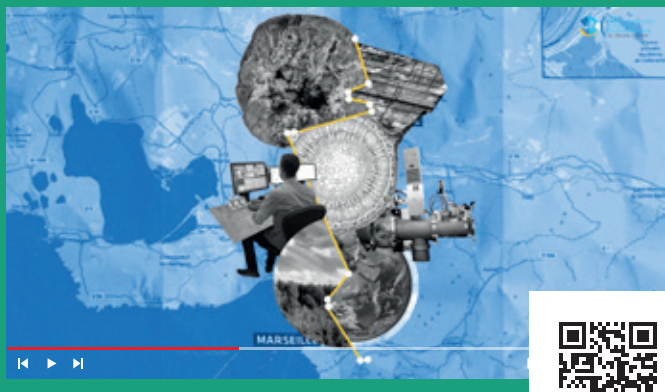
60 months of master's internships
per year funded by ITEM

Funding for theses and postdoctorates

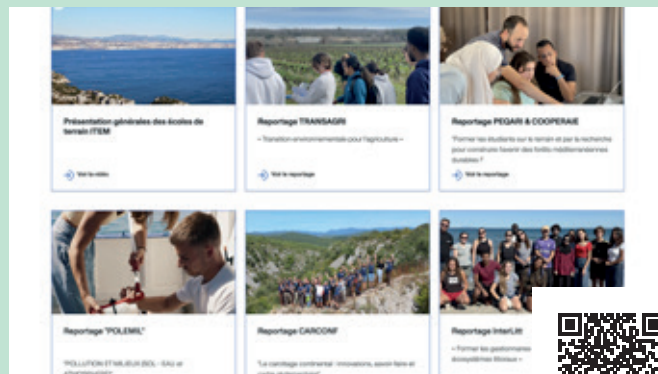
Strengthening partnerships

- GREC-Sud: Climate expert group of the South of France
- CISAM+: Innovation and knowledge hubs on university campuses
- Marseille public university hospital system (AP-HM)
- CNRS Mission for cross-disciplinary and interdisciplinary initiatives (CNRS-MITI)

Videos



Watch the institute's animated film



Discover the video series on our field schools:



Our executive office

The entire governance team: <https://url.univ-amu.fr/institut-item-gouvernance>



Director:
Henri Wortham



Deputy research director:
Catherine Fernandez



Deputy training director:
Franck Torre



Operations manager:
Sophie Pekar

Associate members: **Carole Barthelemy, Pierre Fournier, Samuel Robert**

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Focus on our professional training offers

The environmental transition calls for a profound transformation of professional practices, work organisation and economic models, with the aim of reconciling performance, responsibility and environmental ethics while respecting the limits of our planet. Organisations and companies are therefore required to rethink the way they create value by embracing more sustainable and responsible models that respect living systems.

Against this backdrop, the University Certificate "ACTE - Acteur de la Transition Environnementale" (Stakeholder of the environmental transition), designed by ITEM and delivered in collaboration with several faculties and schools of Aix Marseille Université, equips participants with the knowledge and skills they need to take effective action, both individually and collectively, as professionals and citizens. It is one of the few programmes to offer a genuinely integrated and interdisciplinary approach, combining scientific expertise, an understanding of regulatory frameworks, and practical tools that can be applied immediately to address these transformations in a concrete and effective way.

This short annual certificate programme comprises 66 hours of training delivered over 11 days and is eligible for both public and private funding. Led by experts from the GIEC, an intergovernmental climate expert group alongside experts from the field, it is open to professionals from all sectors (training in French only).





Training at ITEM

*Training for, through and in research, with
continuity from master's to doctorate level*



Our training ecosystem

**more than 1 300
master's students***

7 partner faculties

Pythéas Institute - Observatory for the
sciences of the Universe (OSU Pythéas)

Faculty of arts, letters, languages
and humanities (ALLSH)

Faculty of law and political science (FDSP)

Faculty of sciences (FS)

Institute for public management and
territorial governance (IMPGT)

Mediterranean centre for social
sciences and humanities (MMSH)

Faculty of medical and paramedical
sciences (SMPM)

200 PhD students*

**4 partner doctoral
schools**

Legal and political
sciences (ED 67)

Environmental
sciences (ED 251)

Spaces, cultures,
societies (ED 355)

Economic and management
sciences (ED 372)

**1 interdisciplinary
PhD programme**

24 key masters

Biodiversity, ecology and evolution

Biology-health

Environmental management

Law, urban planning

Geography, planning, environment
and development

History, civilisations, heritage

Public management

Marine, earth and planetary sciences

Sociology

...

* These figures include students enrolled in master's
specialisations affiliated with the institute and PhD
students enrolled in our partner doctoral schools.

Explore our
full range of
training offers:





Our key actions since 2020

Field schools
(professionalisation of training through hands-on experience): 4 editions per year on average

Funded immersion placements in ITEM member laboratories or in a “duo” with a socio-economic structure: 10 six-month internships per year on average.

For PhD candidates: PhD funding and mobility grants

Incorporating the Sustainable Development Goals (SDGs) into training

Annual support scheme for funded interns: interdisciplinary approach, climate mural training...

35 field schools

394 students

60 internship months per year

10 state-of-the-art platforms and observatories

8 theses “Transition in Action call for projects”

5 doctoral mobility grants per year

1 professional training programme leading to the University Certificate “ACTE - Acteur de la Transition Environnementale” (Stakeholder of the environmental transition): a 66-hour annual programme delivered over 11 days

“Along with providing high-quality theoretical training, the MAEVA Master's degree offered by ITEM includes many professional experiences. I was specifically able to take part in a field school on pollution (POLEMIL) and a summer school in Indonesia in partnership with UMRAH, which dealt with practical issues. All this enabled me to move on to doing a thesis at LCE, the Laboratory of environmental chemistry.”



Mathieu Dumas
Doctoral student, Laboratory of environmental chemistry

Contact

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Franck Torre

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Our international training initiatives

CIVIS alliance
European civic university

2 international field schools
(partnership in Sicily, international cooperation agreement with Indonesia)

Theses under joint supervision or co-direction with other countries (Spain, Morocco)

51 nationalities
among our students

5 awards
for doctoral mobility per year

Research at ITEM



*Joining forces to become a key
environmental transition stakeholder*



Our research ecosystem

14 research units

Environment

European research and teaching centre
in environmental geosciences (CEREGE)

Comparative and European
international law (DICE)

Study of structures, adaptation processes
and changes in space (ESPACE)

Mediterranean institute of marine and
terrestrial biodiversity and ecology (IMBE)

Laboratory of environmental
chemistry (LCE)

Interdisciplinary laboratory for
urban planning (LIEU)

Population environment
development laboratory (LPED)

Mediterranean institute of
oceanography (MIO)

Risks, ecosystems, vulnerability,
environment, resilience (RECOVER)

Energie

Biosciences and biotechnologies
institute of Aix-Marseille (BIAM)

Humanities

Aix-Marseille centre for
management studies and
research (CERGAM)

Laboratory for social
psychology (LPS)

Mediterranean centre for
sociology, political science
and history (MESOPOLHIS)

Time, space, language in
southern Europe and the
Mediterranean (TELEMMe)

more than 250 staff

Aix Marseille Université
CNRS
Collège de France
INRAe
IRD
SciencePo Aix
Avignon University
Toulon University



Our key actions since 2020

Support for key themes: energy transition, sustainable water and waste management, sustainable land use, biodiversity dynamics, green cities, multiple risks.

Funding for 14 integrated and innovative interdisciplinary and cross-functional research projects

An annual call for interdisciplinary, integrated and innovative projects, each with 2 grants (PhD and/or PostDoc) and an operating budget

Recruitment of 7 PhD students, 9 postdoctoral students and 4 PhDs funded by partners in ITEM projects

1 CIFRE thesis with an economic partner,

1 inter-doctoral school thesis,

1 joint supervision thesis,

1 co-direction thesis

Annual "Incubator" call for projects to test innovative research themes or concepts: 5 funded projects each year

10 state-of-the-art platforms and observatories

Our main areas of research

The institute's research stands out for its commitment to tackling the fundamental issues linked to changes in societal practices and customs that are essential if we are to move towards a more responsible and sustainable society. The holistic approach, which is both cross-disciplinary and cross-sectoral, can be broken down into the following 3 areas:

- Analysis of socio-environmental changes for a transition strategy
- Resource management for environmental transition
- Resilience of societies to risks within a context of transition

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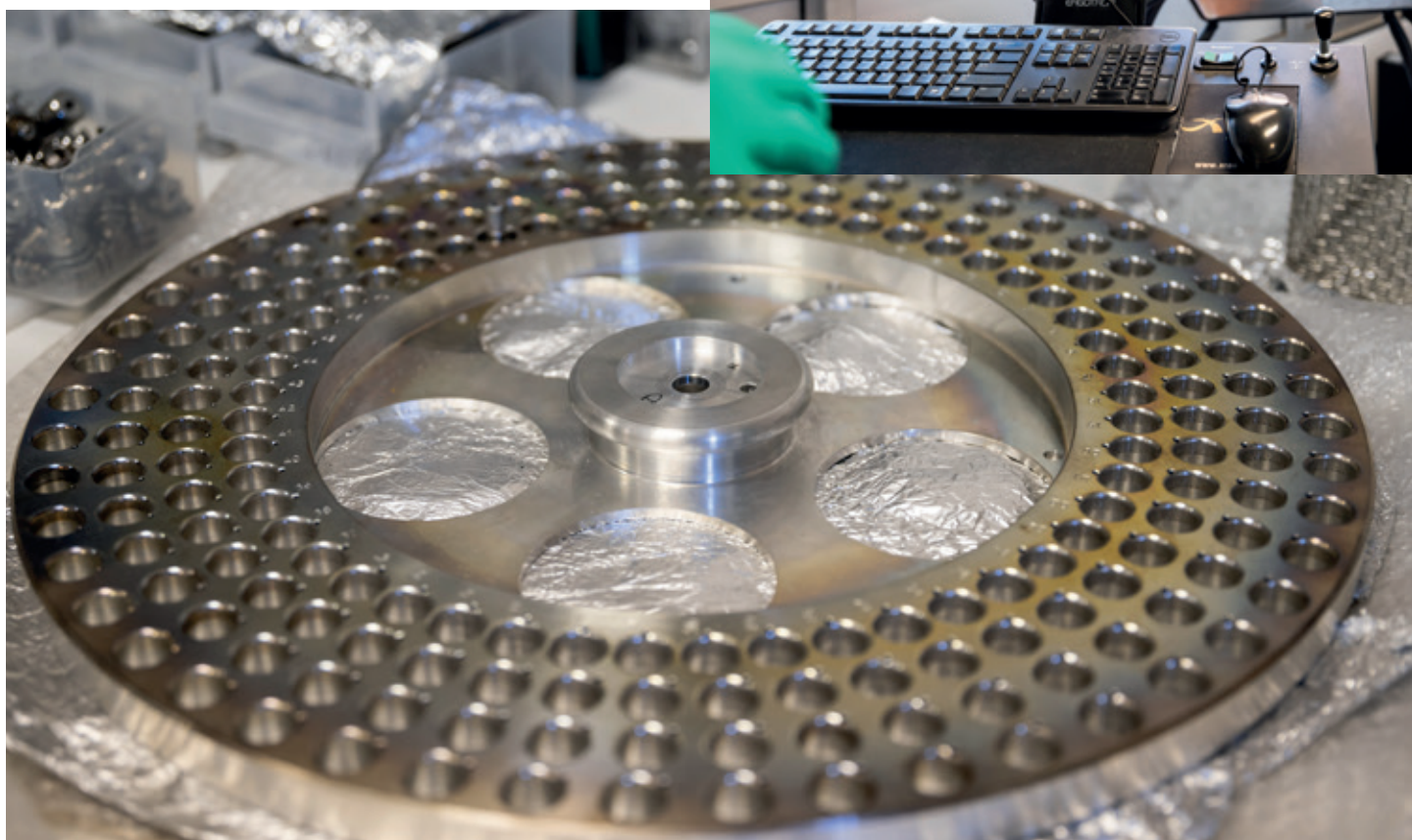
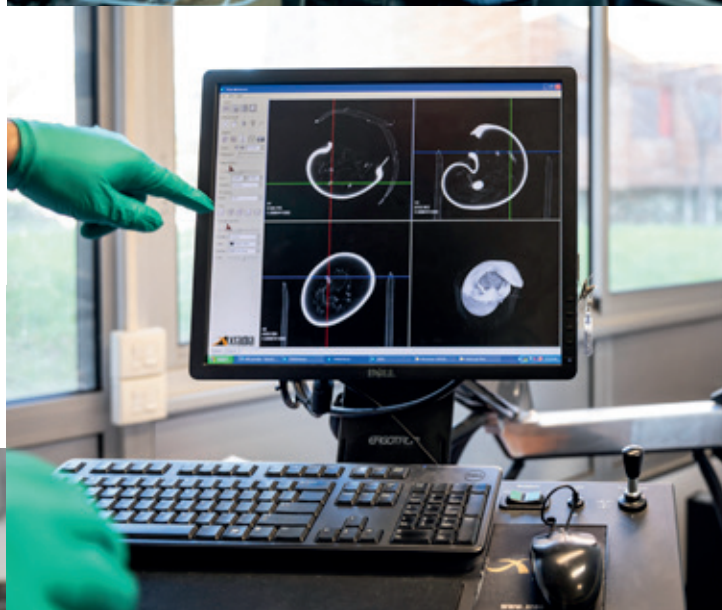




"Funding from ITEM enabled me to head up the ALCOVE project, providing significant progress in our understanding of the impact of sustainable wine-making practices on the soil-vine continuum. Its success is based on genuine synergy between environmental sciences (biotechnologies, chemistry, ecology and genotoxicology) and humanities (psychosociology, geography). This project is perfectly anchored in the socioprofessional sphere, helping to get new paradigms and practices adopted to meet the challenges of environmental transition."



Anne Marie Farnet Da Silva
Senior Lecturer HC, HDR, IMBE PI
of the ALCOVE project (Agriculture
bioContrôle bioFertilisant Viticoles)



ITEM partnerships



Strengthening and developing special links with academic and institutional players and the socio-economic and cultural world

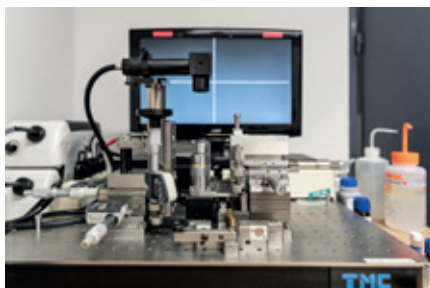


"ITEM has supported the RapMed automatic plankton recognition project, combining the expertise of CEREGE in geosciences and AI, and MIO in oceanography. This collaboration has generated new methods, which will be used in the Amidex Transfer "MicroTree" project with the ATG Technologie robotics SME to create an automated microparticle sorting platform."



Thibault de Garide
CNRS researcher at
CEREGE, RapMed
project initiator

Our key actions



Participation in calls for projects to transfer research to industry

Involvement of our partners in master's development boards

Involving our partners in field schools (pollution, urban wasteland, energy transition, etc.)

Organisation of meetings between academic and socioeconomic players (themes: urban wasteland, nature in the city, sobriety, etc.)

Funding of "duo internships" (lab + socio-economic structure) to strengthen a cross-sectoral perspective



©AM Farnet Da Silva

Our key partners include

Internationally

Spanish national centre for scientific research (CSIC)

Rabat School of Mines

Valencia Museum of Fine Arts

National Art Museum of Catalonia, Barcelona

Rhode Island School of Design Museum

Caddi Ayad University

KASLIK University Lebanon

Mohammed V University

In France

ADEME

ATG Technologies

CEA

CNRS

Inserm

In the Aix-Marseille area

AP-HM

ABO Group ERG environnement

Durance-Luberon-Verdon Agglomération

Terre et Humanisme Association

ATMO SUD

Cap Énergies

Centrale Marseille

Regional Chamber of Agriculture

CISAM+

Cité de l'Agriculture

VASCO Consortium

Département CD13

DREAL

Environnement investigation

CAPRI associative farm...



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The ITEM institute
brings together
teams on 12 university
and scientific sites



Cadarache site

MEGA site

Main site: Arbois
technology park



Saint-Jérôme site



Saint-Charles site



Timone site



Toulon

Nice

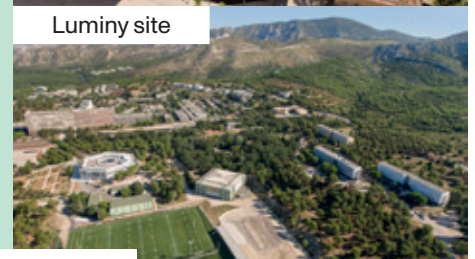
Jas de Bouffan site



Schuman site



Luminy site



The Aix Marseille Université institutes are coordinated by the Amidex foundation

amidex Aix
Marseille
Université



Aix Marseille Université institutes: facilitators to strengthen the research-training link, interaction with the economic and cultural world, interdisciplinarity and internationalisation around twenty or so strategic fields of research. Their core unifying role: training a new generation of academics to meet the scientific and societal challenges of our time!

The Aix-Marseille Excellence Initiative, a consortium between Aix Marseille Université and 8 partners

amU Aix
Marseille
Université



Inserm



Centrale
Méditerranée

sciencespo.aix

Hôpitaux
Universitaires
de Marseille

ap
hm
INSTITUT PAOLI-CALMETTES
unCancer Marseille