

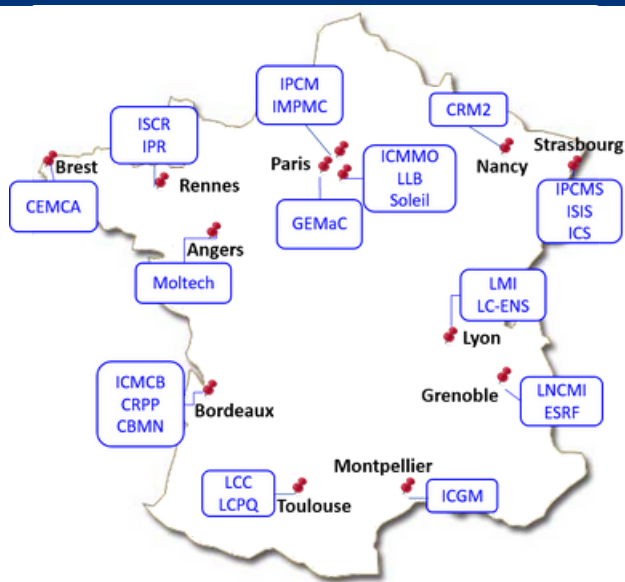
AM² IN NUMBERS

- 27 research labs involved
- ~ 200 researchers

Partnership with:

- Magnetism and Magnetic Resonance group from the French Society of Chemistry
- French Association of Electron Paramagnetic Resonance
-  Quantum Design

Map of the members' labs



WHY JOIN AM²?

- To affirm your commitment to the community
- To participate in the development of topics related to molecular magnetism, molecular switching and chemistry of functional materials
- To support the association's promotional activities
- To strengthen the influence of the French community at international level
- To benefit from the association's support: awards, scientific missions, network

CONTACT US



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French Association of Molecular Magnetism



THEMATIC AXES

- Molecular engineering
- Shaping of molecular materials
- Multifonctionality and hybrid materials
- Molecular electronic and spintronic
- Multi-scale and multi-constraints instrumentation
- Multi-scale theoretical modelling

ACTIVITIES

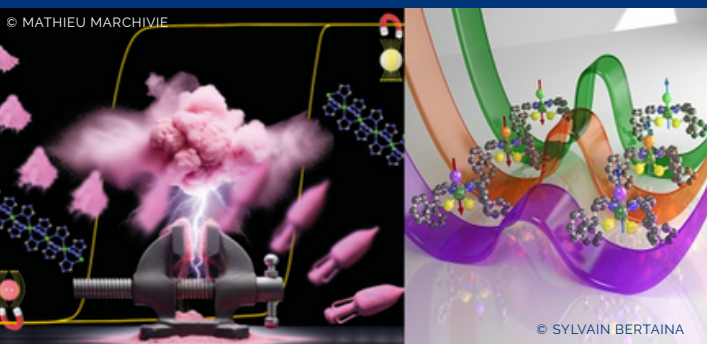
- Annual meetings focused on young scientists
- A school every two or three years.
- Thematic workshops
- Thematic meetings with other communities
- Funded scientific missions
- Thesis or conference prizes
- Special issues in journal

OBJECTIVES

For tomorrow's materials to become part of everyone's daily lives, offering flexibility, functionality and efficiency, chemists and physicists must develop and study new molecules today.

With coordination chemistry at the heart of its activity, the AM² community gathers the expertise of chemists, physical chemists, theorists and physicists from French laboratories and large facilities (synchrotron, neutron, XFEL, NMR, EPR, etc.) to develop smart materials based on molecular magnetic and switching properties.

Our actions support young researchers and promote collaborations between the members.



OUR GOALS

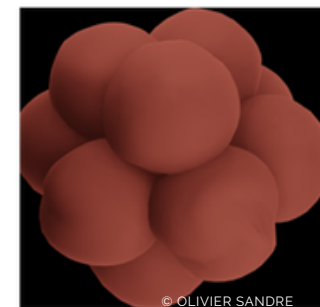
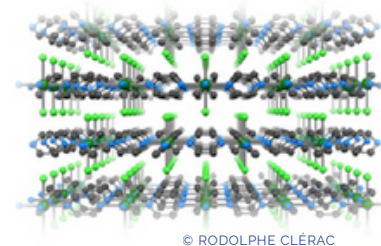
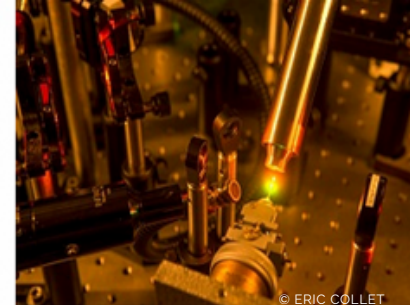
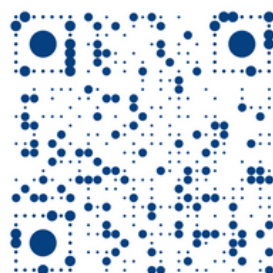
Promote
 molecular magnetism, from molecules to complex assemblies, involving chemists, physicists and engineers

Unite
 the French teams working on molecular magnetism through dissemination of information and meetings

Raise awareness and train
 young researchers in molecular magnetism, from synthesis and experimental characterizations to theory and data modelling : specialized schools, continuing education initiatives, PhD awards

Represent
 the "MolMag" community at the French, European, and international levels

Stimulate
 exchanges with other communities and learned societies



PROSPECTIVES

We are currently witnessing outstanding growth in the field of molecular magnetism and switching, in which the AM² community is playing a significant role.

This field is diversifying in terms of synthesis of multifunctional materials and the increasingly complex physical processes at work.

Real-world applications are coming to reality, with new developments including room-temperature magnets, magneto-electric couplings, ferro-electricity, smart pigments, applications in biology, switchable electronic devices, molecular spintronics, solid-state refrigeration...

All of these developments have benefited from the strengthening interactions between chemists, physicists, and theoreticians at the core of AM².