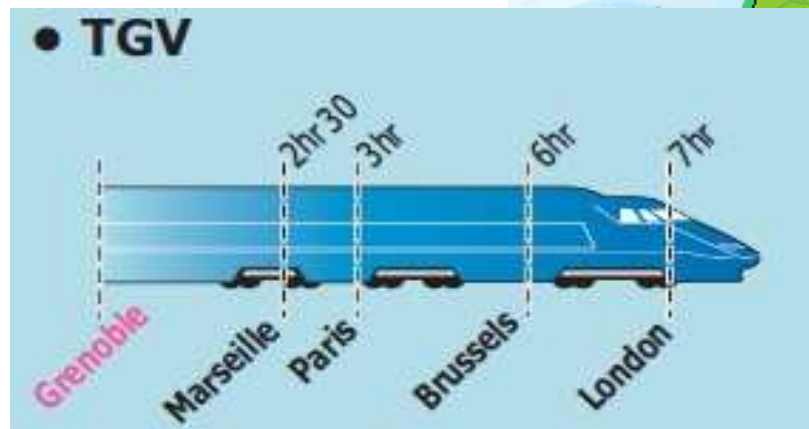
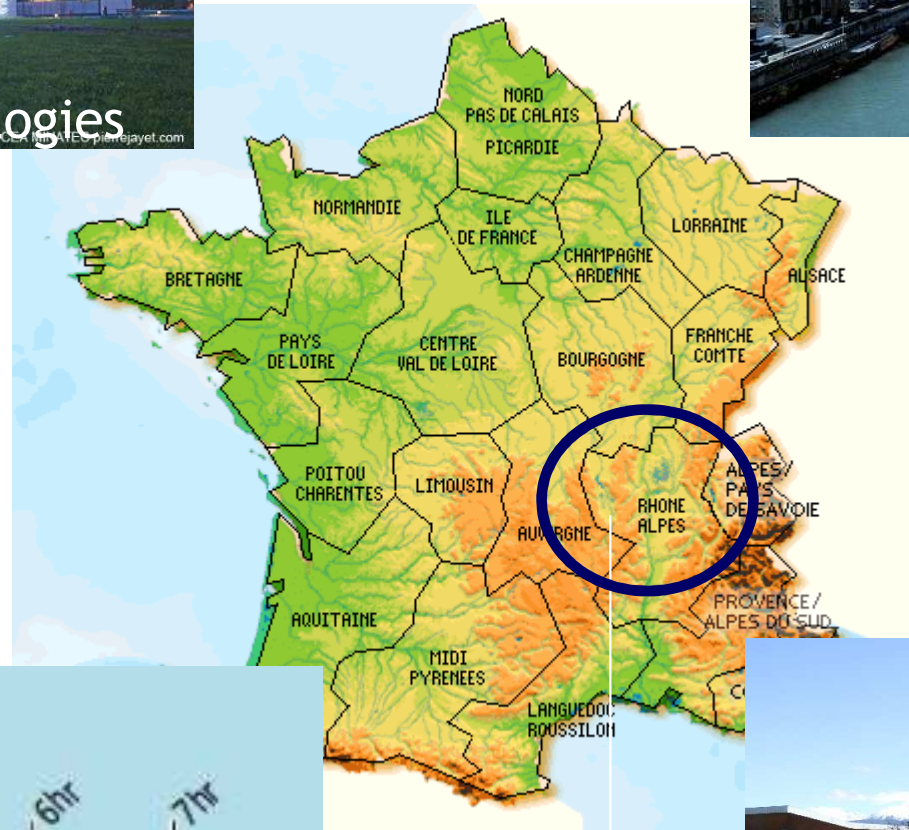




EMNano+ Master Program @ University Grenoble-Alpes

General Informations about Grenoble and UGA





Grenoble





Grenoble

400 000 people

1 out 5 is a student

25 000 R&D jobs

France's highest concentration

200 research Lab's

European
Research Facilities



Grenoble

400 000 people

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France's highest concentration

museums, theaters

Jazz festival (Vienne)

10 ski resorts < 40km

Major area for research, advanced technologies and higher education...



60 000 students
9000 international students

7500 staff member

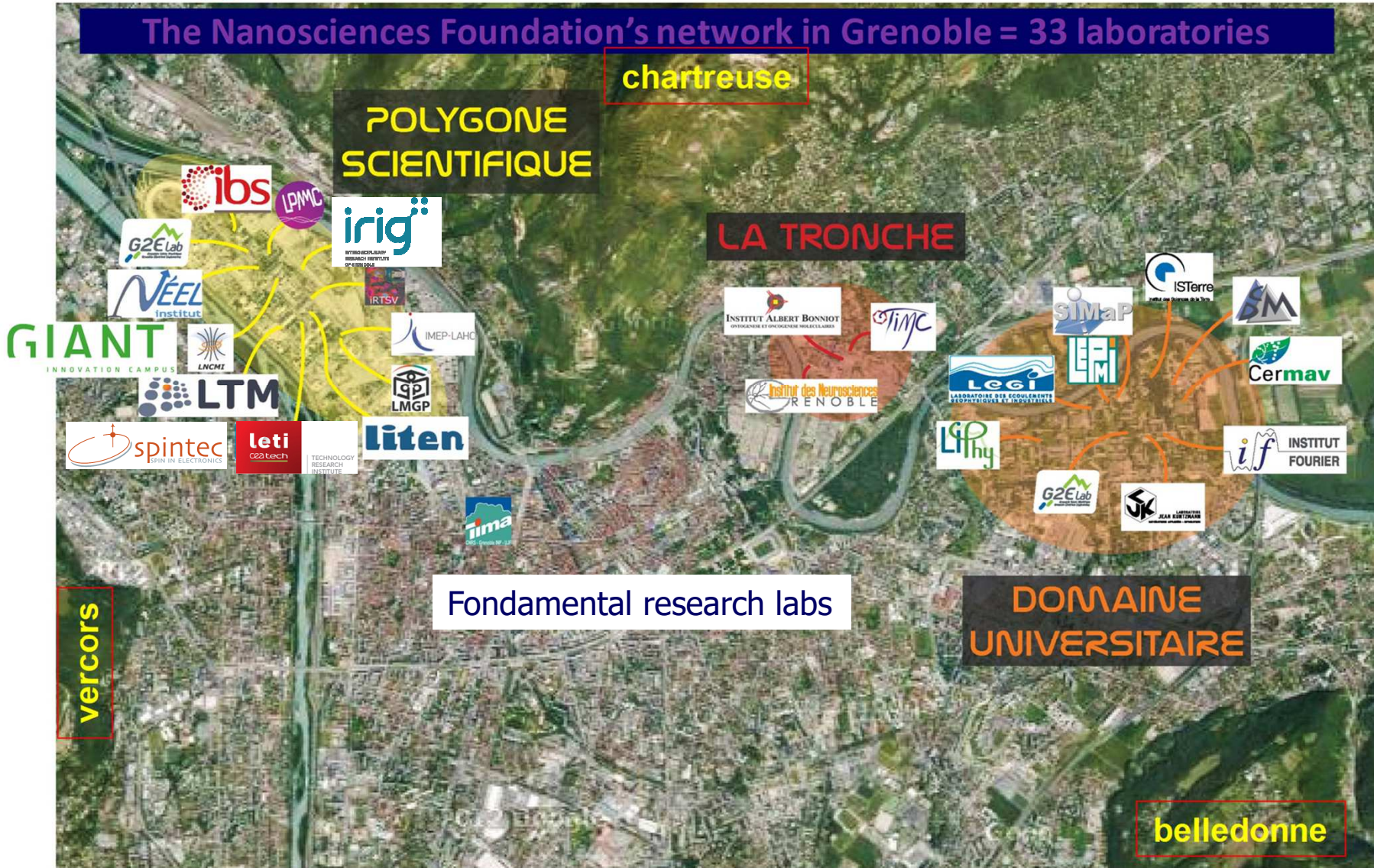
23 international
Master's programs

1st University in France
in 11 fields including
Nanoscience-Nanotechnology

<https://www.univ-grenoble-alpes.fr/university/>



Since January 2020: UGA is the aggregation of the former Université-Grenoble Alpes and the most prestigious higher education in Grenoble : Grenoble INP Institute of Engineering and Management, Sciences Po Grenoble, School of Political Studies and ENSAG School of Architecture.



The Nanosciences Foundation's network in Grenoble = 33 laboratories



Academic Research laboratories in Nanoscience-Nanotechnology

- More than 33 academic laboratories affiliated to CNRS, UGA or CEA working in Nanoscience (check directly using acronyms shown in last pages)

(few of them are listed in <https://master-nanosciences.univ-grenoble-alpes.fr/projects-and-research/>)



- 4 European facilities: ESRF, ILL, EMBL, EMFL:



EMBL



- Micro-nanoelectronics: CEA Leti, CIME Nanotech, PFNC platforms, ...



TECHNOLOGY
RESEARCH
INSTITUTE



- 3 Laboratories of excellence (federative actions for research including PhD programs)

- **Labex Gral:** Grenoble alliance for integrated structural and cell biology (Molecular machines dynamic, self organization of Living Systems: <https://www.labex-gral.fr/ongoing-call/>)



- **Labex Lanef:** Photonics, spintronics, nanoelectronics, energy, cryogeny, nanosensors, nanomaterials... <http://www.grenoble-lanef.fr/>



- **Labex Arcane:** Biology/chemistry interface, bio-inspired chemistry, <https://www.labex-arcane.fr/en>



- 3 European doctoral schools: Esonn, Hercules, Erca

New research topics and links with industry...



Quantum engineering in Grenoble, <https://quantum.univ-grenoble-alpes.fr/>

Quantum calculation, quantum sensing, theory & Industrial innovative board...

- QuantECA joint group (CNRS,CEA,UGA)



<https://www.quantumsilicon-grenoble.eu/>

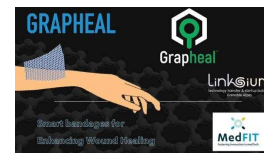


- French QUANTUM strategy: launched January 9th: 3 quantum hubs in France: Paris, Saclay and **Grenoble**
https://forteza.fr/wp-content/uploads/2020/01/A5_Rapport-quantique-public-BD.pdf

- Large R&D companies



- Many Start-ups related to nanoscience



and others,

PhD offers after the Master...

- Many academic laboratories in Nanophysics, Nanochemistry and Nanobiotechnology.

See **individual laboratory web pages** (some links can be found below)

<https://master-nanosciences.univ-grenoble-alpes.fr/projects-and-research/>

- Laboratories of excellence (federative actions for research including PhD programs)

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- **Labex Lanef**: Photonics, spintronics, nanoelectronics, energy, cryogeny, nanosensors, nanomaterials...
<http://www.grenoble-lanef.fr/>

- **Labex Arcane**: Biology/chemistry interface, bio-inspired chemistry, <https://www.labex-arcane.fr/en>

- CEA Grenoble Laboratories: Nanoscience, condensed matter, engineering science, life science...

<http://www-instn.cea.fr/en/education-and-training/research-training/phd-programs/list-of-thesis-subjects.html>