



RÉPUBLIQUE
FRANÇAISE

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Inserm



La science pour la santé _____
_____ From science to health

Inserm presentation





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La science pour la santé
From science to health

Inserm is the only public
research organization in France
entirely dedicated to health.





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La science pour la santé
From science to health



Our objective: to promote
the health of all by advancing
knowledge on living organisms
and their diseases, and by
developing innovation.



Content

- Address major biomedical research challenges
- Take action to improve the health of all
- Disseminate knowledge for the benefit of all



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Address major biomedical
research challenges



Be a reference in biomedical research



In Europe and worldwide

- 7,000 international cooperation agreements with 106 countries
- 2 thematic coordination programs, 12 new first-step projects and 12 new European and international research projects or networks
- 2 joint research units abroad

In France

- 269 research units
- 34 clinical investigation centers
- 48 service units



14,180 staff

- 5,025 civil servants (2,166 researchers, ATIP-Avenir contracts included)
- 3,423 contract staff and temporary workers (incl. ATIP-Avenir contracts)
- > 50 ATIP-Avenir contracts
- 5,732* teacher-researchers and hospital teachers

A budget of €1,060 million

€681 million from government subsidies and €379 million from internal resources



Patents and licenses

- A portfolio of 2,340 patent families
- 126 new license agreements signed
- 307 R&D partnerships

Be a reference in biomedical research (2)



In Europe

- No. 1 academic applicant in the biomedical sector in Europe
- No. 2 European applicant in the biotechnology sector
- No. 2 European applicant in the pharmaceutical sector

Horizon Europe launch and 2021 results:

- ERC: 17 individual grants, 2 participations in Synergy Grants
- Marie Skłodowska Curie Actions: 5 individual grants, 3 doctoral networks, including 1 coordination
- Health Cluster: 11 projects funded, including 3 coordinations
- EIC: 5 projects, including 1 coordination

Horizon 2020 results:

- 1st coordinator of the Health societal challenge
- 396 contracts, including 83 grant recipients and 53 Marie Skłodowska-Curie individual grants



Close dialogue

with over 500 patient organizations for

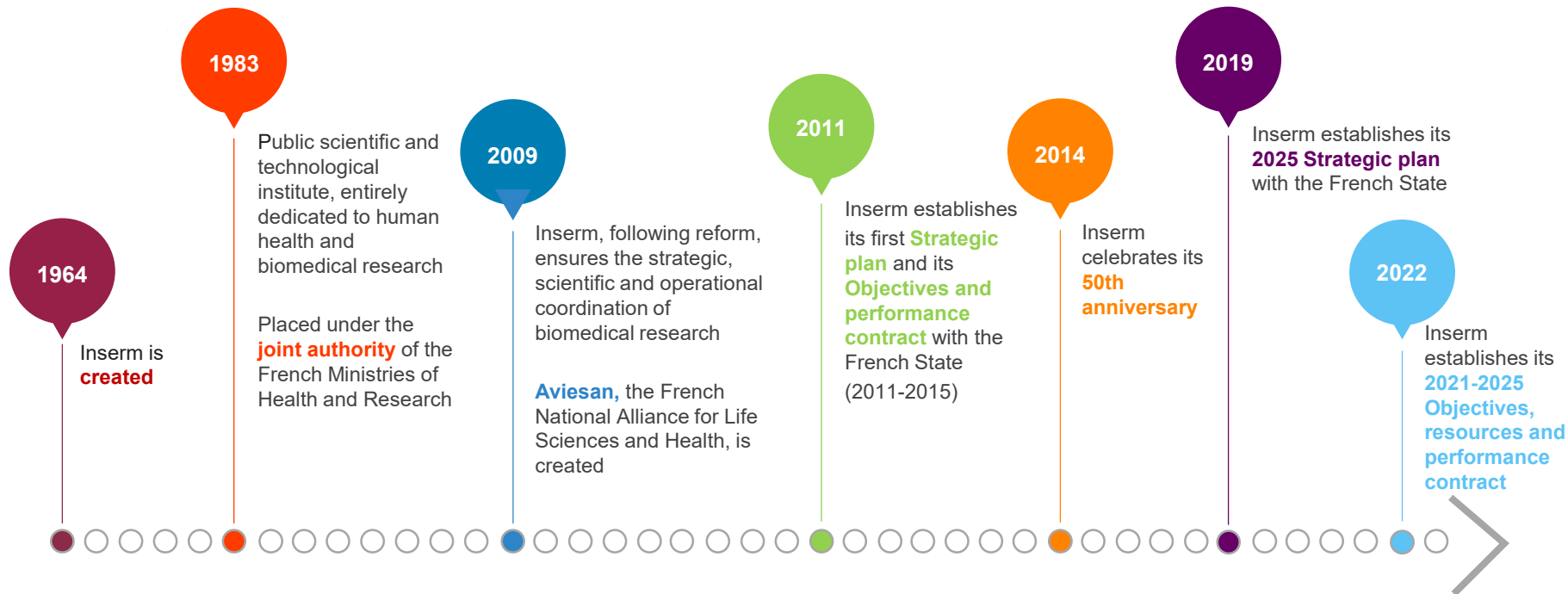
- participatory research
- meetings and debates between patients and researchers



11,936 original articles

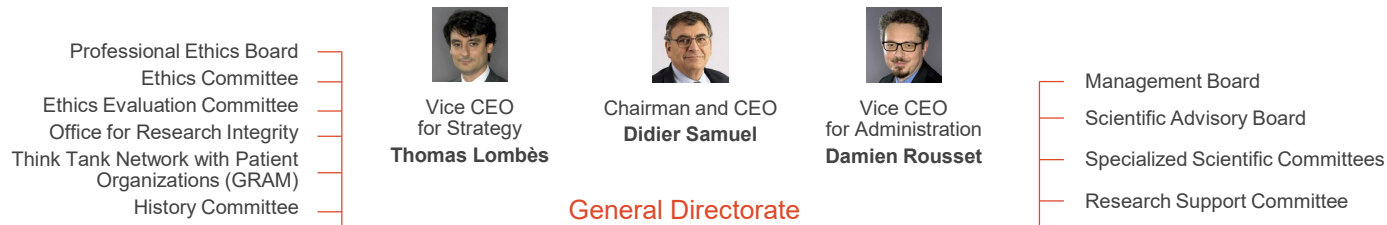
- Address major biomedical research challenges

Make changes to adapt



- Address major biomedical research challenges

Our organization



Thematic institutes

- Cancer
- Cell biology, development and evolution
- Genetics, genomics and bioinformatics
- Health Technologies
- Immunology, inflammation, infectious diseases and microbiology
- Molecular and structural basis of living organisms
- Neurosciences, cognitive sciences, neurology, psychiatry
- Pathophysiology, metabolism, nutrition
- Public health

Divisions

- Communication
- Financial Affairs
- Human Resources
- Information Systems
- Legal Affairs
- National and Foreign Affairs
- Open Science
- Program Assessment
- Strategic Program
- Accounting Department

Regional Offices

- Auvergne-Rhône-Alpes
- Est
- Grand Ouest
- Île-de-France (4)
- Nord-Ouest
- Nouvelle-Aquitaine
- Occitanie Méditerranée
- Occitanie Pyrénées
- Provence-Alpes-Côte d'Azur and Corsica

- Address major biomedical research challenges

Our presence in France

269

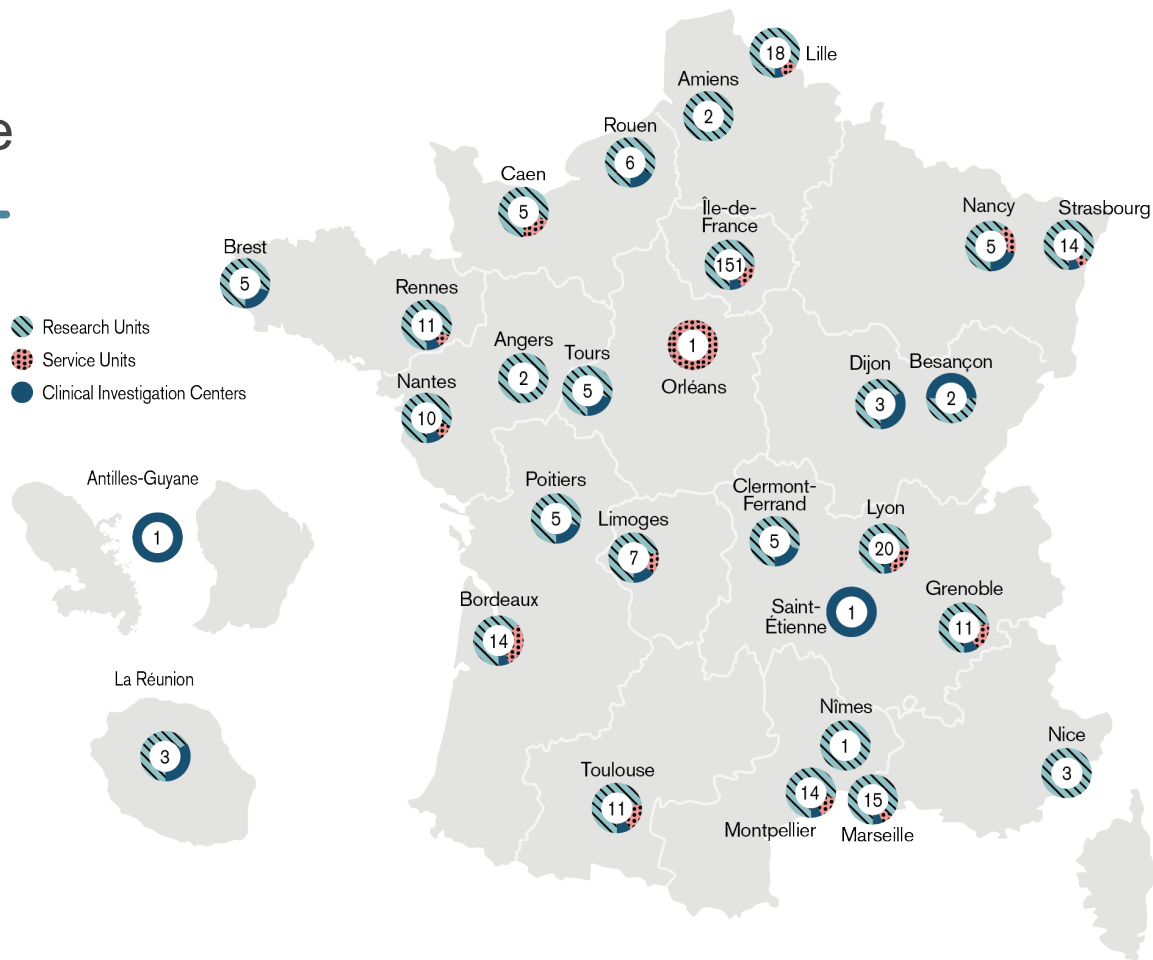
research
units

48

service
units

34

clinical
investigation
centers



- Address major biomedical research challenges

Our presence in France (2)

85% | of Inserm
Strengths in...

14 | research universities,
in which Inserm
invests more than €10M
each year








Our main partners

- **35** universities
- A key partner of **14** research universities in which Inserm invests more than €10M each year
- On **14** Idex and I-sites, Inserm invests **85%** of its resources
- Research units in **29** teaching hospitals
- Founding members of Aviesan alongside Inserm: CEA / CNRS / France Universités / INRAE / Inria / Institut Pasteur / IRD / Réseau CHU and the associate members
- Other alliances: AllEnvi, Allistène, Athéna
- Industry: Astra Zeneca/MedImmune, Dassault System 3DS, MSD Avenir, Sanofi...
- Foundations and associations: Fondation Bettencourt Schueller, FRM...
- European and international academic institutions: Helmholtz...

- Address major biomedical research challenges

Our presence in Europe

- Research teams: informal **scientific cooperation** with their partners
- Institutional **partnership agreements** and **specific collaborative networks** in Europe: 5 European laboratories within 2 thematic coordination programs, 12 leading international research projects (IRP), 2 within a single international research network (IRN), and 9 leading first step projects

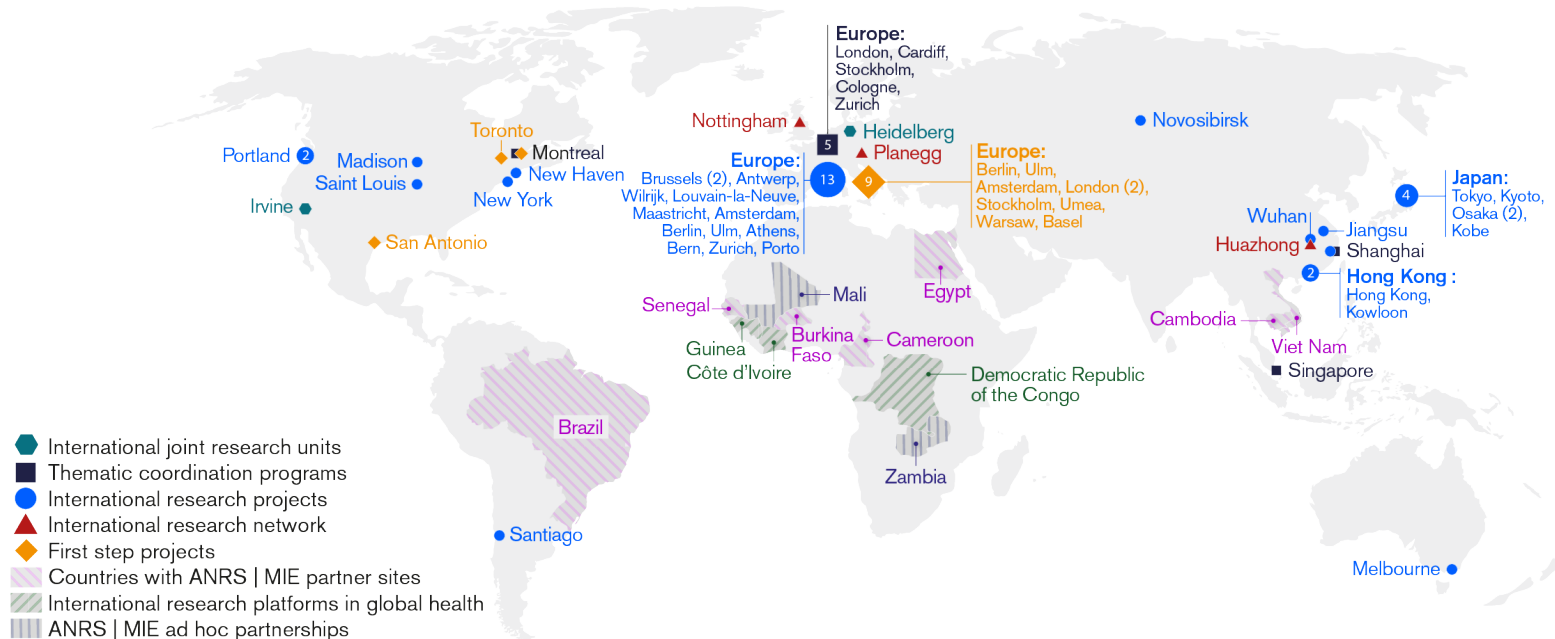
-  International joint research unit
-  Thematic coordination programs
-  International research projects
-  International research network
-  First step projects



- Address major biomedical research challenges

Our presence in the world

- Research teams: informal **scientific cooperation** with their partners
- Institutional **partnership agreements** and **specific collaborative networks** outside Europe: 3 non-European laboratories within 2 thematic coordination programs, 19 leading international research projects (IRP), 1 within an international research network (IRN), and 3 first step projects





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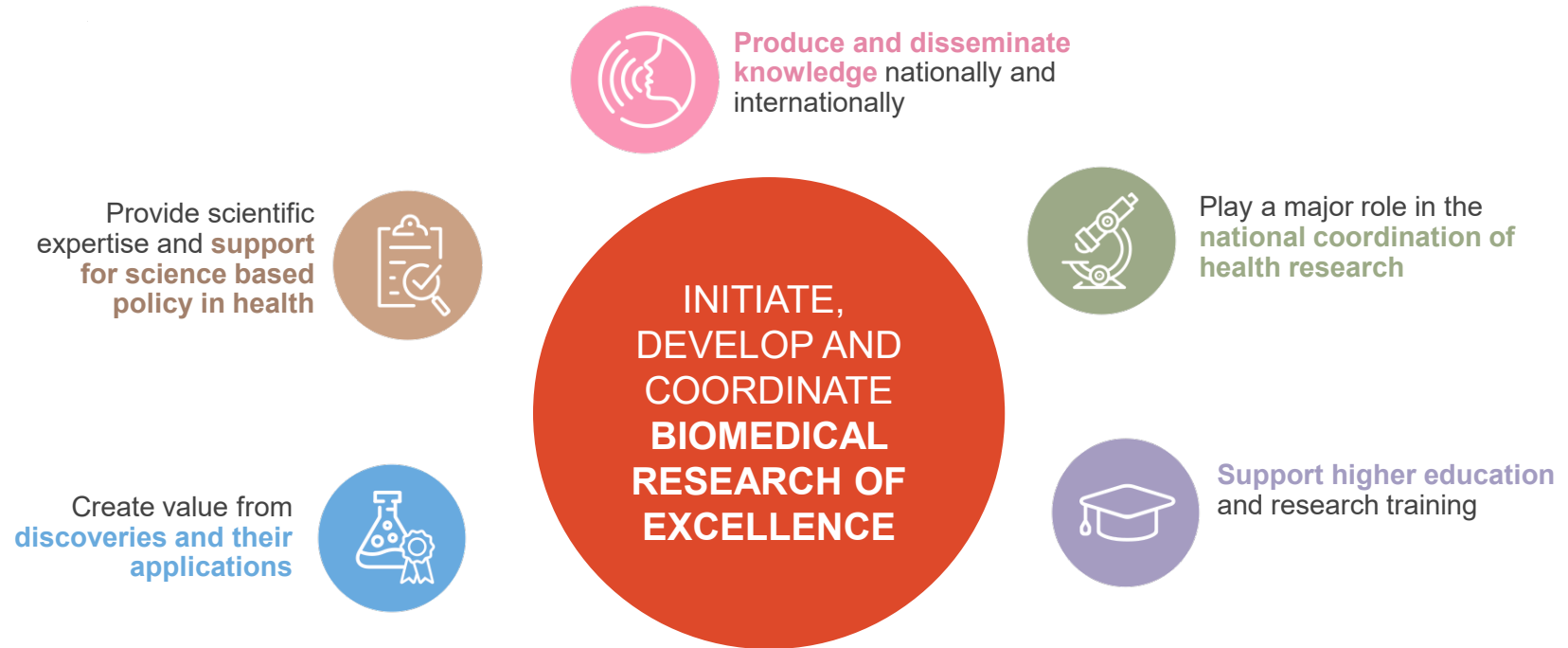
La science pour la santé _____
_____ From science to health

Take action to improve
the health of all

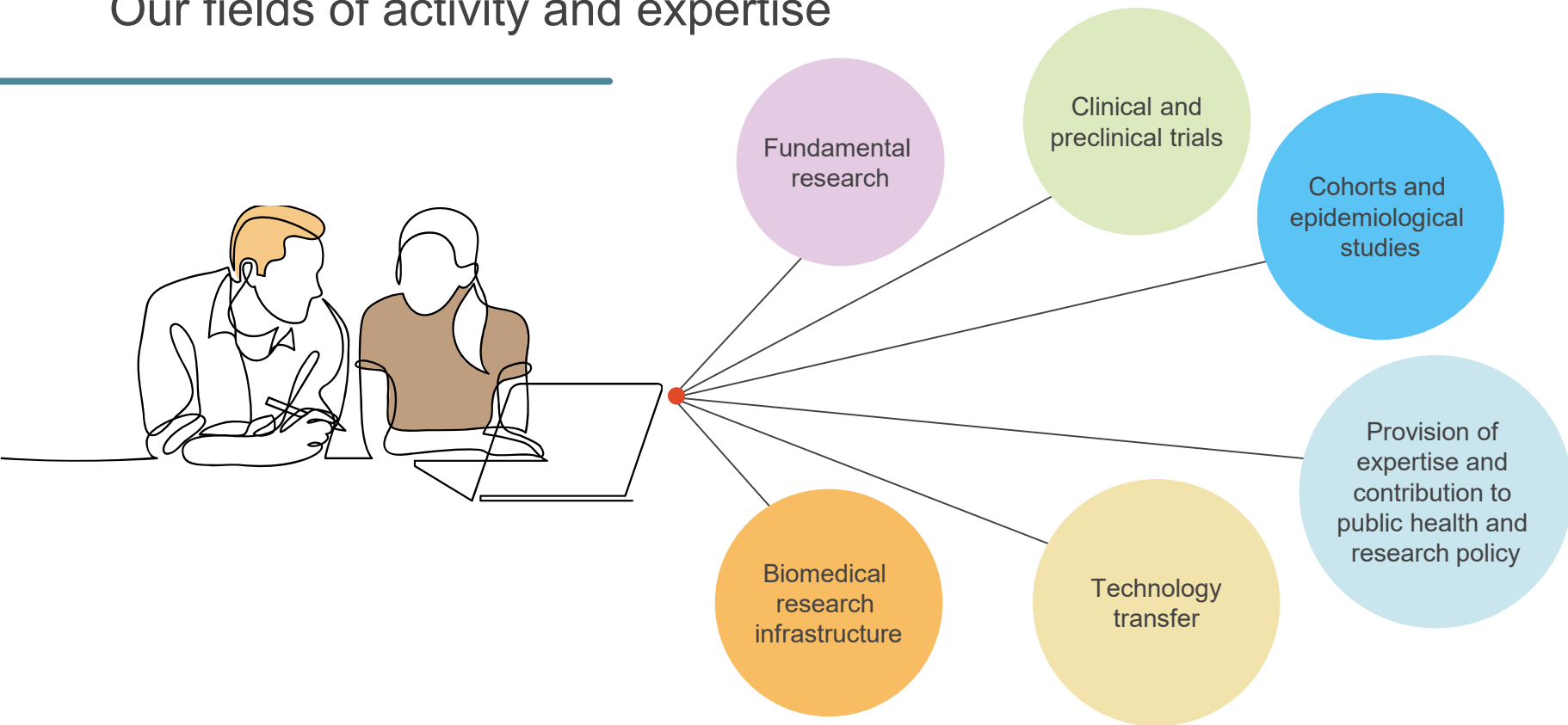


- Take action to improve the health of all

Our missions for health

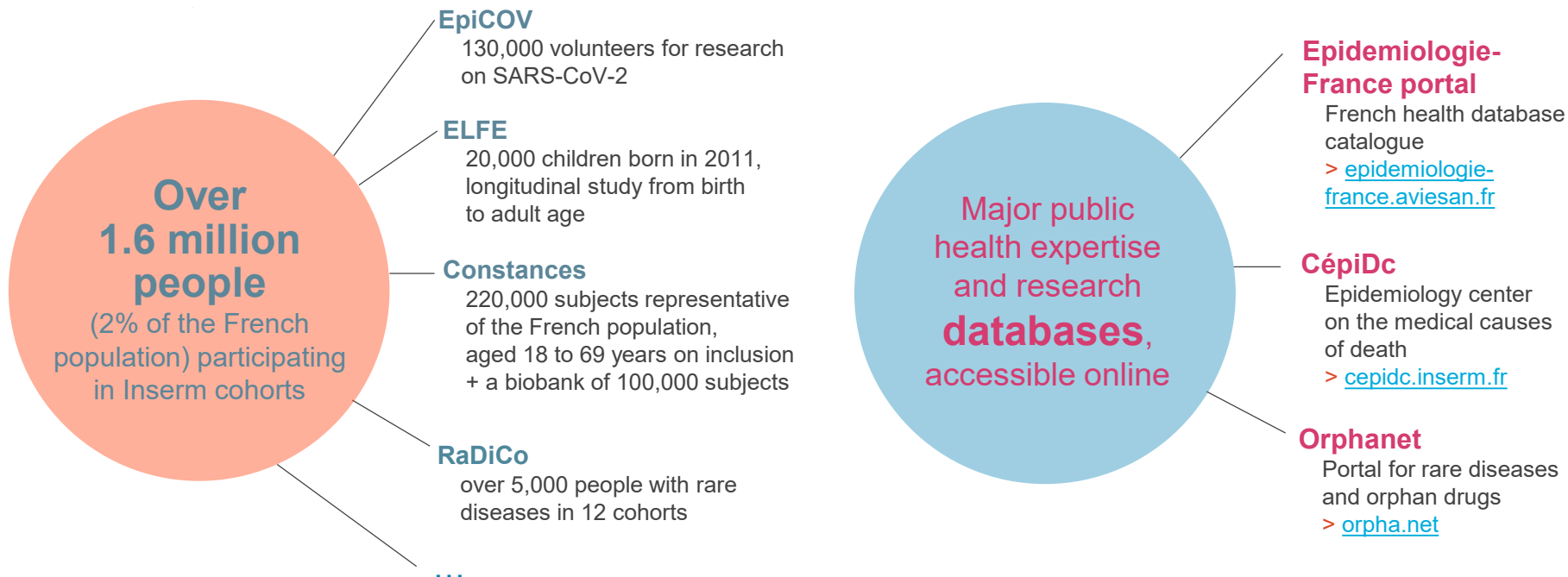


Our fields of activity and expertise



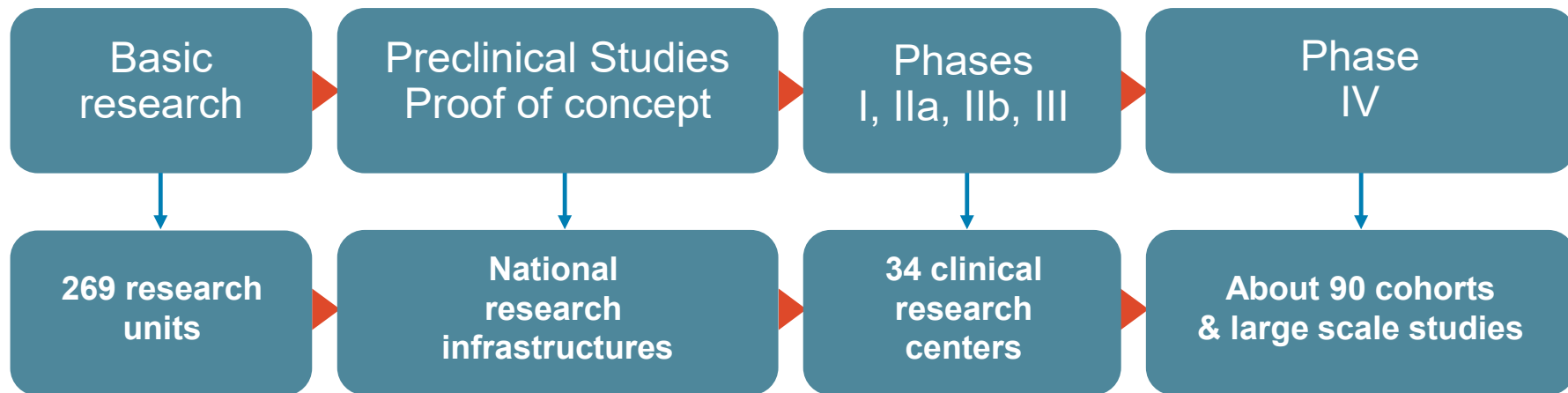
- Take action to improve the health of all

Cohorts and epidemiological studies



- Take action to improve the health of all

A continuum from basic to clinical, therapeutic, and public health research



- Take action to improve the health of all

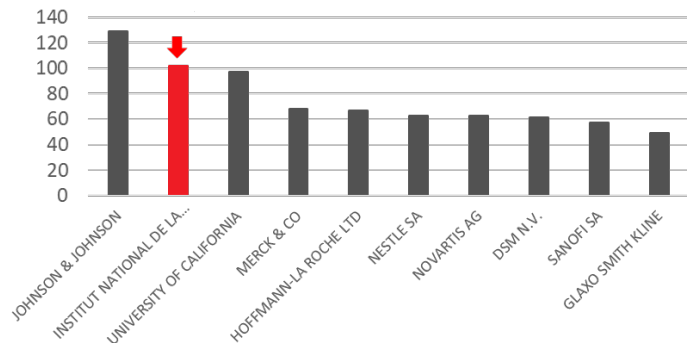
Value creation activities which are bearing fruit

- **2,340** patent families portfolio
- **160** new patent families in 2022
- An annual budget of **€1.8 M** to fund project maturation or proof of concept
- A maturation budget reaching **€23.3 M** invested in 336 projects since 2009
- **€495,5 M** industrial partnerships since 2010 (patents, research contracts)
- **€15-20 M** per year from licensing agreements
- Over **400** technologies and research tools available for licensing
- Strategic alliances with, for example: Astra Zeneca/MedImmune, Dassault System 3DS, MSD Avenir, Sanofi
- **10** startups created each year via Inserm Transfert (Inserm's subsidiary)
- Partnerships with SATTs

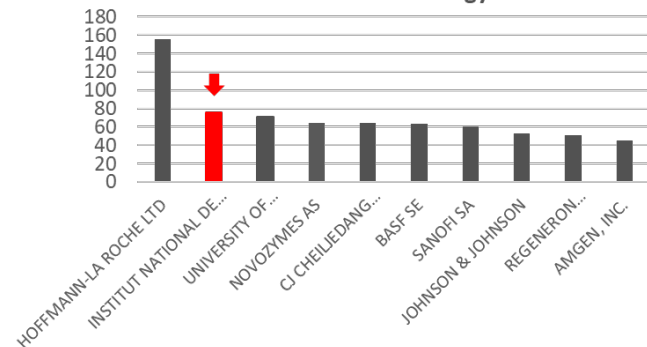
- Take action to improve the health of all

Inserm & Inserm Transfert in EPO rankings

2nd in the Pharmaceutical sector



2nd in the biotechnology sector

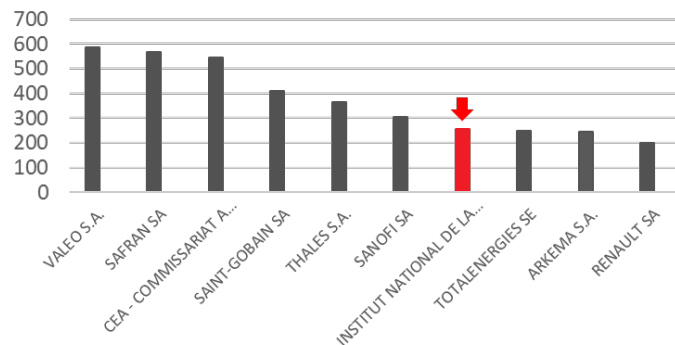


- **No. 2** European applicant in the pharmaceutical sector (in the Top 3 since 2015)*
- **No. 2** European applicant in the biotechnology sector (4th year)*
- **No. 1** European research academic institution in the biomedical sector*
- **2,340** patent families as of 31/12/2022

* *European Patent Office (EPO) 2022 rankings*



7th in France all sectors represented



Inserm

- Take action to improve the health of all

Inserm Transfert: partnering with industries

SOME OF OUR INDUSTRIAL PARTNERS: privileged partner of major industrials, mid-size, SME, involved in human health, at the international level



Inserm

- Take action to improve the health of all

Inserm spin-offs based on inventors as drivers



- Take action to improve the health of all

Major discoveries

Since its foundation in 1964, Inserm has played a part in many key, historic medical advances, such as:

- **the first prenatal diagnostic tests;**
- **understanding the HLA system** and the ensuing immune reactions;
- **the first in vitro fertilization;**
- **identification of HIV;**
- **radiotherapy for cancer;**
- **the first skin graft;**
- **deep brain stimulation** in the treatment of Parkinson's disease;
- **gene therapy...**



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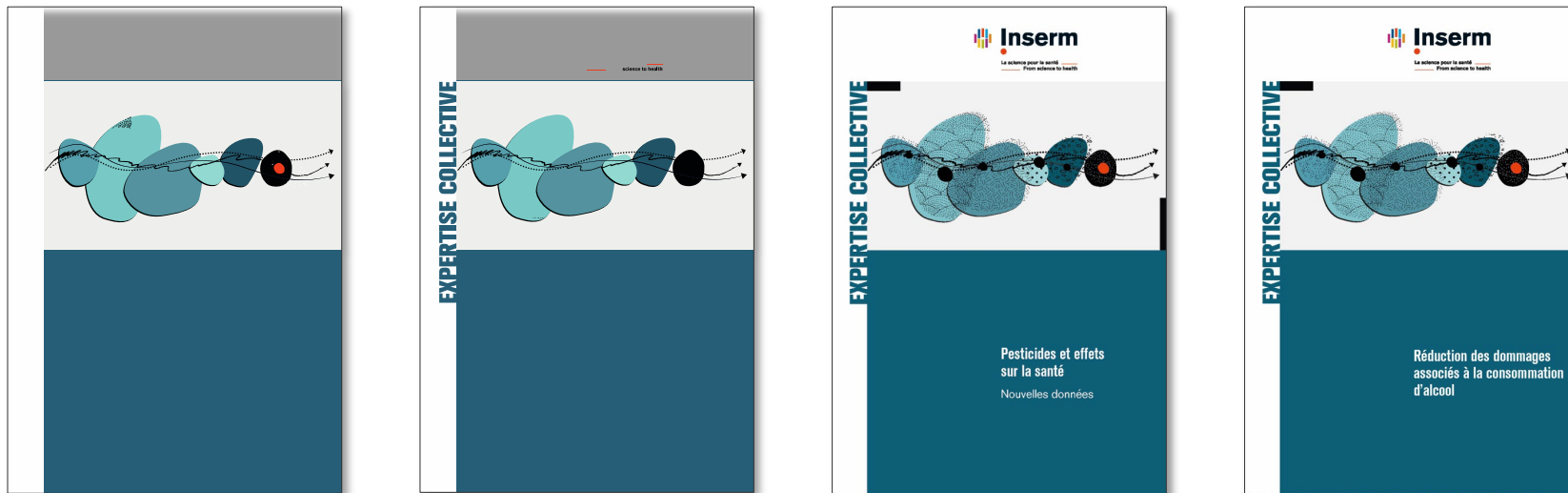
Disseminate knowledge
for the benefit of all



- Disseminate knowledge for the benefit of all

Collective expert reviews and contribution to public health policy

Inserm fulfils its mission of expertise provision and knowledge transfer to decision-makers in the field of public health by providing the scientific insight required to take decisions on public health policy issues.



- Disseminate knowledge for the benefit of all


Our work with patient organizations

Towards research in partnership with patient organizations and civil society collectives

- Promote meetings and direct dialogue between researchers and collectives
- Act for the structuring, coordination and animation of participatory research projects
- Help to better take into account these projects in the assessment of researchers and structures
- Facilitate access to scientific information for society

- Disseminate knowledge for the benefit of all

Our presence in the service of public information

 **inserm.fr**
12,596,000
sessions

 **131,000**
followers

 **158,000**
followers

 **51,000**
followers

 **13,000**
followers

 **339,000**
followers

 **30,500**
followers



Live lectures and
30' Santé broadcast
34,500 views



Public events
1.8 million
participants and views



Meetings on
participatory research
250 participants



Canal Détox
information videos and articles
277,000 views



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