

The institute for information and communication science and technologies

Set up for innovation



A three-fold mission

Research: developing knowledge and technologies
Transferring technology to the economic world and promoting innovation

Sharing and disseminating knowledge: training doctoral students and sharing computer science knowledge with the general public



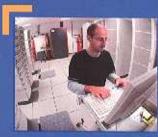
One project, one team

INRIA's project teams are made up of about twenty scientists working for a set period of time on a common project which is evaluated on a regular basis.



Networking

INRIA's scientists come from universities and leading higher education establishments, as wells as other research institutes such as the French national scientific research centre (CNRS). They work in close relation with industry through research contracts.



Innovation, a duty

For over 40 years, INRIA has been assisting researchers in transferring the technological advances stemming from their work to the industrial and service sectors (through research and transfer contracts, user licenses and CIFRE grants). The institute works in partnership with large corporations, SMEs, industrial consortiums and collaborates with some twenty competitiveness clusters: AESE, Minalogic, SCS, System@tic, Images et Réseaux, Medicen, Mov'eo, i-Trans, etc.



Incubator for start-ups

Via its subsidiary INRIA-Transfert, INRIA offers
Its support to entrepreneurs in the field of
Information and communication science and
technologies (ICST).



At home in Europe...

In its field, INRIA is a top-ranked player in the European competition initiated by framowork research and development programs (FP6 and 7). It also pursues a dynamic policy of collaborating with universities, research centers and European industrial R&D laboratories.

Training, sharing and disseminating knowledge

Currently, a thousand PhD graduates as well as other students work in the research teams, in a dynamic environment, and in close relationship with the international scientific community.

Beyond the scientific world, the Institute strives to impart knowledge about computer science to the average citizen, particularly young people (through a partner-ship with the French Ministry of National Education).

...and open to the world

INRIA has partnerships with numerous academic Institutions in the United States, Asia, Latin America, Africa and the Middle East:

- It has set up 71 associated teams in partnership with research centers in 28 different countries.
- It has set up a joint laboratory (LIAMA) with the Chinese Academy of Science and has been collaborating for many years with the Poncelet laboratory in Moscow, the University of Illinois at Urbana-Champaign and the Centro de Modelamiento Matematico in Santiago de Chife.
- It is the main organizer of the African Conference on Research in Computer Science (CARI) held every two years in Africa

Seven scientific priorities to meet the challenges of tomorrow:

Computer sciences, as vectors of the technological progress and economic competitiveness, are changing the world we live in...
They also allow us to understand it better. Every five years, INRIA sets new scientific and technological challenges to guide its research.

From now until 2012, INRIA will be focusing its research activities in the following fields:



Modeling, between mathematics and computer science.

It allows meteorological, physical, geological or physiological phenomena to be described mathematically to help us understand them better, analyze them and he able to predict them.



Programming, at the heart of computer science.

It strives to guarantee software security and reliability, as well as solve problems of data confidentiality, authentication, protection, traceability, etc.



Communication and networks.

Beyond infrastructure concerns (protocols, distribution, rules), this consists in setting up a web of knowledge and services (intelligent web).



Interaction between real and virtual.

Man-machine interactions require software-based understanding of vision, touch, movement, natural language and voice. Robotics is also a promising field in numerous sectors.

INRIA is also supporting three main fields of expertise turned to applications and calling upon a wide-range of scientific skills (modeling, simulation, multi-scale, distributed and algorithmic computing):



Computational sciences

By combining modeling, simulation, multi-scale computing and nanotechnologies, INRIA aims to develop models in the fields of biology, agronomics and ecology and create new ways of studying ecosystems and materials.



Computational engineering

It allows to study and predict the behavior of manufactured objects (virtual prototypes) and alms to guarantee the proper operation of embedded software (validation of automatic flight systems in aircrafts, etc.).



Computational medicine

It develops models of organs to improve diagnoses and treatments for illnesses such as cancer, cardio-vascular and neurological diseases.

8 research centers turned toward Europe

1967: founding of IRIA in Rocquencourt within the scope of Plan Calcul

1975: a research unit is set up in Rennes

1979: the Institute becomes a public institution under the name INRIA

1983-92: 3 new research units are set up in Sophia-Antipolis, Nancy and Grenoble

2008: 3 research centers are set up in Bordeaux, Lille and Saclay



INRIA Headquarters

Domaine de Voluceau Rocquencourt - BP 105 78153 Le Chesnay Cedex France +33 1 39 63 55 11

INRIA Bordeaux - Sud-Ouest

351, cours de la Loération Dât, A 29 33405 Talence Cedex France +33 5 24 57 40 00

INRIA Grenoble - Rhône-Alpes

Irrovalée 655, avonue de l'Europe – Monbonnot 38334 Saint-Ismier Cedex France +33 4 78 81 52 00

INRIA Lille - Nord Europe

Parc scientifique de la Haute Borno 40, avertue Halley - Bât A - Park Plaza 59650 Villonouvo d'Asoq France +33 3 59 57 78 00

INRIA Nancy - Grand Est

615, rub du Jardin Botanique 54600 Villers-lès-Nancy France +33 3 83 58 30 00

INRIA Paris - Rocquencourt

Domaina da Voluceau Rocquencourt - BP 105 78153 Le Chesnay Cedox Franco +33 1 39 63 55 11

INRIA Rennes - Bretagne Atlantique

Campus universitaire de Beaulleu 35042 Ronnos Copox France +33 2 99 84 71 00

INRIA Saclay - Île-de-France

Paro Orsay Université
4, rue Jacques Monod
91893 Orsay Cedex France
+88 172 92 69 00

INRIA Sophia Antipolis -Méditerranée

2004, route des Lucicles — BP 93 08902 Spohia Antipolis France +33 4 92 38 77 77