



aviesan

alliance nationale
pour les sciences de la vie et de la santé

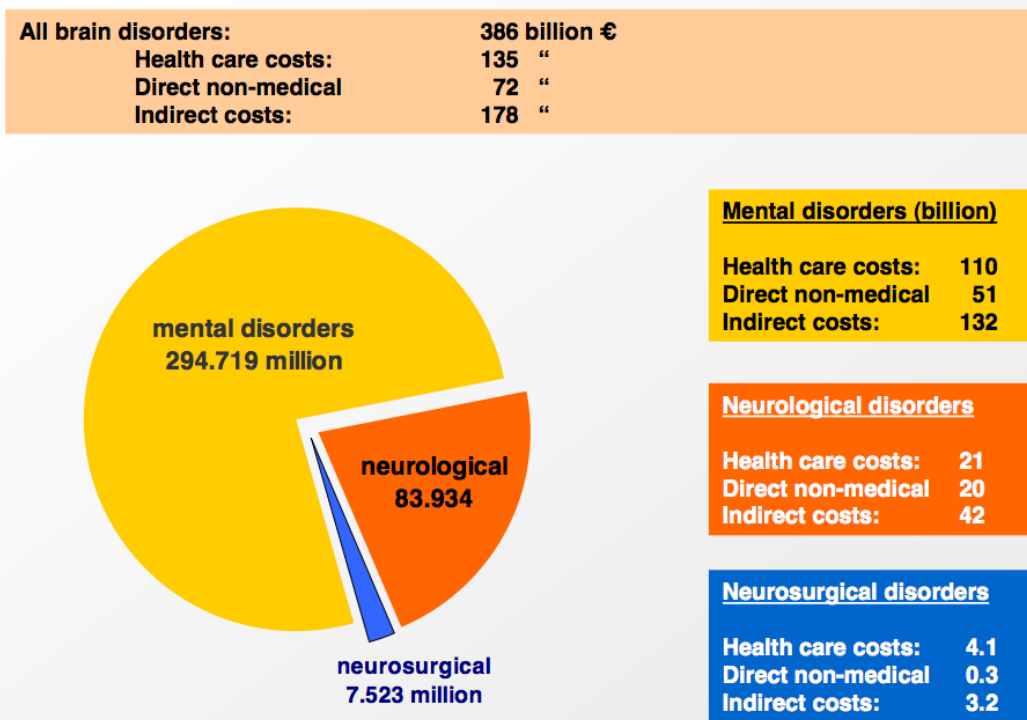
**Translational
research
infrastructure in
Neurosciences
15.06.2011/Bruxelles**

**ITMO Neurosciences,
sciences cognitives,
neurologie, psychiatrie**

**ITMO Technologie pour la
santé**

NEUROSCIENCE MEDICAL CHALLENGES

- ✓ **HIGH PREVALENCE OF BRAIN DISORDERS IN EUROPE:**
 - >27% lifetime risk for brain disorders (>127 Millions in Europe)
- ✓ **TOTAL COST OF BRAIN DISORDERS**
 - 386 Billions Euros in 2004, i.e. 829 Euros/ European inhabitant

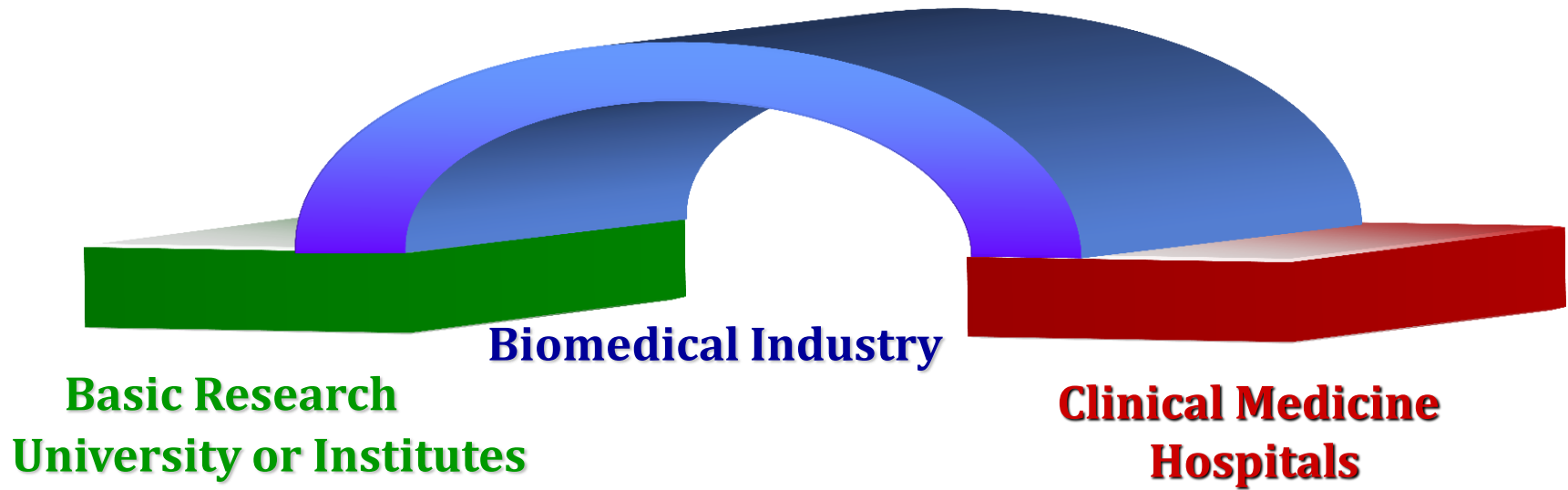


EBC study, 2005

HIGH ATTRITION MAKE DRUG DEVELOPMENT IN NEUROSCIENCE A RISKY BUSINESS: ONLY 7.5% SUCCESS RATE

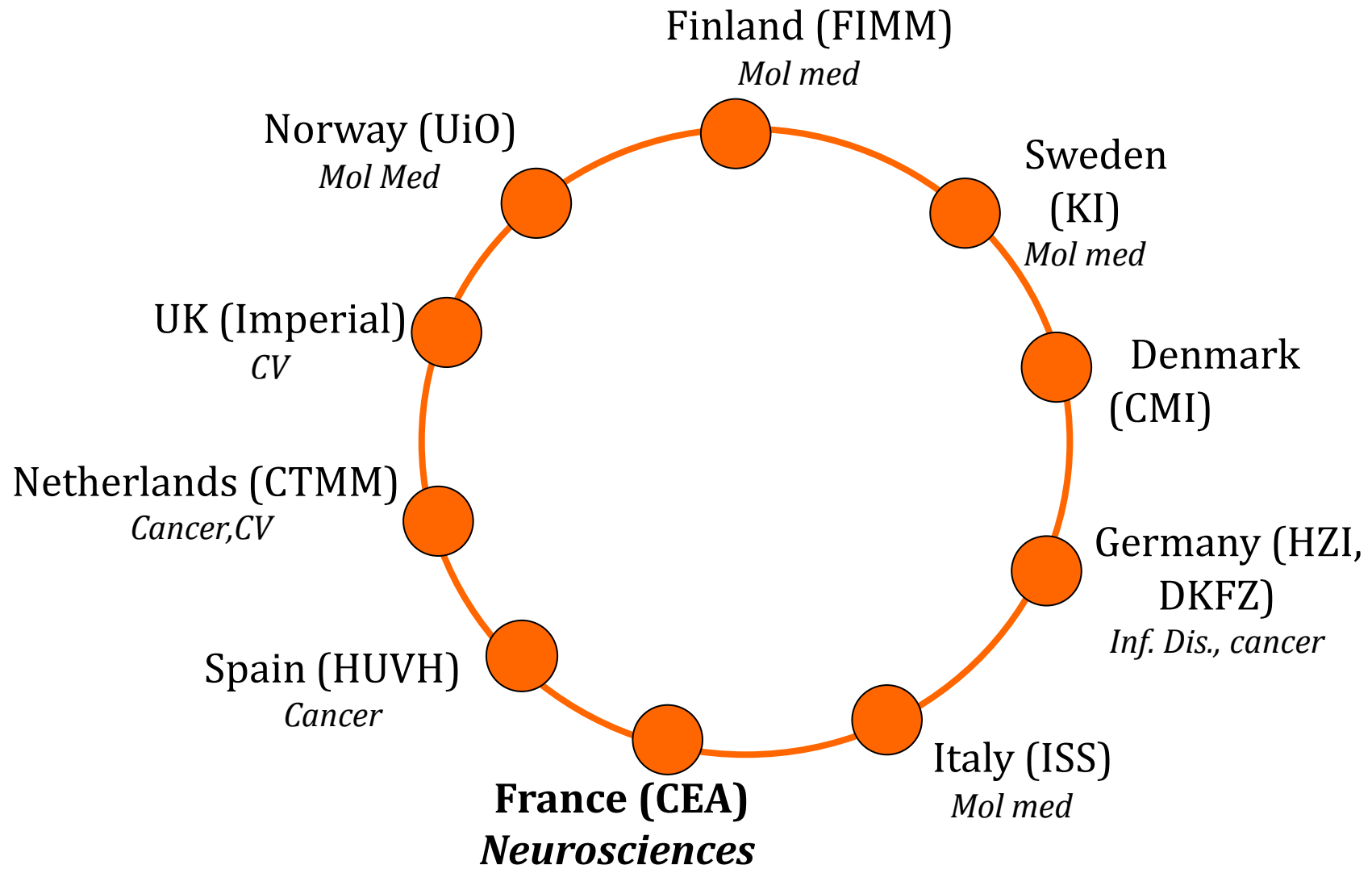


NEURATRIS: THE SOLE EUROPEAN TRANSLATIONAL RESEARCH INFRASTRUCTURE DEDICATED TO NEUROSCIENCE



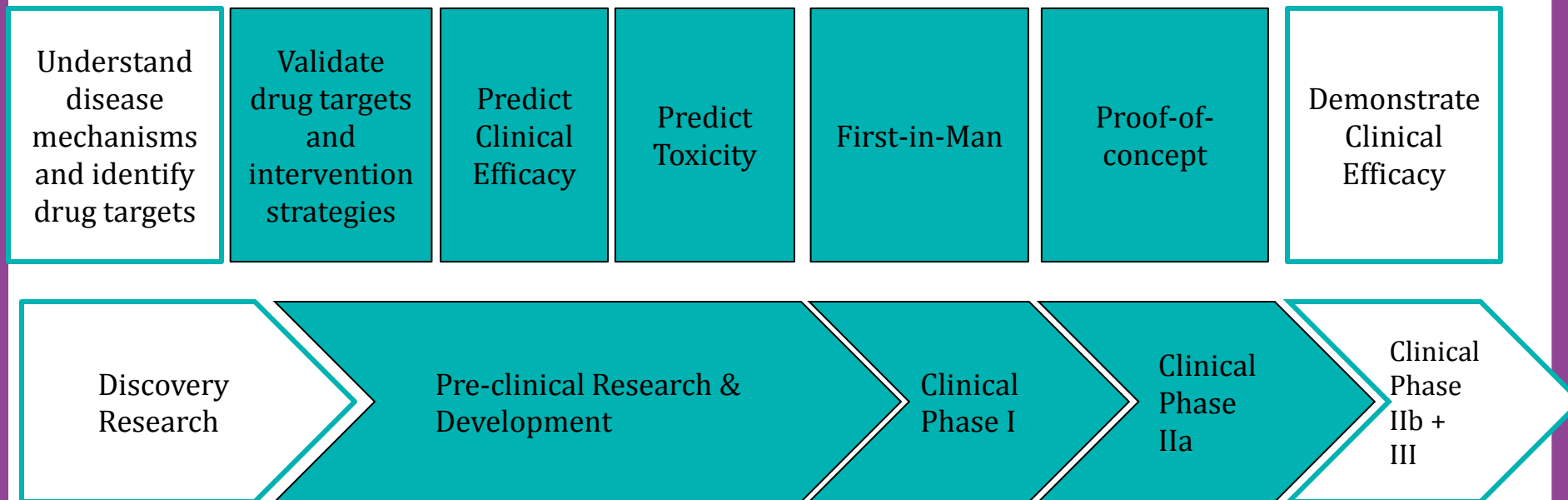
Bridge the gap between basic biomedical research and clinical applications for the development of innovative strategies for preventing, diagnosing and treating diseases

EATRIS, A COMPONENT OF ESFRI EUROPEAN ROADMAP

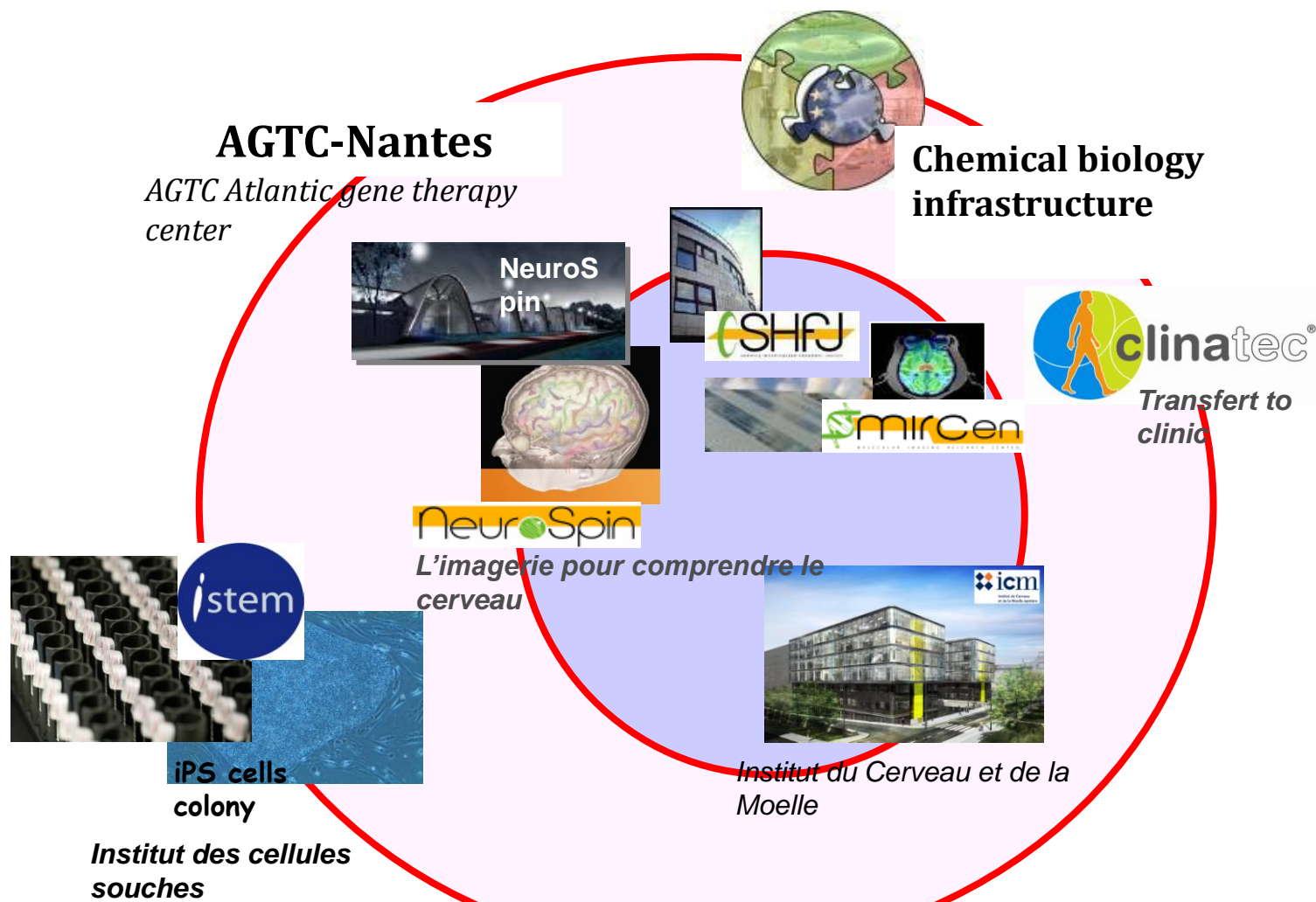


NEURATRIS: THE CONCEPT

- ✓ **Professionalized services** covering the whole chain of translational research in Neurosciences **from basic sciences** (target identification) **to clinical application** (proof of concept, phase IIa)
- ✓ **Single entry** for all Neuratris activities



NEURATRIS: A NETWORK OF INNOVATIVE CENTRES UNDER AVIESAN'S UMBRELLA



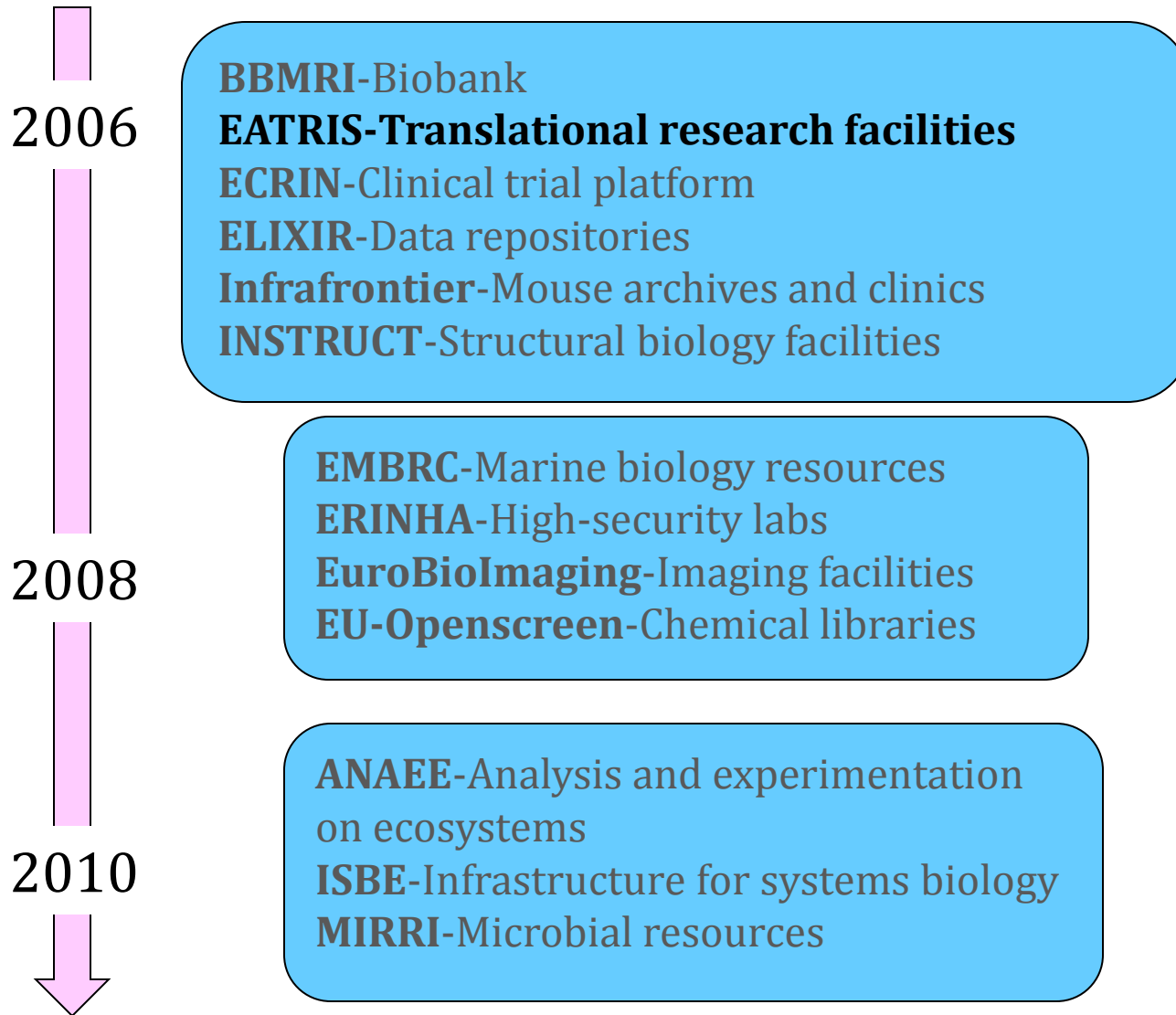
NEURATRIS ADDED-VALUE

- ✓ **SIMPLIFICATION:** Single entry point for Neuratris users (academia, SMEs, Pharma industry)
 - ✓ **INNOVATION:** Network of high-level infrastructures based on scientific excellence (continuous methodological developments)
 - ✓ **EFFICIENCY:** Full range of professionalized services including project management
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- ➡ **Accelerate translation** from basic biomedical research discoveries into new innovative medical drug/biomarker/device
 - ➡ Provide key preclinical and clinical facilities for the development of **new diagnostic tools and preventive or therapeutic strategies**

HIGH ATTRITION MAKE DRUG DEVELOPMENT IN NEUROSCIENCE A RISKY BUSINESS: ONLY 7.5% SUCCESS RATE



ESFRI LIFE SCIENCES INFRASTRUCTURES



NEURATRIS : CONTEXT

Europe : Roadmap ESFRI 2006

EATRIS : Translational Medicine distributed Infrastructure



Preparatory Phase

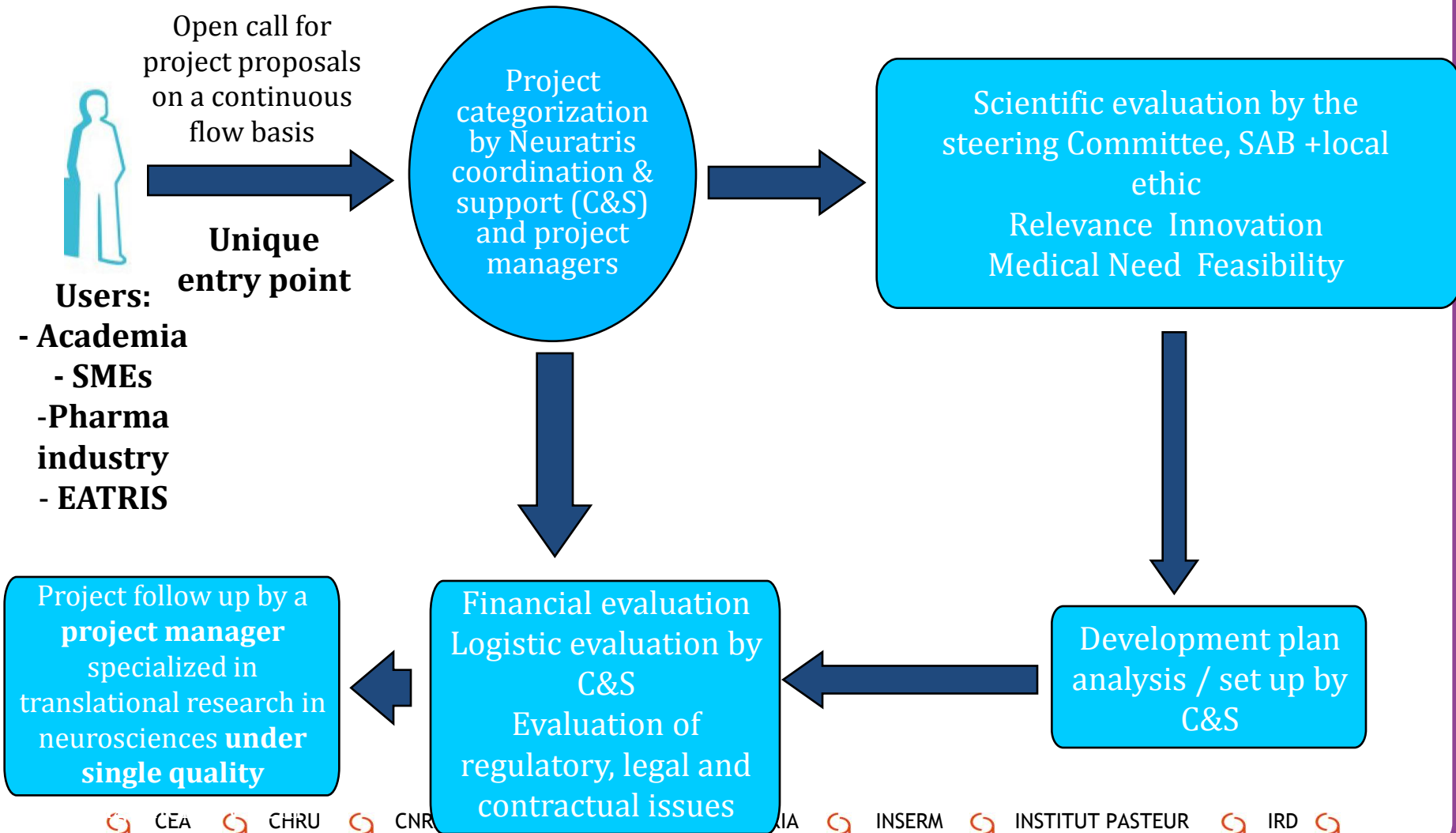
Construction & Operation Phase

EATRIS French Contribution:

Neuratriss

**The National Infrastructure for translational research in
Neurosciences**

NEURATRIS: PROCESS



NEURATRIS: PROCESS

