



GDR 717 MACS



French Research Organization
supported by the CNRS on
Modeling, Analysis and Control
of Dynamic Systems



GDR MACS



- ❑ Founded in 2003 as continuation of previous CNRS and non CNRS structures established in the 1980s
- ❑ Promote science and technology, stimulate research and applications in Automatic Control and Production Systems
- ❑ 2200 Participants, 80 Research Centers and Teams
- ❑ Coordination of the activities of the (International Federation of Automatic Control (IFAC) in France
- ❑ Organization and (co)sponsoring of Conferences, Seminars, Summer Schools and meetings of working groups
- ❑ Awards: **Best PhD thesis**, IFAC France, ...
- ❑ Budget: 50 to 60 k€/year attributed by CNRS

- Are industries interested (*with research*)?
 - yes and no. Essentially startups and international groups
 - CIR tool (tax reduction if investment in research)
 - Joint labs between research and industries
 - CIFRE tool

- Do they invest in formation inside Universities?
 - Not much if universities but much more if engineer schools

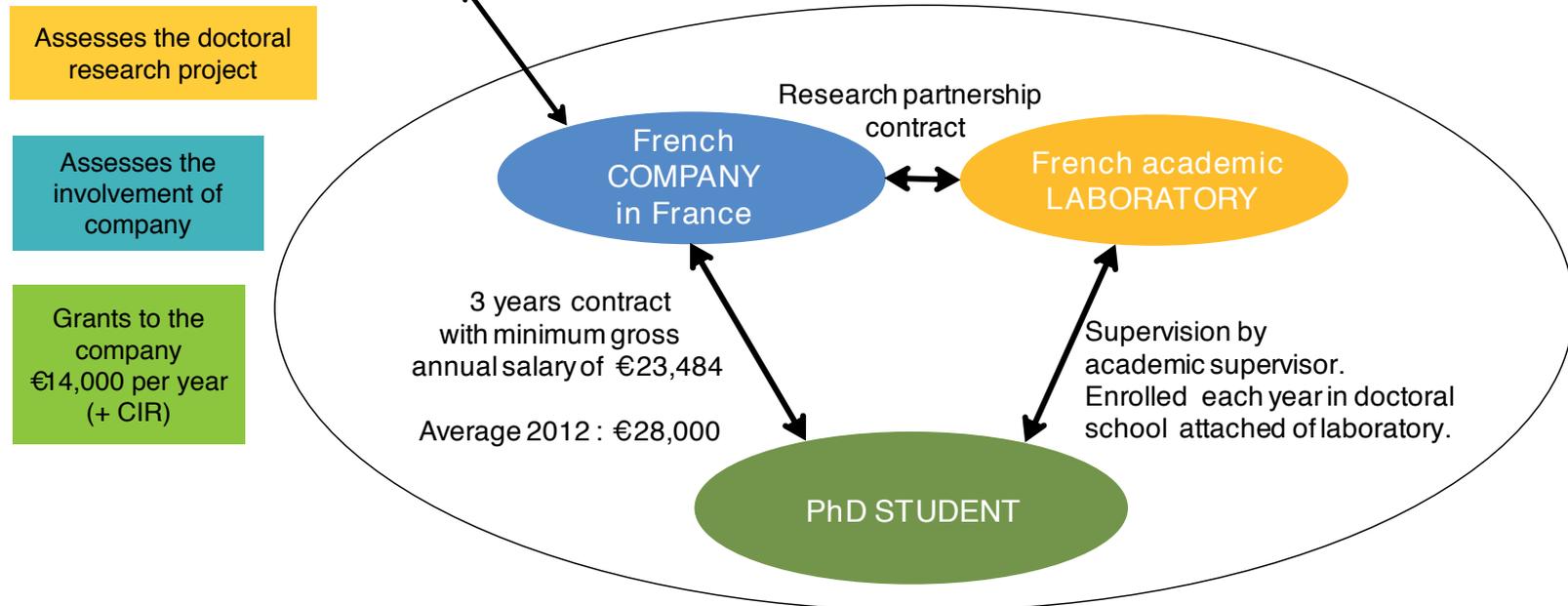
- Do PhD students find a job in industries more easily than graduated?
 - If issued from university yes, if issued from engineer schools not sure

☐ CIFRE (Industrial Convention of Formation by Research)

- Exists in France from more than 30 years

ANRT on the behalf of the French Ministry of Higher Education and Research

Around 1300/year



Advantage for French company : train future employees for its French or foreign of Ace.

Advantage for academic laboratory : train doctoral students as per industrial needs.

Advantage for PhD student : gain valuable an academic and industrial research ability in France.

- ❑ International reviewers and/or defense panel members welcome
- ❑ Doctoral schools have often funding programs to send our PhD students for 1-3 months in Foreign countries
- ❑ Joint doctorate (Co-tutelle): double diploma between France and the foreign country
 - ❑ Often more used to attract foreign students
- ❑ European PhD (3 months abroad at least, 2 reviewers from different foreign countries in Europe, Committee, European foreign language for the PhD defense)