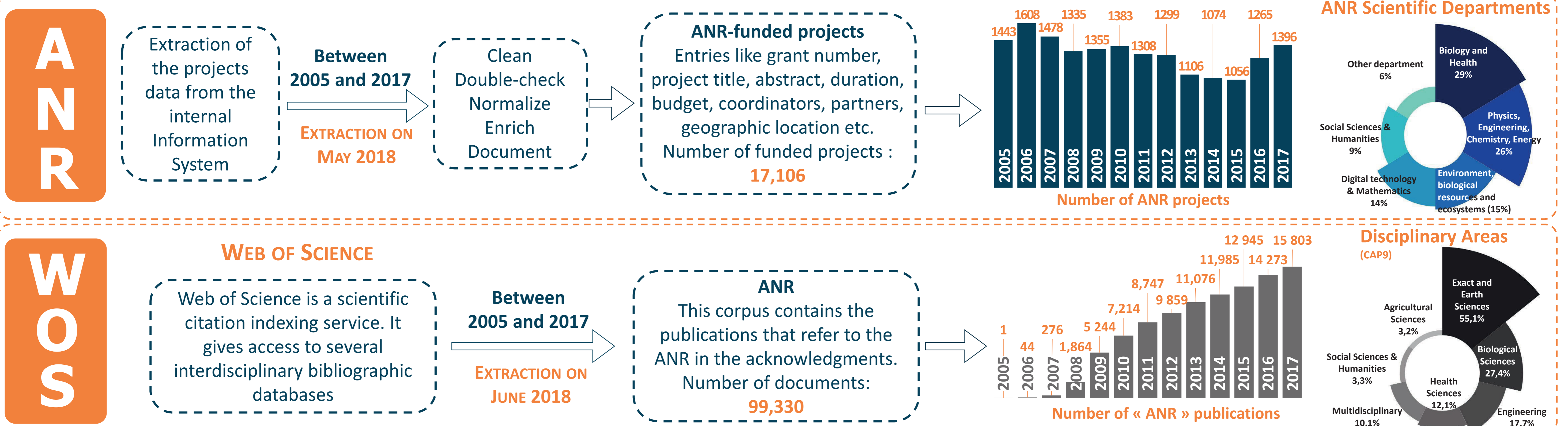


INTRODUCTION: As part of ANR's "open science" initiative, the Agency ensures the circulation of knowledge on public grants by providing data for each funded project in standardized formats to facilitate their broad and easy use. These data provide information on the research funded by ANR since 2005 across all scientific fields. For illustrative purposes we propose three proof-of-principle analyses illustrating how these data could be exploited to evaluate the impacts of ANR-funded projects on the national scientific production.

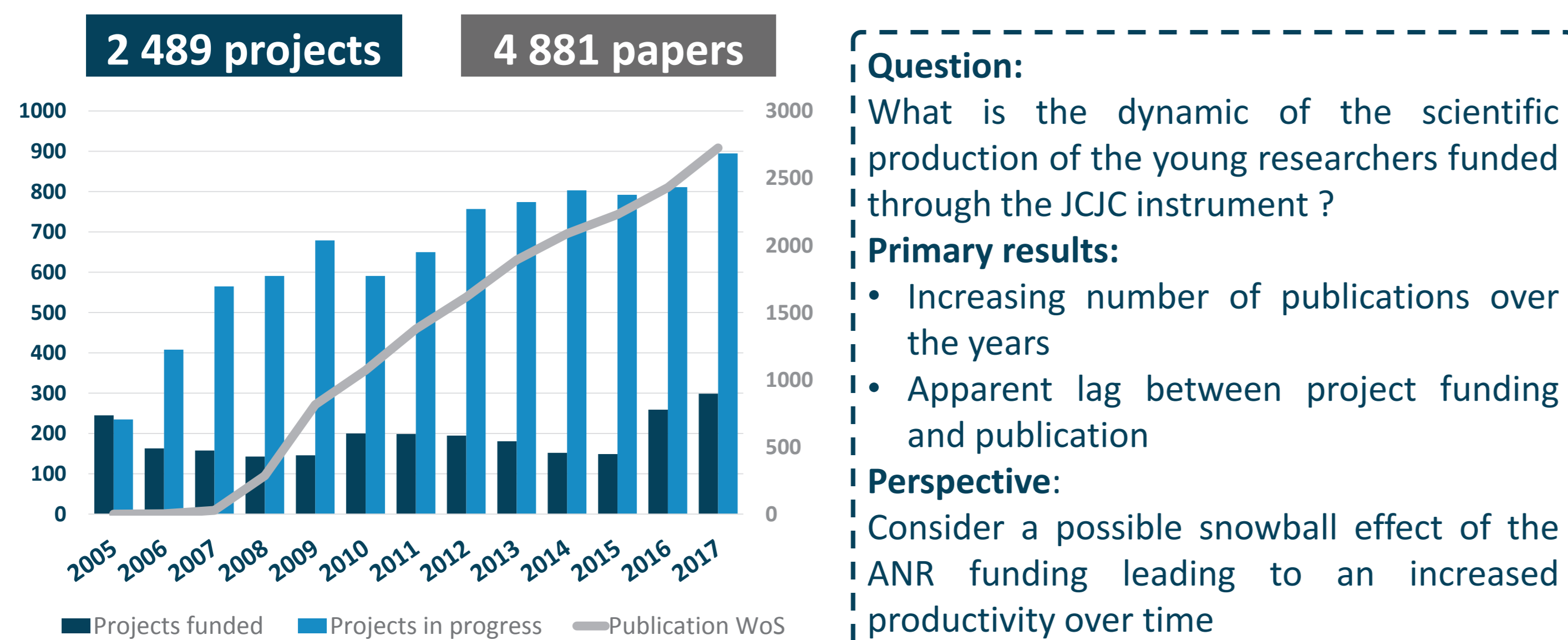
THE DATABASES:



METHODOLOGIES & TOOLS: Numerous treatments and harmonisation procedures were performed to ensure that all the ANR-funded projects (i.e. across all disciplines) since 2005 were described in a standardized and comparable way. Statistics obtained from the ANR dataset were confronted to similar metrics obtained from the Web of Science source (WoS). For this purpose, we identified a main pool of publications by querying the WoS database for all publications in which ANR was acknowledged. Three sub-corpus of publications (*below*) were subsequently extracted and focused respectively on: 1) the PI's funded through the JCJC instrument, 2) an institution recurrently funded by ANR (e.g. INRA), 3) the field of neurosciences. The figures were realized through "Excel", "Incites", and network analyses were conducted using "Cortext Manager" and "Gephi" open source tools. Despite some methodological limitations, we consider the WoS as an interesting source of data to conduct comparative analyses of the funded projects description and that of their output publications.

THREE EXAMPLES OF ANALYSIS:

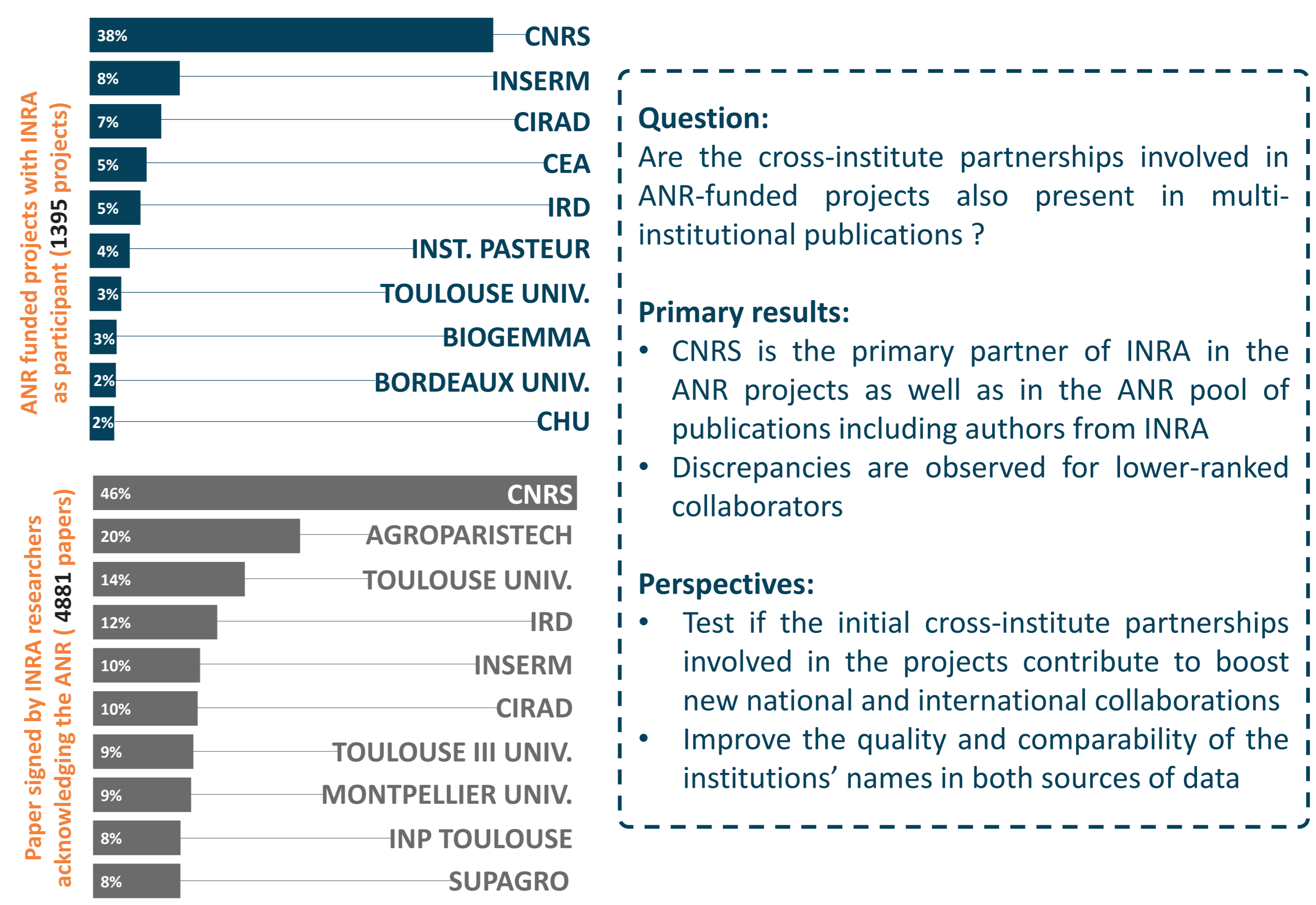
1) FUNDING INSTRUMENT: JCJC



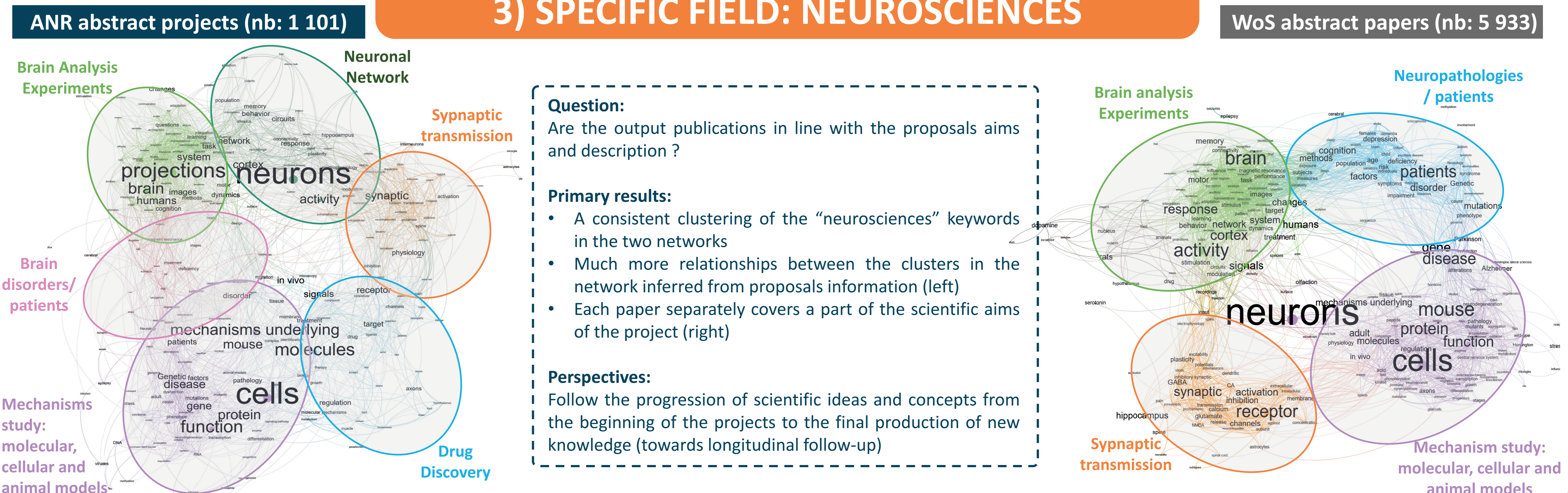
For example, the case of Mr. Eric Cascales funded by ANR in 2010 through the JCJC instrument:



2) CROSS-INSTITUTE PARTNERSHIPS: INRA



3) SPECIFIC FIELD: NEUROSCIENCES



CONCLUSIONS AND PERSPECTIVES: The ANR dataset provides rich information on the research funded by ANR since 2005 and the three exploratory analyses show how such information could be completed by additional resources (bibliographic databases, open archives, European fundings, patents data, altmetrics data, ORCID...) to yield interesting results describing research funding and production. There are still methodological efforts to pursue, extension and refinements of these analyses to perform, and we hope that the wide dissemination of these data towards scientists, data analysts and educated-users will help identifying trends and evolution of research, dynamics in France, in Europe and worldwide.