

La collaboration en recherche et ses effets

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Chaire de recherche du Canada sur
les transformations de la communication savante
École de bibliothéconomie et des sciences de l'information

érudit



Plan

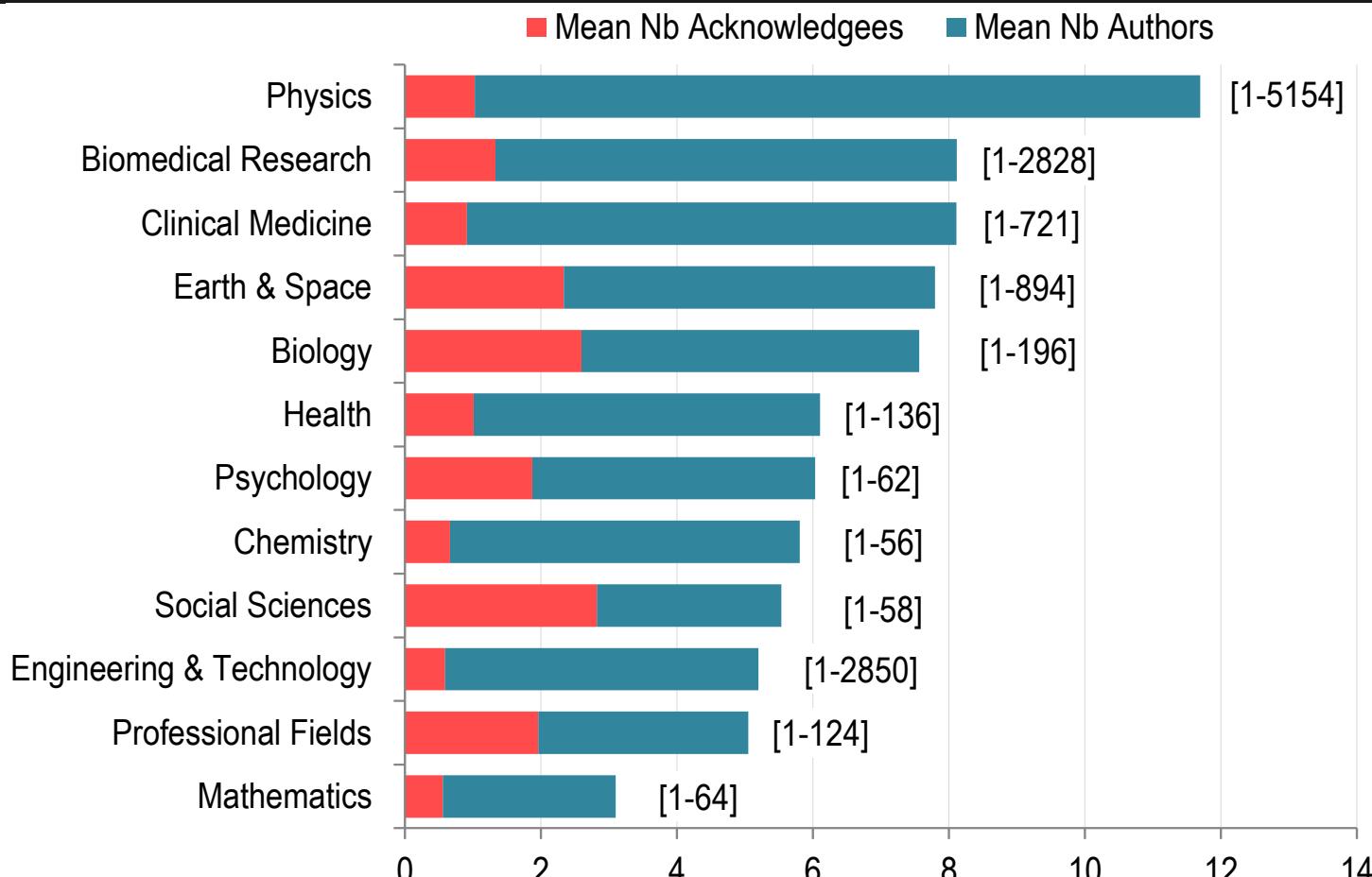
- Les différentes formes de collaboration et ses incitatifs
- Collaboration et impact scientifique
 - Relations historiques entre collaboration et impact
 - Variation entre les types de collaboration
- Le cas du Maroc
 - L'importance du national dans l'international
 - Collaboration et effets sur les objets
 - Division du travail Nord-Sud

Formes de collaboration

- Direction d'étudiants
- Organisation de conférences
- Financement d'équipes
- Contribution à des ouvrages collectif
- Publication d'articles

Co-autorat et collaboration

Nombre d'auteurs et nombre de remerciés



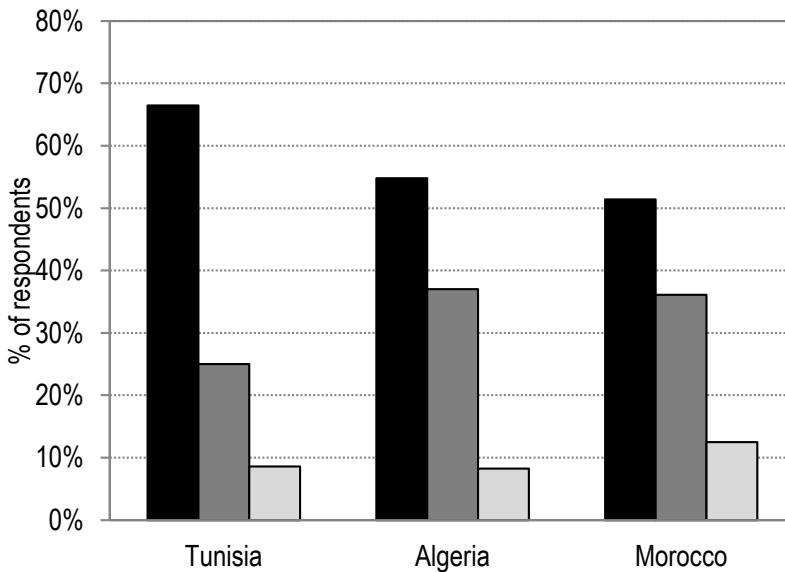
Pourquoi collaborer?

- Partage de ressources matérielles et financières
- Partage d'expertise
- Préférences personnelles / stimulation intellectuelle
- Prestige
- Augmentation de la production
- Condition des organismes subventionnaires

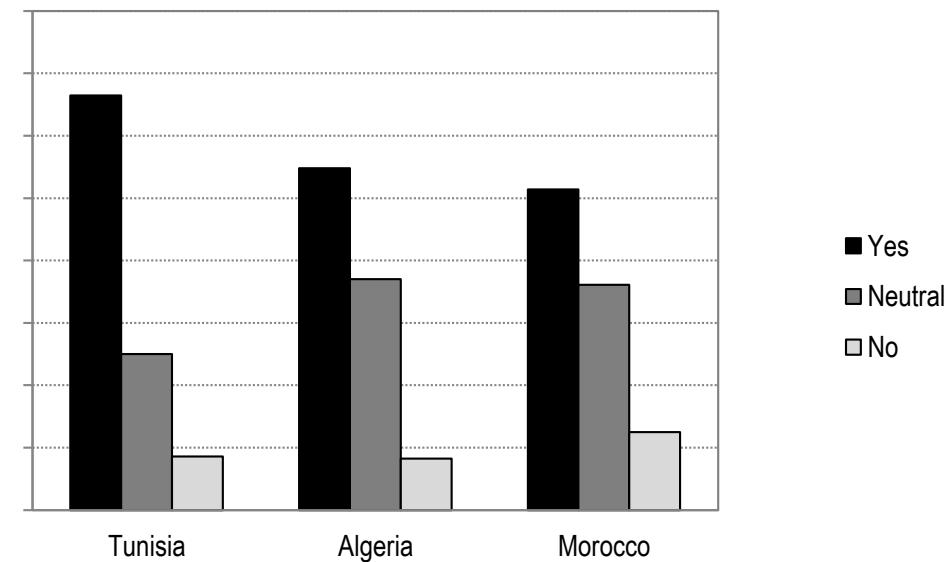
Pourquoi collaborer?

Chercheurs du Maghreb

Accès aux revues à haut Facteur d'Impact

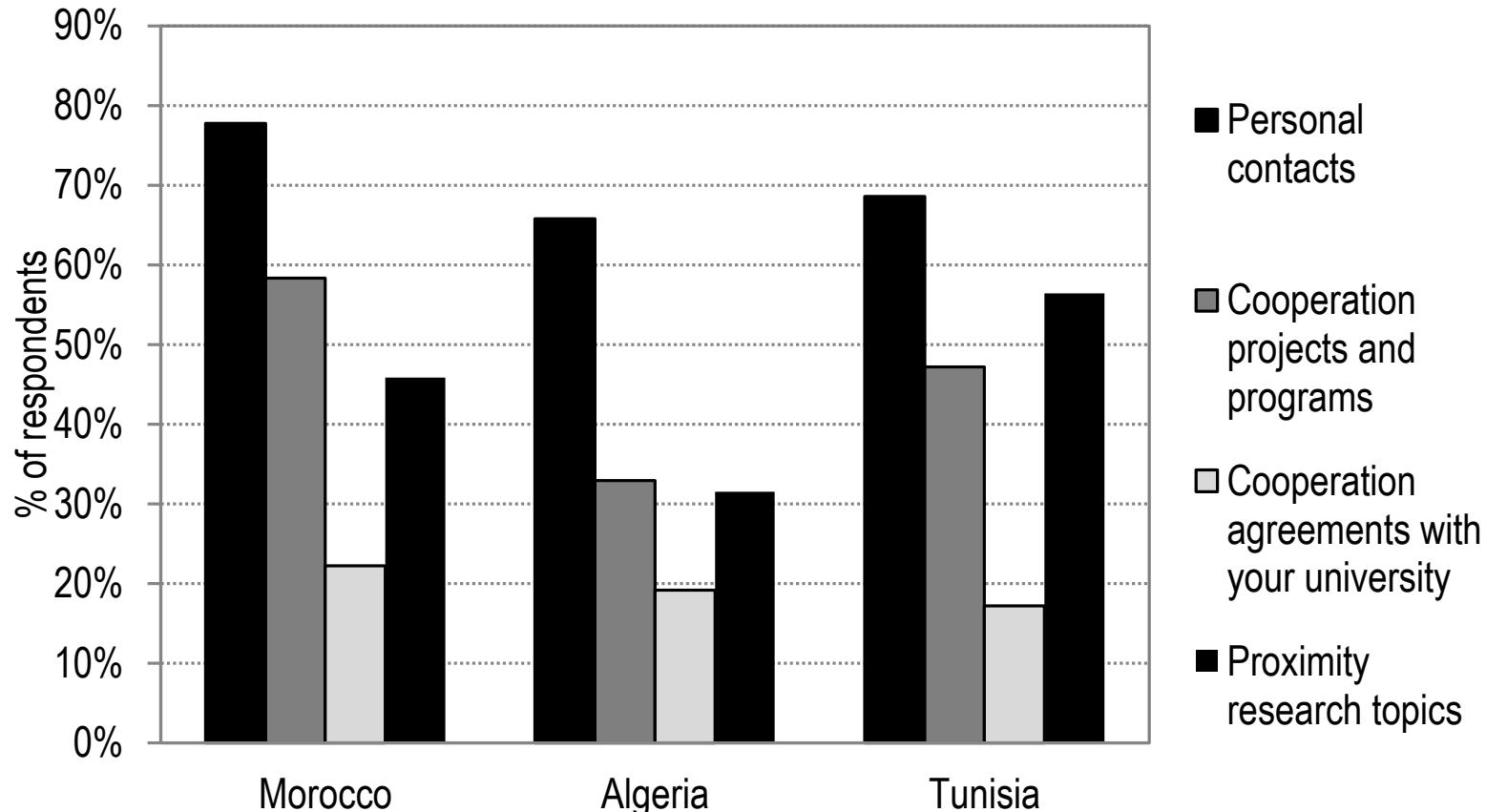


Meilleure réputation



Déterminants de la collaboration

Chercheurs du Maghreb



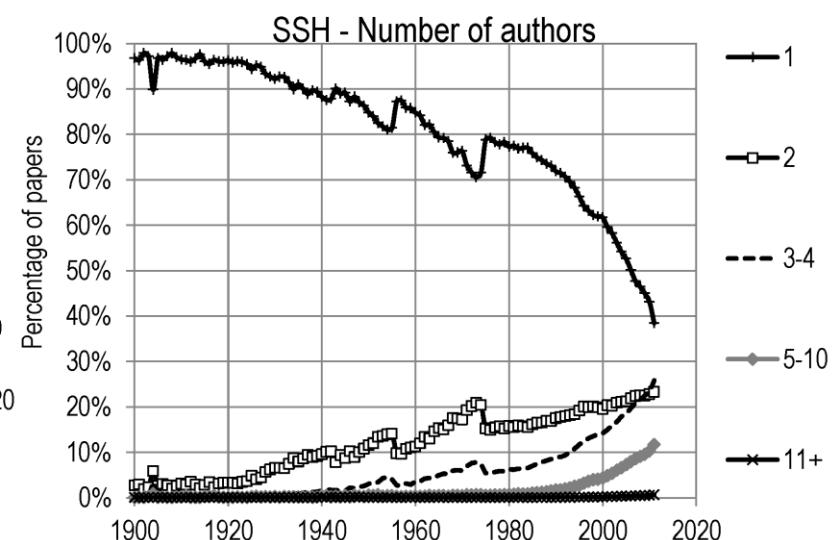
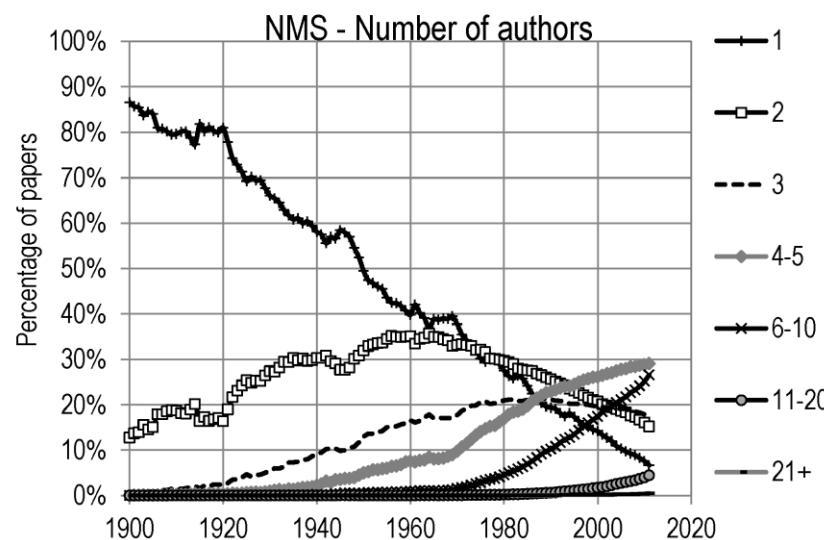
Collaboration et impact

Sources de données

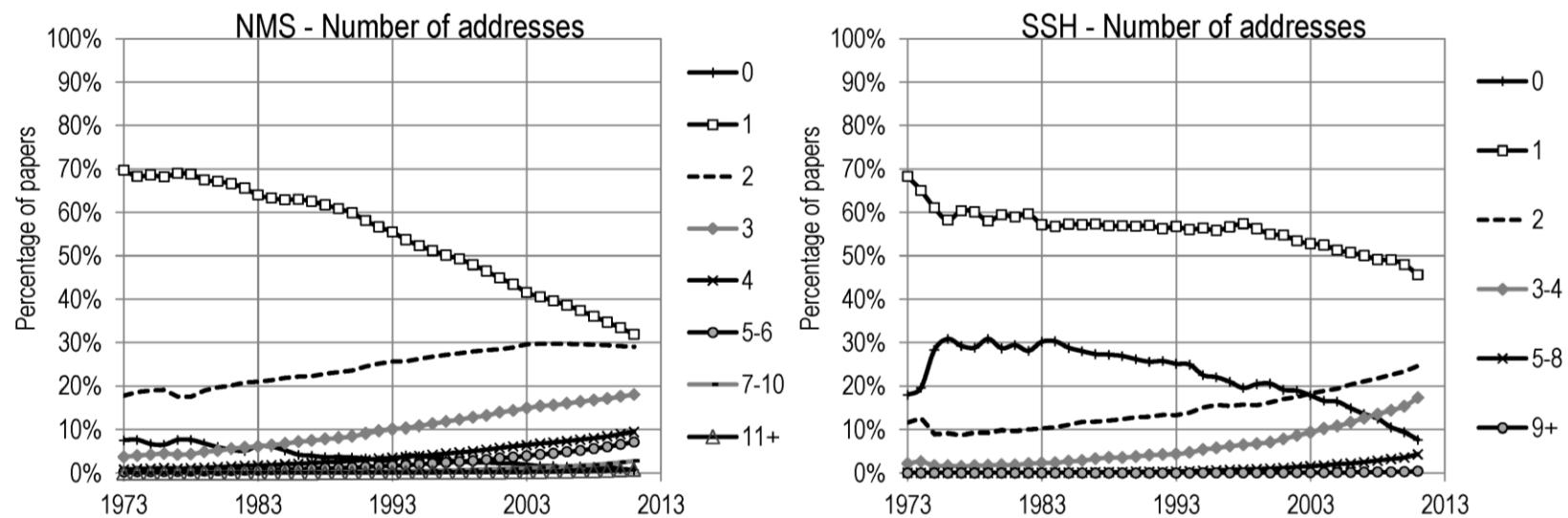
- Web of Science 1900-2011
- 32.5 millions d'articles
- 515 millions de citations
- Exclusion des auto-citations
- Mesures d'impact normalisé par la discipline et l'année de publication

Larivière, V., Sugimoto, C.R., Tsou, A., Gingras, Y. (2015). Team Size Matters: Collaboration and scientific impact since 1900. *Journal of the Association for Information Science and Technology*, 66(7): 1323–1332.

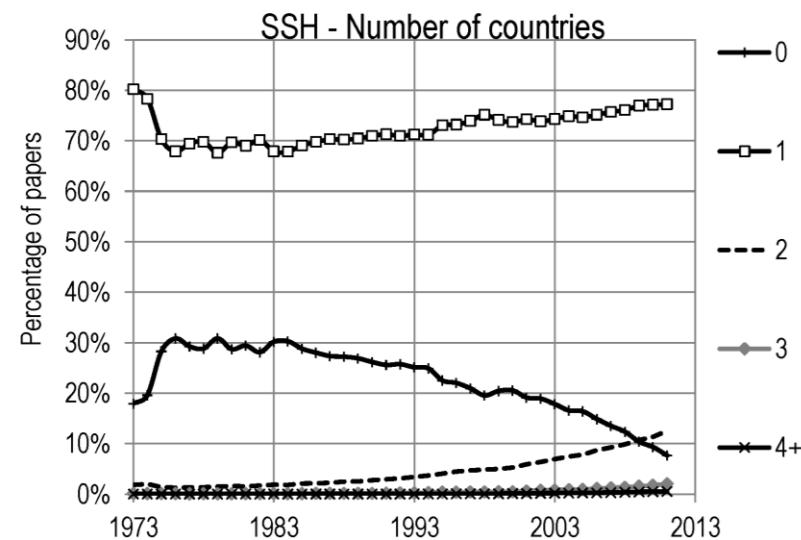
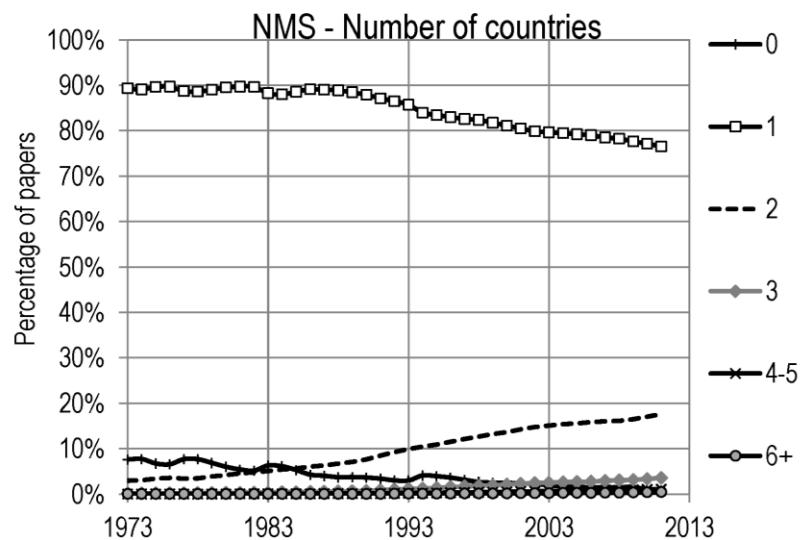
Pourcentage d'articles selon le nombre d'auteurs, 1900-2011



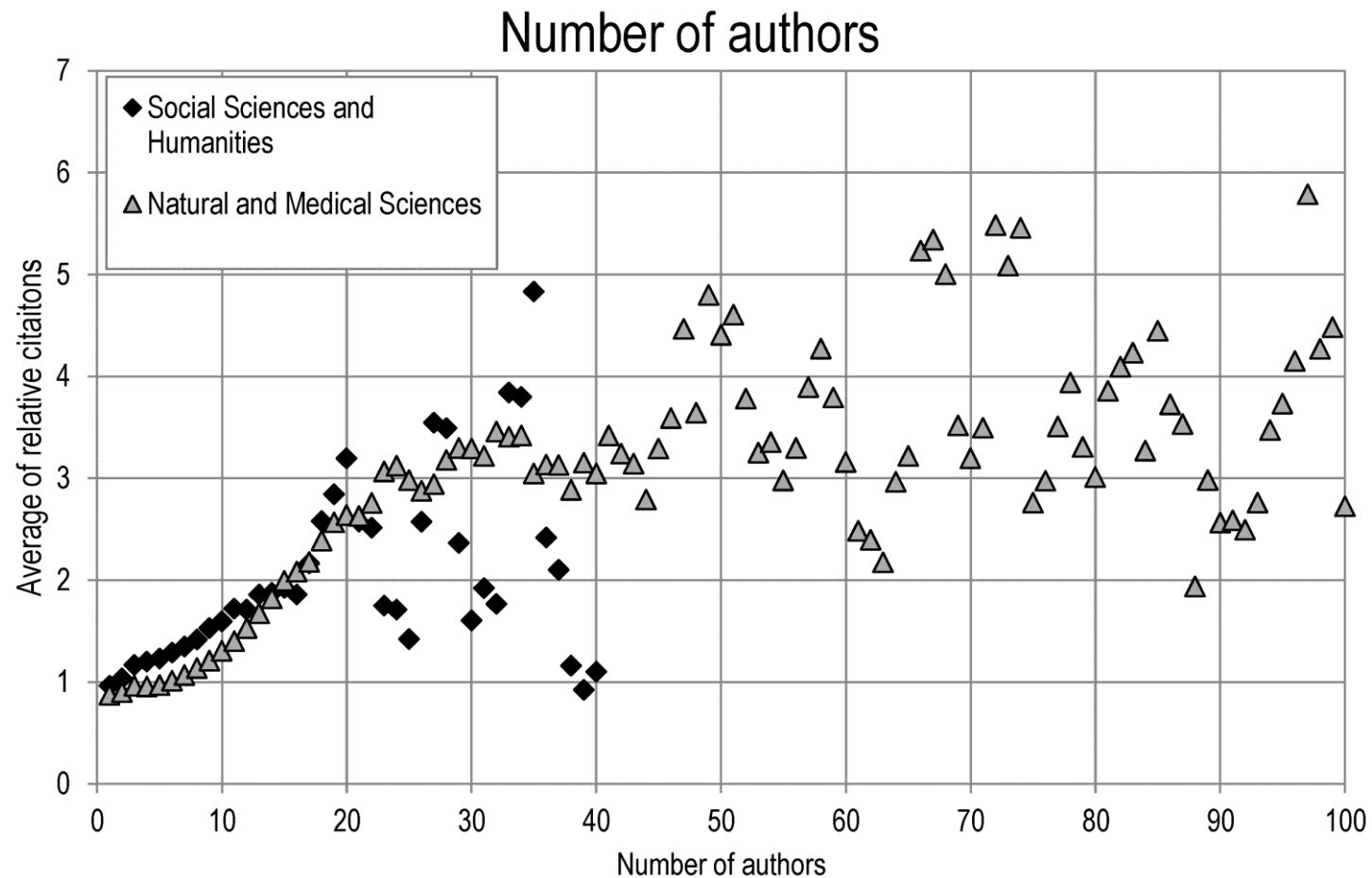
Pourcentage d'articles selon le nombre d'adresses, 1900-2011



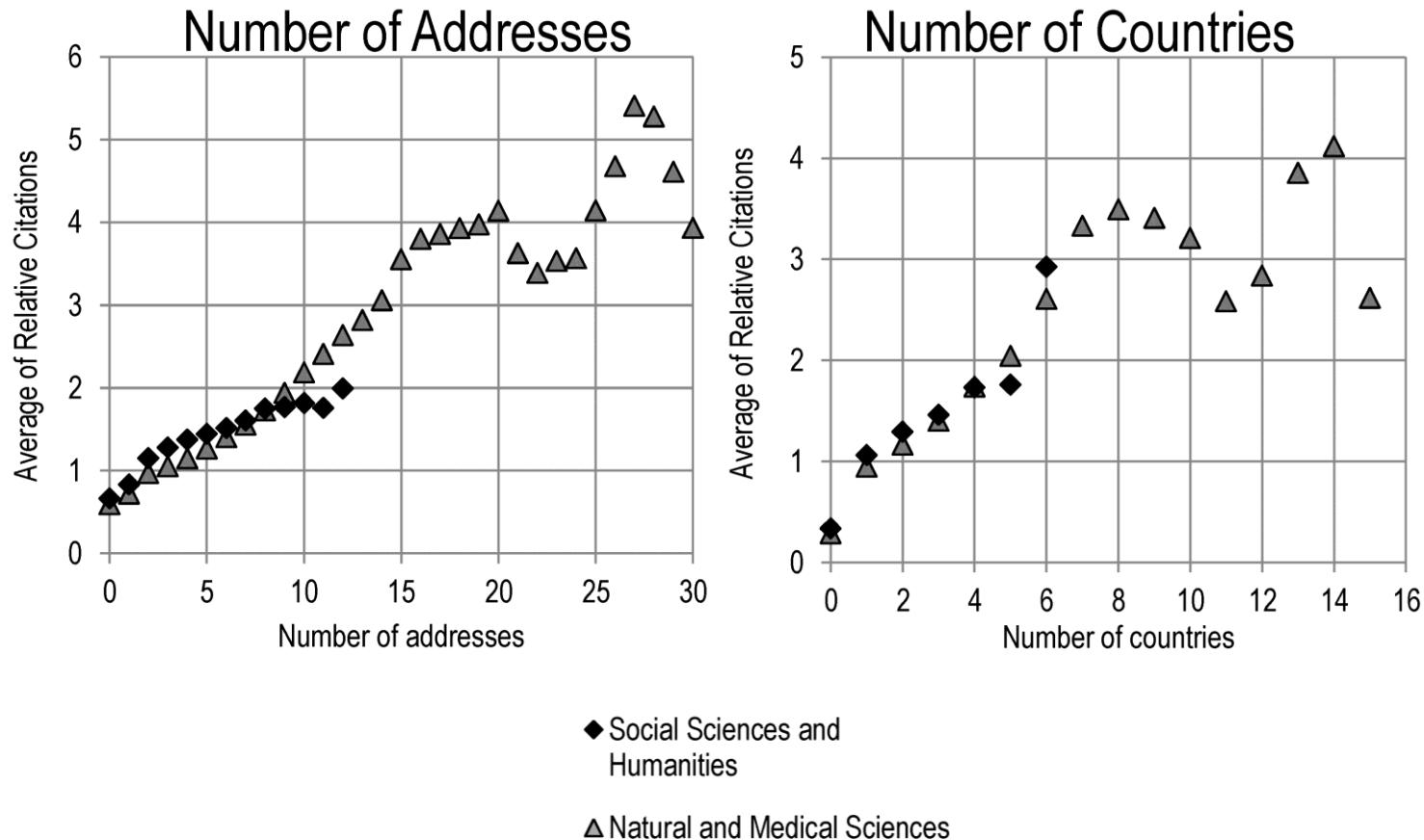
Pourcentage d'articles selon le nombre de pays, 1900-2011



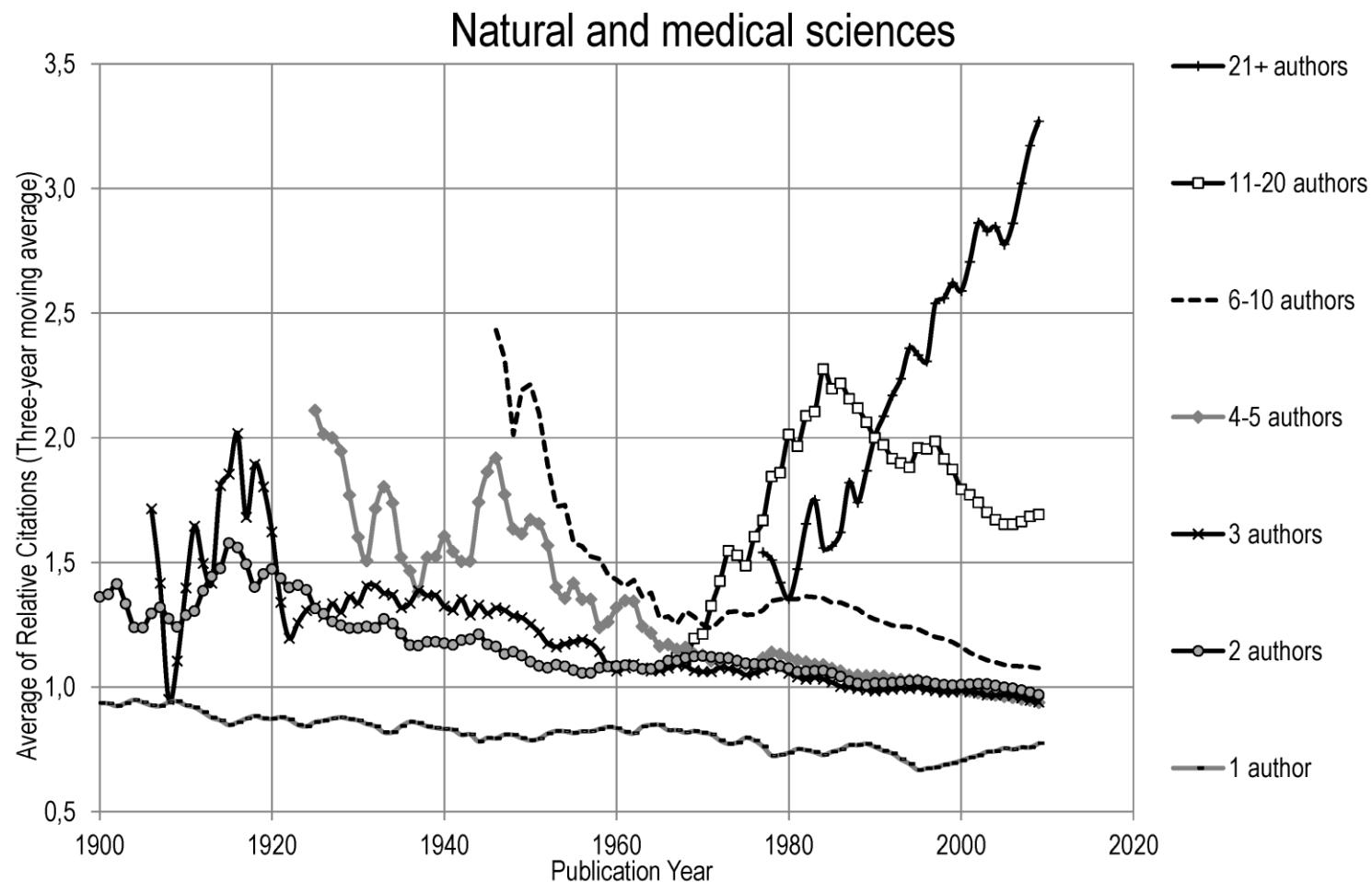
Citations et nombre d'auteurs



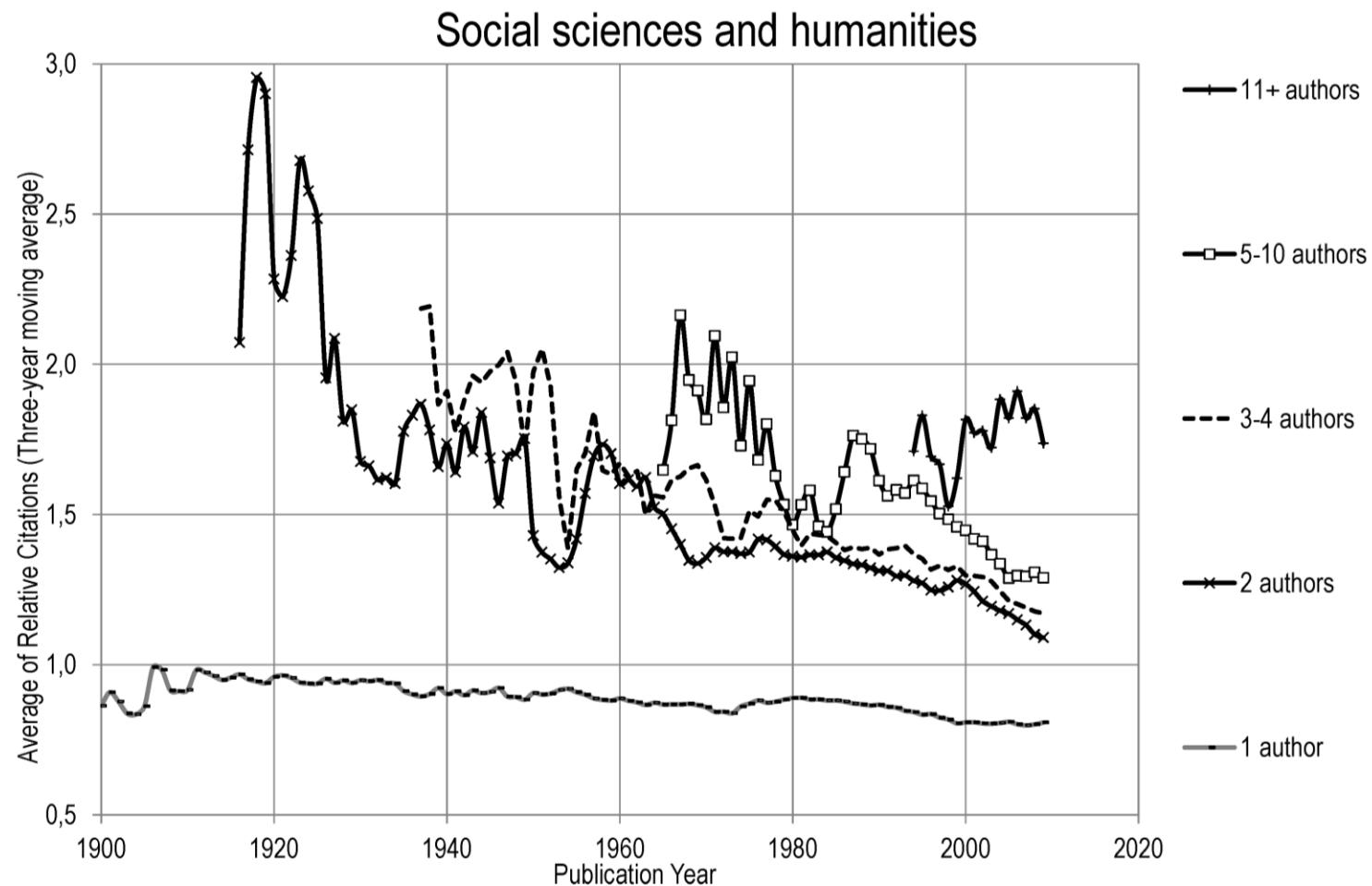
Citations et ...



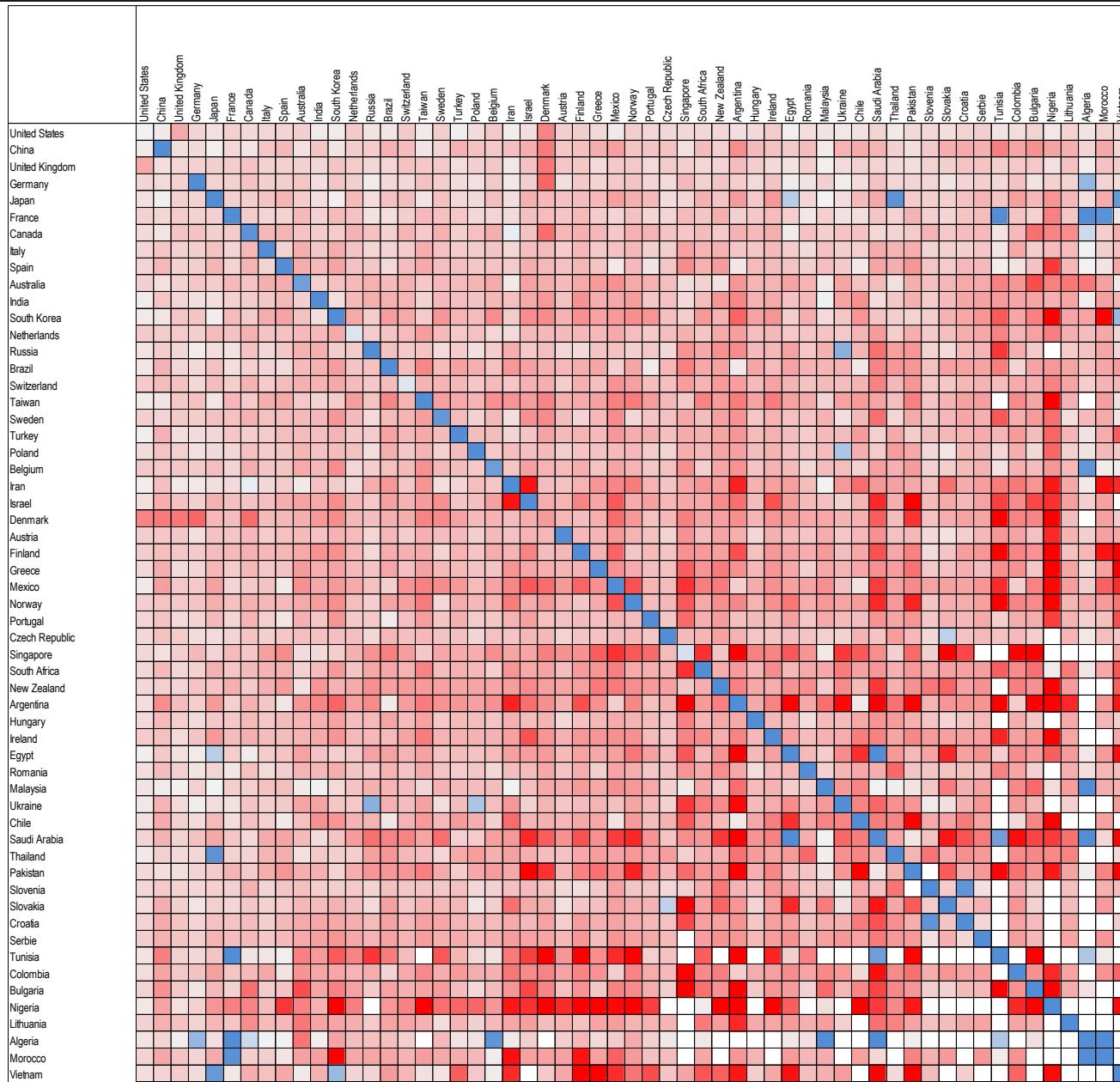
Citations et collaboration, 1900-2011 (n. auteurs)



Citations et collaboration, 1900-2011 (n. auteurs)



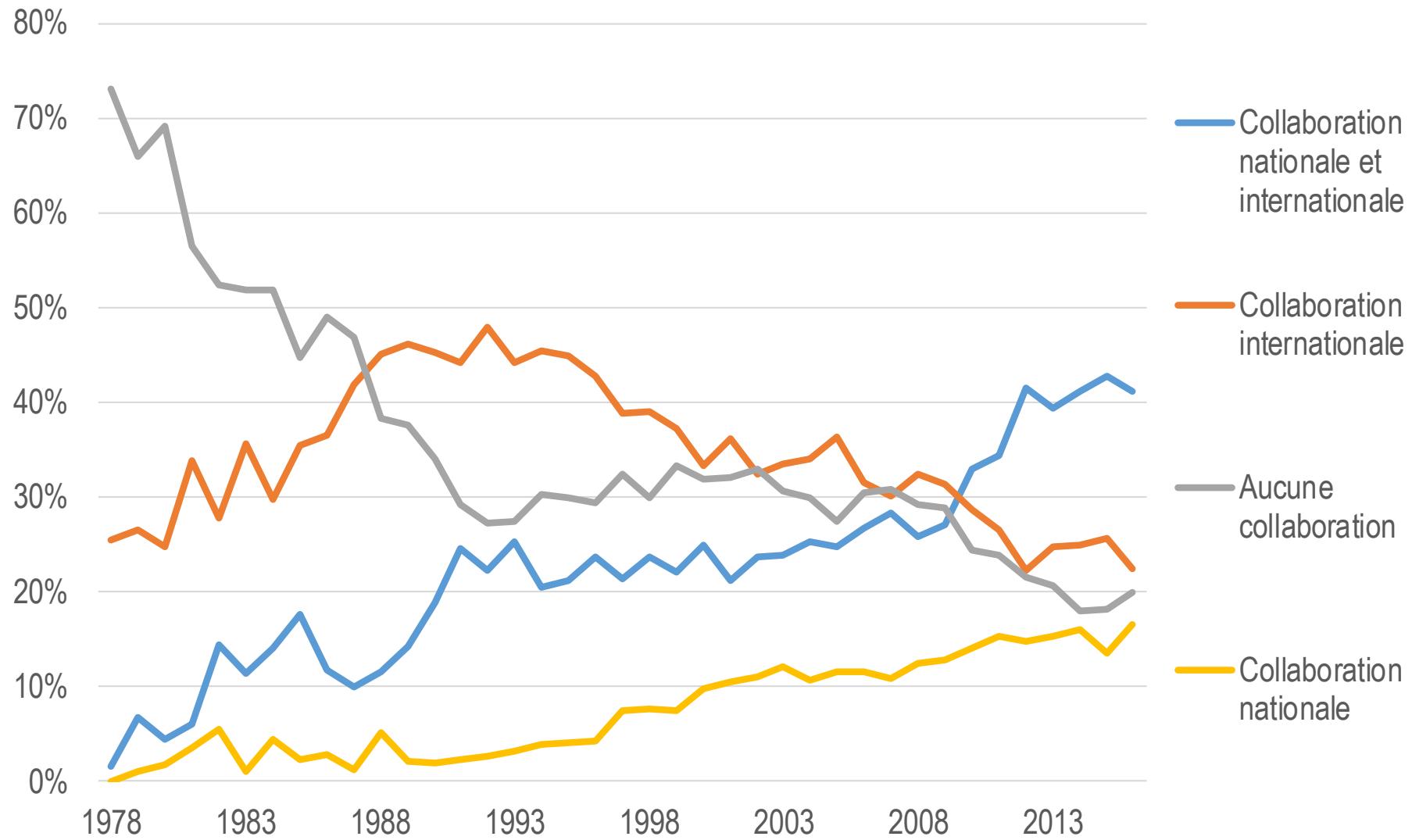
Collaboration internationale: toutes les combinaisons sont bonnes



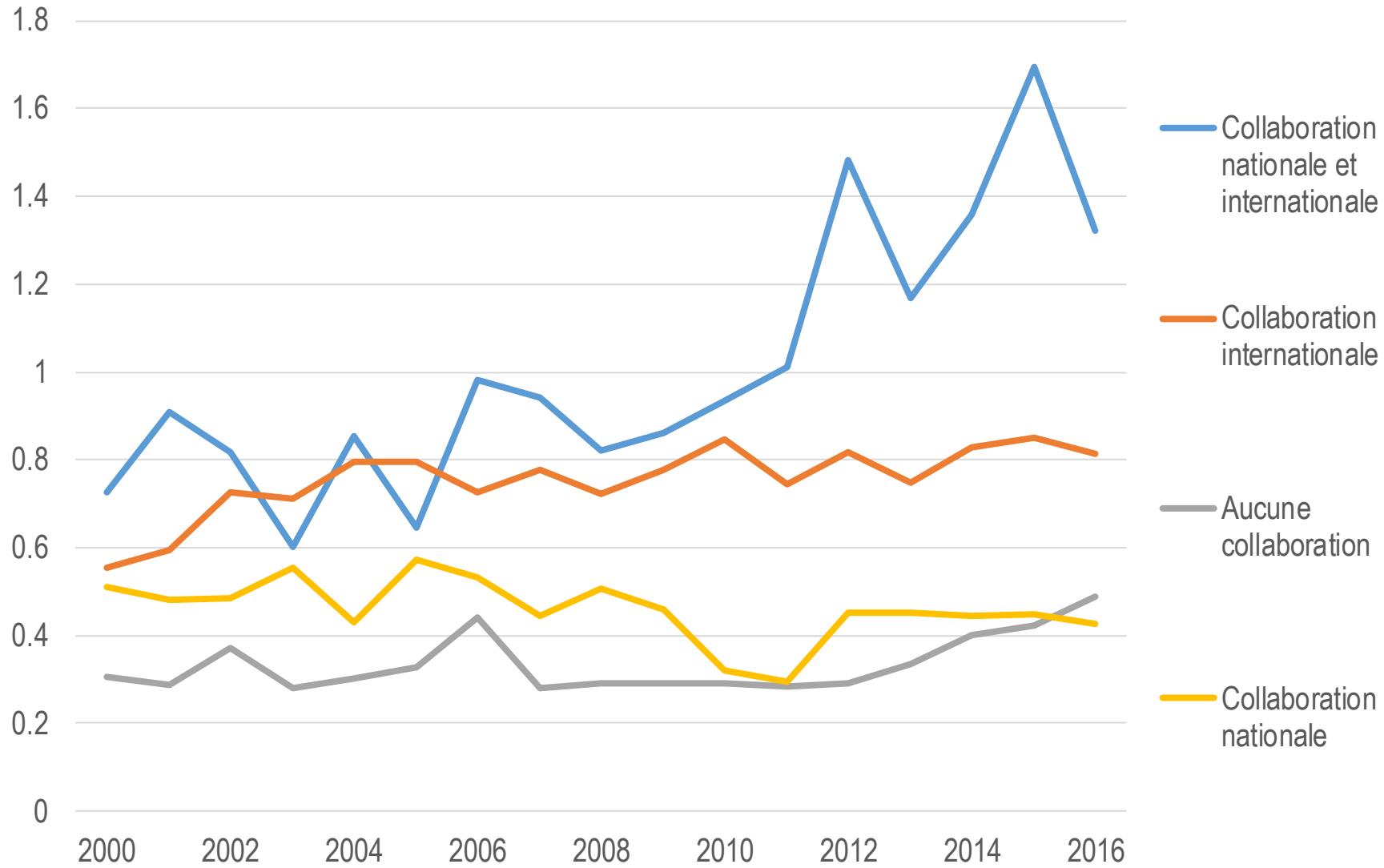
Le cas du Maroc

- Web of Science, 1978-2016
- Quatre types d'articles
 - Sans collaboration
 - Collaboration nationale
 - Collaboration nationale et international
 - Collaboration nationale exclusivement

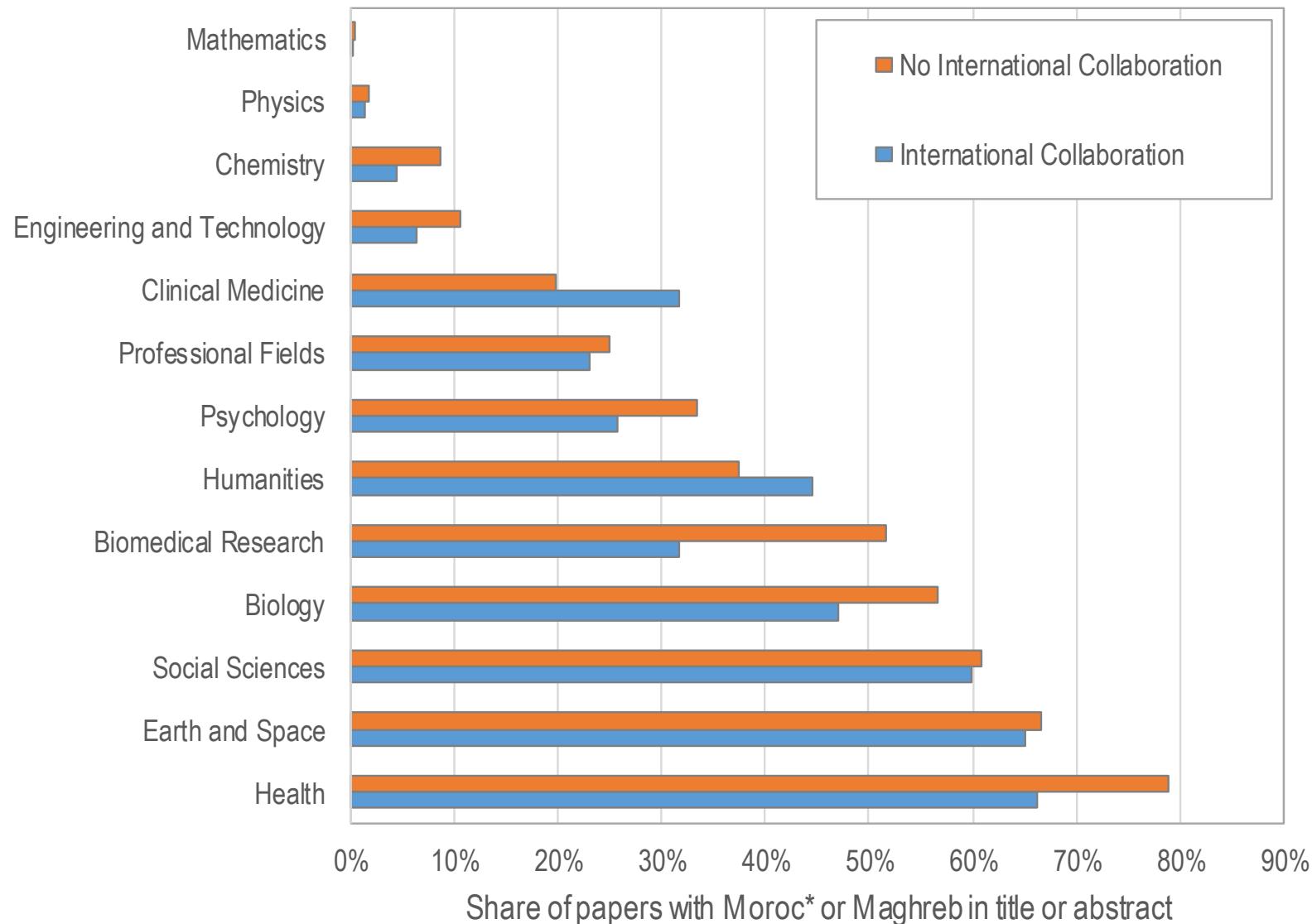
Proportion d'articles selon le type de collaboration (Maroc)



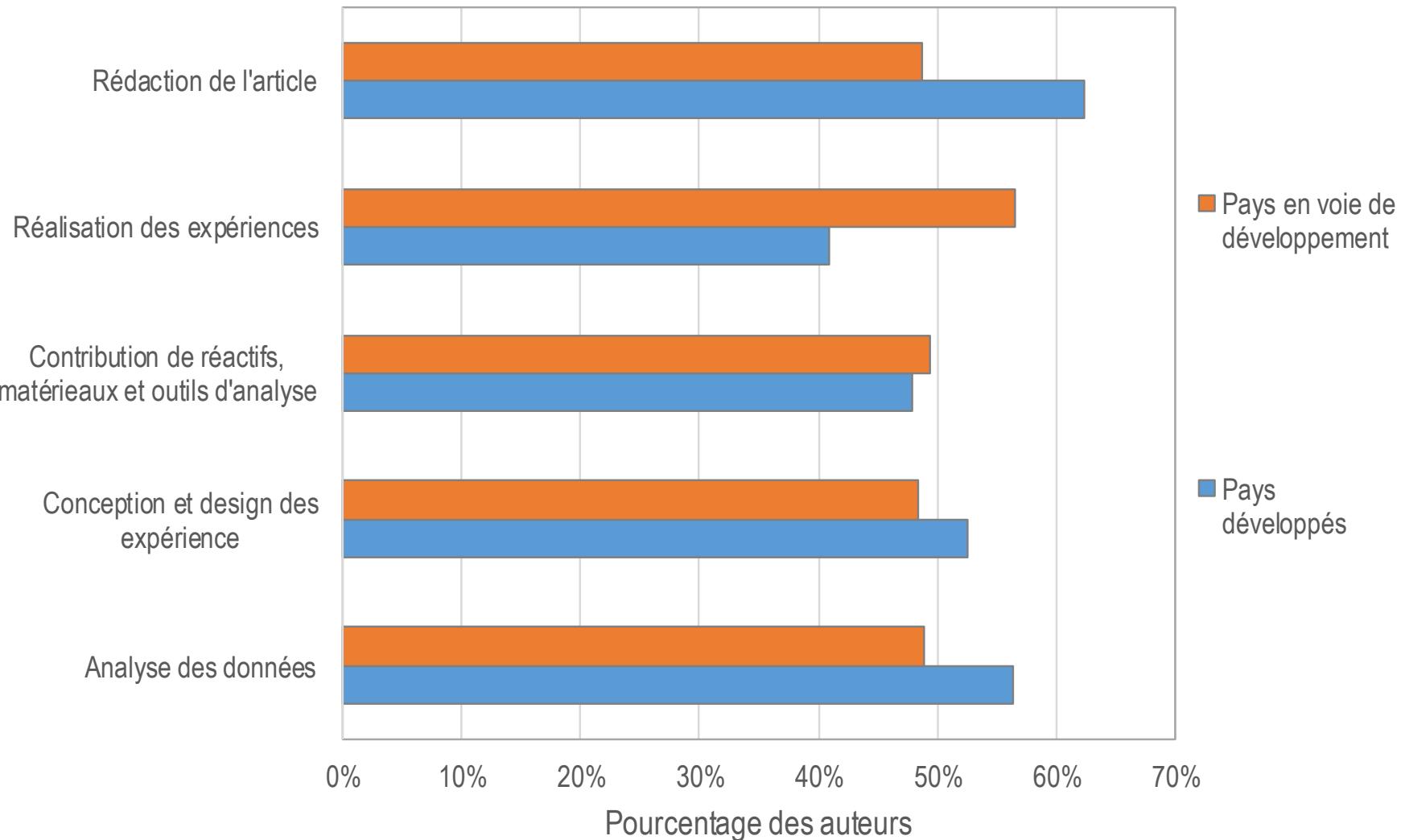
Impact scientifique selon le type de collaboration (Maroc)



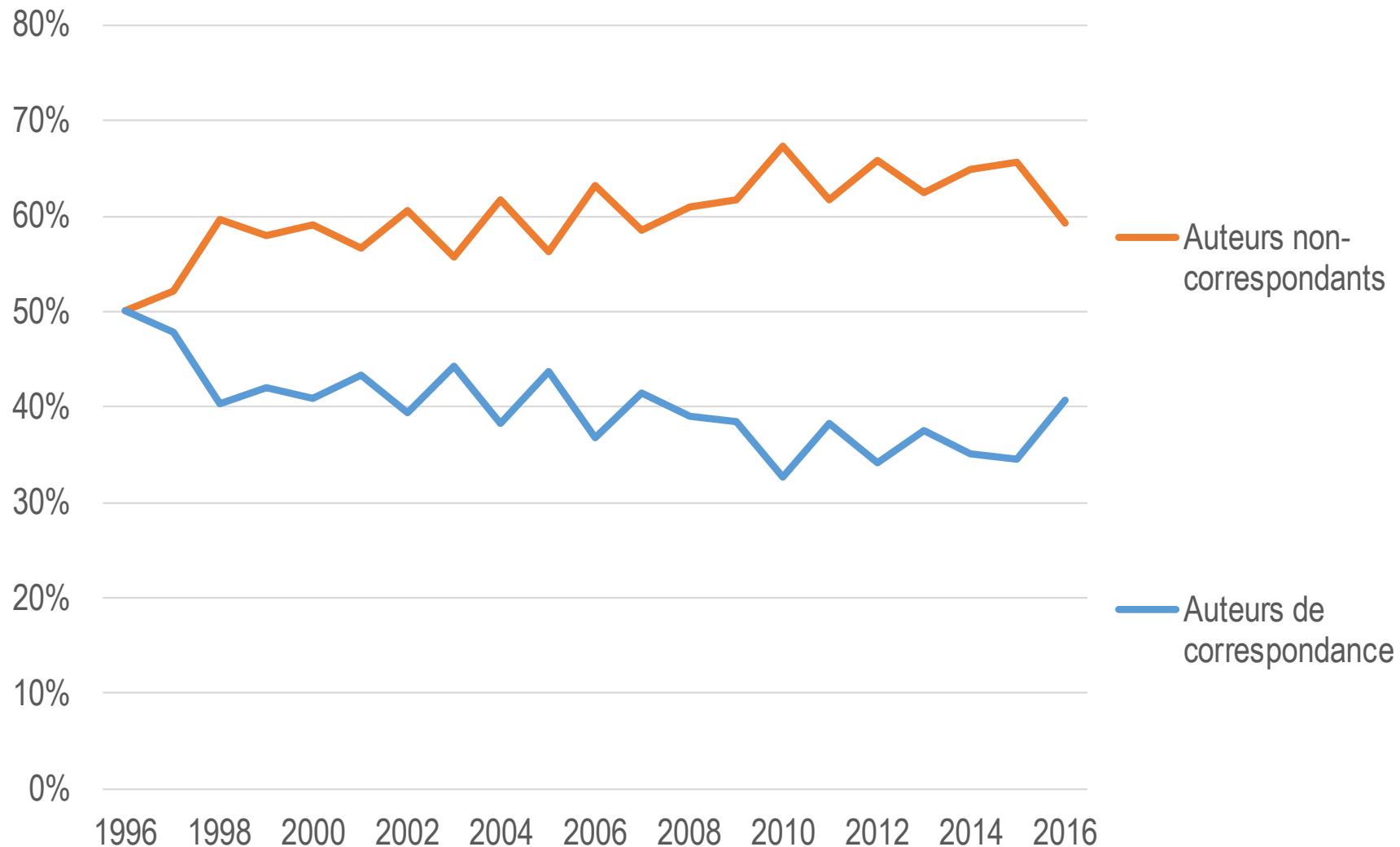
Collaboration internationale et objets (Maroc)



Quel rôle pour les pays du Sud dans les collaborations?



Qui mène la danse dans les collaborations internationales?



Questions?

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Quels collaborateurs?

| Pays | Biology | Biomedical Research | Chemistry | Clinical Medicine | Earth and Space | Engineering and Technology | Health | Mathematics | Physics | Professional Fields | Psychology | Social Sciences | Toutes disciplines |
|----------------|---------|---------------------|-----------|-------------------|-----------------|----------------------------|--------|-------------|---------|---------------------|------------|-----------------|--------------------|
| France | 34% | 37% | 58% | 31% | 40% | 49% | 19% | 43% | 13% | 20% | 24% | 30% | 30% |
| Spain | 11% | 9% | 9% | 3% | 11% | 7% | 2% | 9% | 3% | 4% | 4% | 8% | 6% |
| United States | 12% | 6% | 4% | 7% | 8% | 6% | 8% | 7% | 3% | 12% | 26% | 18% | 5% |
| Italy | 4% | 3% | 2% | 2% | 6% | 2% | 2% | 5% | 4% | 8% | 2% | 3% | 4% |
| Germany | 2% | 4% | 4% | 2% | 5% | 2% | 2% | 4% | 3% | 0% | 2% | 6% | 3% |
| Canada | 3% | 2% | 2% | 3% | 3% | 5% | 4% | 4% | 3% | 18% | 9% | 5% | 3% |
| United Kingdom | 3% | 3% | 1% | 3% | 3% | 3% | 7% | 1% | 3% | 12% | 2% | 7% | 3% |
| Portugal | 2% | 1% | 1% | 1% | 3% | 2% | 2% | 0% | 2% | 0% | 2% | 2% | 2% |
| Belgium | 4% | 4% | 2% | 3% | 2% | 1% | 8% | 2% | 1% | 6% | 0% | 2% | 2% |
| Switzerland | 1% | 1% | 1% | 2% | 2% | 1% | 3% | 0% | 2% | 0% | 4% | 1% | 2% |
| Japan | 0% | 0% | 1% | 1% | 1% | 1% | 0% | 1% | 2% | 2% | 2% | 1% | 2% |
| Russia | 0% | 0% | 0% | 0% | 1% | 1% | 0% | 0% | 2% | 0% | 0% | 0% | 1% |
| Turkey | 1% | 1% | 1% | 1% | 0% | 0% | 0% | 1% | 2% | 0% | 2% | 2% | 1% |
| China | 0% | 1% | 0% | 1% | 0% | 1% | 0% | 2% | 2% | 0% | 0% | 0% | 1% |
| Brazil | 0% | 1% | 0% | 1% | 0% | 1% | 1% | 1% | 2% | 2% | 0% | 0% | 1% |
| Tunisia | 3% | 3% | 1% | 3% | 2% | 1% | 5% | 2% | 0% | 0% | 2% | 1% | 1% |
| Netherlands | 1% | 1% | 0% | 1% | 1% | 0% | 1% | 0% | 2% | 2% | 2% | 1% | 1% |
| Sweden | 0% | 1% | 1% | 0% | 0% | 1% | 0% | 0% | 2% | 0% | 0% | 0% | 1% |
| Czech Republic | 0% | 0% | 1% | 0% | 0% | 1% | 0% | 0% | 2% | 0% | 0% | 0% | 1% |
| Poland | 0% | 0% | 0% | 1% | 0% | 1% | 0% | 0% | 2% | 0% | 0% | 1% | 1% |