Table 1 – Main research constructs, variables associated, metrics and procedures.

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| **Main research Constructs** | **Variable/s definition** | **Metric and procedure** |
| SOCIAL ACTIVITY AROUND RESEARCHGATE RESEARCH ITEMS (ORD and linked Publications) | | |
| Self-archived ORD | Number of items published on ResearchGate as “Data”. | * Number of Items   As published by the researchers at RG |
| Social Activity of ORD and publication | Number of reads  Number of citations | * Reads on ORD * Reads on Linked Publications * Citations on ORD * Citations on Linked Publications   As extracted from RG |
| Quality of the self-archived ORD | Quality measured from 0 to 4 | * Score FAIR   Compliance with the 4 FAIR criteria. Scale:  0 = No compliance  1 = 1 FAIR criterion covered  2 = 2 FAIR criteria covered  3 = 3 FAIR criteria covered  4 = 4 FAIR criteria covered  Note: an ORD archived on RG would not be findable. We considered findable an ORD which publishes the link to the self-archived item into a specialized data platform or institutional repository. Only 1 object amongst the 752 satisfied this condition. |
| RESEARCHER PROFILE | | |
| Gender | Nominal classification | * Gender classification using the following values:   Female, Male, Not informed /available |
| Scientific Domain | Nominal classification based on a division of scientific domains (https://en.wikipedia.org/wiki/Branches\_of\_science) | * Scientific domain classification using the following values:   Applied Sciences (medicine and health sciences, engineering and technology) Formal Sciences (computer sciences, mathematics, statistics), Humanities (arts, history, visual arts, philosophy, law) Natural Sciences (biology, chemistry, physics, space sciences, earth sciences), Social Sciences (educational sciences, psychology, political sciences, business, economics, anthropology, archelogy), not available. |
| Geographical Region | Nominal classification based on geographical regions as used at SCOPUS Viz Tools (<https://www.scimagojr.com/countrygraph.php>) | * Geographical classification based on the following regions   Africa, Asiatic Region  Middle-East, Eastern Europe  Western Europe, Russia  Northern America, Latin America, Pacific Region, not available. |
| Professional Position | Nominal classification according to the experience and type of academic activity. | * Classification relating the following groups of professional activity   Student (post-graduate, PhD), Assistant (Technical, teaching, research); Mid-position, technical (Journalist, Librarian, Technologist, Researcher practitioner)Mid-position, academic (Lecturer, Researcher, Professor), Leader (Coordinator, Manager, Director), Retired Scholar. |
| Reseacher’s Reputation | RG Score | * Value (continuous scale)   As calculated and extracted from the ASN platform |