

# The Economics of Social Science in the Middle East and North Africa: Analysis of Funding for Social Science Research and Knowledge Production in the MENA Region 

Prepared by the Governance and Local Development Institute ${ }^{1}$

1 This report was prepared by the Governance and Local Development Institute

We gratefully acknowledge the efforts of the many GLD team members who contributed to this report: Jennifer Bergman and Mina Ghassaban Kjellén led the data collection and coding team; Hanna Andersson, Emelie Hultén, Paulina Jennebratt, Linnéa Nirbrant, Kristin Bäck Persson, Joel Sigrell coded grants and calls for proposals; Erica Ann Metheney, Samuel Wakuma, and Victor Saidi were responsible for data analysis and visualization; Jennifer Bergman, Mina Ghassaban Kjellén, Ellen

Lust, and Samuel Wakuma wrote the report; Rose Shaber-Twedt edited the report; and Sara Bjurnevall designed the report and led dissemination. Ellen Lust headed the effort. We benefitted from input and discussion by Nehal Amer, Lisa Anderson, Rabab El Mahdi, Dima Toukan, and other members of the REMENA project. The Swedish Research Council International Recruitment Grant (Swedish Research Council - E0003801) funded the report.

Governance and Local Development Institute

## Executive Summary

The study, prepared for the Research Ethics in the Middle East and North Africa (REMENA) Special Commission on Social Science Research in the MENA, aims to provide an overview of funding for social science research on the MENA region. Based on a systematic review of calls for proposals and 924 grants and projects from 23 organizations, it provides insights into the relationship between funding and social science research on the MENA region and raises questions for future research. Specifically, it concludes:

- Available data suggest that funding levels for the social sciences have remained stable, with most funding directed toward research projects. However, questions remain regarding the extent to which these funding levels are similar to support for other organizations (e.g., privately funded consultancies, multilateral organizations) and, thus, what this implies for social science knowledge production on the region.
- Funding has been directed toward political science, with funders based in different regions appearing to prioritize different issues. US-based foundations appear to prioritize Peace \& Conflict and International Relations; European funders concentrate on Migration and Refugees, Society, Peace \& Conflict, and Religion; and MENA-based organizations focus more on Development and International Relations. These priorities may reflect differences in strategic interests and social concerns in the US, Europe, and MENA region, raising questions about the implications of high levels of external funding on the production of social science knowledge on the region
- Countries receive varied attention, with US funders particularly likely to support research on Egypt and EU funders spending more on Turkey. These different foci may reflect differences in the strategic importance of Egypt and Turkey in the US and Europe, respectively. This raises questions, however, regarding how the heavy emphasis on a few countries in the region shapes how scholars, policymakers, and practitioners perceive 'the MENA region'
- Male Pls receive larger amounts of funding than female Pls. Solo male Pls received approximately $65 \%$ more funding per project than solo female Pls, 65d more PI teams received ove $45 \%$ more and all-male prean the Further research is required to understand whether this reflects gender differences in the size or nature of research projects, the PIs' budget requests, or the magnitude of funding foundations are willing to provide.
- Funding calls generally lack formal requirements for collaboration, particularly across the MENA region or different types of organizations To what extent could and should funders seek to promote collaborative research, and are there funding mechanisms available that would support the discussion and accumulation of findings gained across diverse MENA-related research institutions (e.g., academic communities, think tanks, consultancies)? Given the differences in research priorities and perspectives discussed in the report, funders and researchers should consider possible mechanisms that foster greater collaboration and aid in the accumulation of social science knowledge across the region.


## The Economics of Social Science in the Middle East and North Africa: Contextual Examination of Funding for Regional Social Science Research and Knowledge Production

Prepared by The Governance and Local Development Institute

## ntroduction

The Middle East and North Africa (MENA) region suffers from one of the lowest global averages for esearch and development funding. The 2021 Science Report by the United Nations Educational, Scientific and Cultural Organization (UNESCO) revealed that the Gross domestic expenditure on research and development (GRED) as a share of Gross Domestic Production (GDP) for Arab states averaged 0.49 percent in 2018, compared to the global average of .79 percent. ${ }^{2}$ Social sciences ranked the second owest among nationally funded research fields, averaging under 15 percent of GRED among Arab states; this is second only to arts and humanities which averaged under 10 percent. ${ }^{3}$ The low GRED rates in the MENA region have resulted in a relatively high dependency on external and private funding sources for social science research efforts, introducing a host of questions about how these funding sources influence the focus, approaches, and utilization of related research

This study's overall objective is to provide an overview of funding for social science research on the MENA region, focusing primarily on external sources.

2 UNESCO. (2021). Science Report: the race against time for smarter
development.
3 It is worth noting that in countries such as Qatar and the UAE, the governments aspects of the arts and humanities. This makes the funding for social science even more
striking.


Specifically, the report examines how social science research funding on the MENA region contributes to shaping research topics, methods, and collaborations Doing so will provide insights into the impact of funding sources on the focus and processes of social science knowledge production on the region. This study was prepared for the Research Ethics in the Middle East and North Africa (REMENA) Special Commission on Social Science Research in the MENA, a project designed to develop guidelines for the conduct of responsible, ethical, and constructive social inquiry.

Data Collection Process
In the first step of the data collection effort, research assistants at the Governance and Local Development Institute compiled a list of funding sources. This initial stage aimed to determine a general overview of funding sources, finding 44 of various types. After determining which funding sources/organizations had made available the information needed to answer the questions at hand, we were left with 23 organizations These fit into two categories: organizations that fund research or research organizations, and organizations that conduct research in the MENA region ${ }^{4}$. The latter

4 With regard to research centers in the region, iven avalable data we are unable to separate the funding proond
provided from internal endowments. provided from internal endowments.
can be further divided into centers in and of the region and centers located in the region but are foreign entities. We located 924 grants and projects from these different organizations. For further details, please refer to Tables 1 and 2 in the Supplementary information (SI) section, available online at https://gld.gu.se/media/2938/supplementary_info_remena.pdf

We also gathered calls for proposals to consider the extent to which donors explicitly attempt to shape research agendas and processes. Unfortunately, we were unable to locate calls for proposals from al donors examined in this report. However, we gathered calls from a select group of funders, including the Carnegie Corporation of New York (Carnegie), Riksbankens Jubileumsfond (RJ), Swedish Research Council (VR), US National Science Foundation (NSF), and the European Union Horizon Grants.

Eight research associates worked on coding the material gathered on the grants and projects. Most information was available on the organizations' websites; however, the team used Google searches to find additional information when necessary. Most often, this was information about the specific project, Pls, and collaborators. All links were saved to ensure the coding process could be replicated by a third party. Funding values in different currencies are converted to an equivalent USD amount using a yearly average cross- currency rate provided by Sveriges Riksbank. ${ }^{5}$ (A more detailed discussion of the data collection and coding process can be found in Appendix A of the SI online.)

The data collection process posed some inherent challenges. In some instances, it was not possible o acquire complete and accurate information for the time frame in question. This is primarily because some funding organizations do not have records of previous projects readily available on their websites, and other unding organizations that used to support social science research in the MENA have been discontinued. Additionally, there were cases of missing details regarding certain aspects of funded projects
during the review period. To address these issues, we focused our primary analysis on the most recent time frame, 2016-2021, for which there was a higher level of completeness and comparability among funding sources. Finally, resource constraints and limited availability of information led us to a dataset that focused primarily on funding from select foundations in the US and EU. As we discuss in the conclusion, this leaves important questions about the extent to which these funding streams are congruent with, or differ from, funding from private sources, multilateral organizations, MENA-based public foundations, and others that contribute to the production of social science knowledge.

## Findings

The data allows us to address four questions: What funding levels are provided to support research on the MENA region, and how does this vary across time? What topics and countries receive the most attention, and which are largely overlooked? Who receives research support? And to what extent do research funders shape the study of the MENA region?

## Funding Levels

First, we were interested in funding levels available for social science research in the MENA region. Due to limitations in the data collected (see above), we consider this information over two time periods. The first covers 2000-2021; in this analysis, we exclude the funding from the European Union (EU) and Open Society Foundation (OSF), as we lacked data from them going back that far. The second period covers 2016-2021 and includes all funders

We find increased available funding for the region in recent periods, although Carnegie and VR were the predominant funders over the last decade (see Figure 1). The increase may be partly because we selected currently active funders, and we have better information on more recent projects. No directional trend was apparent in the cumulative fundings from 2017 onwards.

Considering the types of projects funded, research accounted for the largest share of funding from 2001 to 2021. Workshops and scholarly exchanges received less funding, as shown in Figure 2. The 'other' funding, we expect, is intended to support research-oriented infrastructures, such as ACSS. Our data suggest this funding was provided largely by organizations such as

Carnegie and OSF $^{6}$. (For a representation of funding over time by different organizations and distribution of funding by project type, see Figure 1 and Tables 3 and 4 in the appendix.)


Figure 1: Total Funding from 2001-2021


Figure 2: Type of Projects Funded by Year (2000-2021)

Topics and Countries of Study
We next analyzed the distribution of funding among different topics and countries. Some grants cover multiple topics or countries; in some cases, the specific topic or country of focus is not specified in the available data. This is particularly true for larger grants, such as research infrastructure and network projects.

First, we found that most of the research funding in the last five years is directed toward topics related to

Society, Peace \& Conflict, and -to a lesser extentMigration and Refugees. (For a complete list of grants and topics included in the analyses, see Table 1 in the appendix.) As illustrated in Figure 3, these topics are well-represented, both in terms of the number of projects and grants awarded. In contrast, we found fewer projects and less funding were directed toward studies related to Law, the Environment, and Political Institutions.


Figure 3: Number of Projects and Amount Awarded to Study Each Topic (2016-2021)

There appear to be some differences in funder priorities. We first considered differences between US- and EU-based funding. The US-based foundations devoted a sizeable amount of their financing to research on Peace \& Conflict, International Relations (e.g., Carnegie), and, to some extent, Society (Ford). On the other hand, funding from Europe (such as EU Horizon and VR) concentrated on Migration and Refugees,

Society, Peace \& Conflict, and Religion (see Figure 4). This is not altogether surprising, as migration is a more immediate concern to Europeans, who receive more refugees and other migrants than the US (see Figures 2-5 in the appendix for a more detailed breakdown of topics and donors). In our dataset, the number of projects funded for research on Society is roughly equal between EU and US sources (see Figure 5).


Figure 4: Amount per Topic Group by Funding Source, 2016-2021


Figure 5: Number of Projects per Topic by Funding Source, 2016-2021

For comparison, we include organizations based in the MENA region, for which we have available information, in Figure 6. We see that the number of projects focused on Peace \& Conflict and Society funded by MENA-based organizations are similar to those funded by their American counterparts. However, these local
organizations tend to prioritize areas such as Development and International Relations that get far less attention from Higher-Income Country (HIC) funders. (Further detail on the distribution of funding based on the nature and geographic base of the funder can be found in Figures 11-13 in the appendix.)


Figure 6: Number of Projects per Topic by Funder's Region

We did not observe strong evidence of change in the topics of interest over time. However, it is worth noting that there was a slight increase in the number of projects related to Migration \& Refugees between 2013 and 2018. Given the increase in migration and refugees in the aftermath of the Arab uprisings and subsequent civil conflicts, such an increase may reflect how social science research could be driven by the current social and political challenges, particularly of the donor country (see Figures 6 and 7 in the appendix).

We next consider which countries receive attention. Comparing the average amount of funding by country,
we find that Morocco and Turkey received more funding per approved project than other countries in the region (see Figure 7). On the other hand, on average, Bahrain, Kuwait, the UAE, Saudi Arabia, and Qatar received less funding per project. These variations may be due to larger populations and greater accessibility of some countries than others. They may also be driven by a lower number of costly projects in certain countries or a large number of projects competing for limited funding in others. For example, Egypt receives the most funding, but also leads in the number of projects, pushing down the calculated average.


Figure 7: Average Amount Awarded per Project by Country

[^0]
## 7 It is important to keep in mind that larger foundations (e.g, Carnegie, Ford) do not specify countries of focus for a number of projects.



Figure 8: Amount Awarded to Projects by Country of Study and Organization Base

Because projects often focus on multiple countries, we further divide our analysis to examine whether the country was the sole focus of the study or part of a multi-country comparative study. In Figure 9, we see that Egypt is the most frequent recipient of funding for single-country projects. We also see that Syria is highly likely to be funded in a multi-country project but
much less likely in a single-country project. Many othe countries - such as Turkey, Palestine, Lebanon, Iran Tunisia, Morocco, Iraq, Qatar, Kuwait, Saudi Arabia, and Yemen - were also more likely to be part of multi-country projects. Jordan appears to have had equal access to funding for both single and multicountry projects.


Single Country Project?
$\square$ No
Yes

Figure 9: Number of Single- and Multi-Country Projects by Country

Given the differences in the countries funded for single- or multi-country projects, we next explore how much money is awarded to study each country. In Figure 10, we divided the total awarded amount by the number of countries studied in the project. This is an estimate, as projects may not allocate funding equally in each country. However, in the absence of more complete data, we believe it also provides a
useful measurement of how much money was awarded to study each country. Accordingly, Egypt received the most funding at over 20 million USD Turkey and Syria also received substantial funding, as depicted in the figure. Additionally, Palestine, Iraq Morocco, Tunisia, Jordan, and Israel each received relatively similar amounts - around 5 million USD


Awarded to Study Each Country (2001-2021)
8 It is important to keep in mind that larger foundations (e.g, Carnegie, Forr) do not
specify countries of focus for a number of projects.

Who Gets Funding?
We consider the funding recipients, looking at principal The majority of funding and projects were given to investigators and collaborators. We are particularly Principal Investigators (PIs) working in fields related interested in researchers' genders, disciplines, country to political science, as shown in Figure 11. As demonbase, and type of home institutions. As there was more strated in Figures 6 and 7 in the appendix, funding ambiguity and missing data on institutions, we provided a summary in the SI. for topics such as migration and refugees - coded as Political Science - has been on the rise.


Figure 11: Number of Projects and Amount Awarded to Pls from Each Discipline (2001-2021)

Unsurprisingly, the geographical location of Pls seems to affect the distribution of research funding in the region. This is evident from Figure 13, which demonstrates that Primary Pls situated in Europe and the US are more likely to secure substantial funding


Where we can locate information on principal investigators (PIs), we find that a greater proportion of these projects are led by a single PI. As shown in Figure 12 this gap in the number of projects has become more


Number of Pls - single PI — Multiple Pls
Figure 12: Number of Projects and Amounts Awarded to Single-PI versus Multi-PI Projects over Time
pronounced since 2010. This suggests funders were not particularly focused on promoting collaboration among scholars in the region or with those in HICs
when compared to those based in the MENA or othe regions. (For comparisons between countries solely within the MENA region, please refer to Figure 15 in the appendix.)

Finally, concerning gender, we find that there were more female-led projects (female solo and all-
female teams) receiving funding than male-led projects. However, on average, female solo PIs and female-led teams received less funding than male solo PIs, male-led teams, and gender-mixed teams

It would be interesting to know if this is because male-led and mixed teams are more likely to lead larger (and more expensive) projects, request greater amounts of funding, or if they are more likely to receive their full-budget requests. (See Figure 14 below and details in Table 2 of the appendix.)


Figure 14: Number of Projects and Amount Awarded by Gender Composition of Team


Figure 15: Distribution of Required Topic Groups over Time (2016-2021)

## Calls for Proposals

We turn to the calls for proposals to explore the extent to which donors explicitly shape research agendas and processes. Excepting calls from NSF (as shown in Figures 16 and 17 of the appendix), most of the calls analyzed were open calls, giving researchers a degree of latitude in what to study. However, some calls specify particular topics or disciplines, as shown in Figure 15, and the trendiness of topics and both the donors' and reviewers' view of 'relevance' may drive the research direction. Furthermore, as demonstrated in Figures 18-19 of the appendix, the results remain unchanged when the complete dataset covering the 2001-2021 period is analyzed.

We also find some limited attempts by donors to shape research processes. For instance, some donors require collaborations, either across non-MENA countries or between MENA and non-MENA countries (see Figure 14 in the appendix). Importantly, however, we did not find calls for proposals that specifically required collaboration across the MENA region.

## Conclusions

What have we learned? A few findings emerge, providing insights into the relationship between funding and social science research on the MENA region and raising questions for future research and consideration.

- Available data suggests that social science funding levels have remained stable, with most funding directed toward research projects. To what extent are these funding levels similar to support for other organizations - such as privately funded consultancies, multilateral organizations (e.g., UN, World Bank), MENA-based foundations, institutes, universities, and think tanks?
- Funding has been directed toward political science, with funders based in different regions appearing to prioritize different issues. US-based foundations appear to prioritize Peace \& Conflict, International Relations, and to some extent, Society, while European funders concentrate on Migration and Refugees, Society, Peace \& Conflict, and Religion. MENA-based organizations have a greater focus on Development and International Relations, as well as Peace \& Conflict and Society. These priorities may reflect differences in strategic interests and social concerns between the US, Europe, and MENA. Given this, what are the implications of the high levels of external funding on the production of social science knowledge on the region?
- Egypt receives a lot of attention. There are more projects focusing on Egypt than on any other single country, and it is the country most likely to be the focus of a single-country study. US funders are particularly likely to support research on Egypt, compared to the EU, which tends to spend more supporting research on Turkey than other donors do. These different foci also appear to reflect differences in the strategic importance of Egypt and Turkey in the US and Europe, respectively. However, how does the heavy emphasis on a few countries in the region affect how scholars, policymakers, and practitioners conceive of 'the MENA region'?

Male Pls receive larger amounts of funding per project than female Pls. Solo male Pls received approximately $65 \%$ more funding per project than solo female Pls, and all-male PI teams received over $45 \%$ more funding per project than allfemale PI teams. What explains the differences in the magnitude of funding? Does this reflect differences in the size or nature of research projects, the Pls' budget requests, or the magnitude of funding foundations are willing to provide?

Funding calls generally lack formal requirements for collaboration, particularly across the MENA region or different types of institutions. To what extent could and should funders seek to promote collaborative research? Are there funding mechanisms that would support the discussion and accumulation of findings gained across diverse MENA-related research institutions (e.g., academic communities, think tanks, consultancies)?

In short, we reveal important differences in the funding allocated to study different topics, countries, and disciplines. Moreover, we find that there are, to an extent, regional variations in funding priorities, with foundations in the US, EU, and MENA emphasizing different topics and countries. We are unable to fully determine the extent to which these decisions affect the totality of social science knowledge of the MENA, given the limited availability of data on past funding and the absence of data on the funding decisions of private consultancies, multilateral organizations, and other non-academic research organizations. We hope that this study provides a foundation for further exploration of these questions and a consideration of the impact resource allocations have on the production of social science knowledge in the region.

## Appendix. Additional Information



Figure 1: Type of Projects Funded by Year (All Funders)



Figure 3: Amount per Topic Group by Donor


Figure 4: Number of Projects per Topic Group by Donor


Figure 5: Amount per Topic by Funders


Figure 6: Number of Projects per Topic over Time (2000-2021)


Figure 7: Amount Spent on Projects per Topic Over Time (2000-2021)



Figure 9: Amount Awarded to Projects by Country of Study and Donor


Figure 10: Amount Awarded by Region of Study and Organization-Base Type


Figure 11: Amount Per Topic Group by Organization Type
Note: No information for Universities


Figure 12: Amount per Topic Group by Organization - Base Type


Figure 13: Number of Projects per Topic Group by Organization - Base Type


Figure 14. Distribution of Required Collaboration by Organization


Figure 15: Number of Projects and Amount Awarded by Pls' Home Country (Primary PI Based in MENA Country) (2000-2022)



Figure 17: Distribution of Topic Group by Organization


Figure 18: Distribution of Required Topics over Time (2001-2021)
Note: We only included Topics with more than 5 observations


Figure 19: Distribution of Required Topics Over Time (2001-2021)

Table 1: List of Grants by Topic Group by Funder (2000-2021)

| Topic Group | Carnegie | Ford | NSF | RJ | VR | Grand Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Culture | \$1402900,00 | \$1843 510,00 | \$ 10987433,00 | \$802748,10 | \$2767 112,20 | \$17803703,30 |
| Communication/ Media | \$802900,00 | \$1843 510,00 | \$2833970,00 | \$802 788,10 | \$778 839,70 | \$7061967,80 |
| Cultural Heritage |  |  | \$455922,00 |  | \$1988 272,50 | \$2 444 194,50 |
| Culture | \$ 600000,00 |  | \$7697541,00 |  |  | \$8297541,00 |
| Development | \$1070 000,00 | \$7246694,00 | \$2 117 694,00 |  | \$1823 850,90 | \$ 122588238,90 |
| Agriculture |  |  | \$ 571 751,00 |  |  | \$ 571 151,00 |
| Development | \$ 970 000,00 | \$3 153 694,00 | \$ 865 351,00 |  |  | \$4989 045,00 |
| Education | \$ 100000,00 | \$2215000,00 | \$ 184812,00 |  | \$1823 850,90 | \$4323662,90 |
| Public healh |  | \$1878000,00 | \$ 495 780,00 |  |  | \$2 373 780,00 |
| Discipline: Humanities |  |  | \$1 103834,00 |  | \$ 584272,50 | \$1688 106,50 |
| Archeology |  |  |  |  | \$ 584272,50 | \$ 584272,50 |
| Ethics |  |  | \$1 103834,00 |  |  | \$1 103834,00 |
| Discipline: Methods | \$ 100000,00 |  | \$ 420 330,00 |  |  | \$520 330,00 |
| Data Science |  |  | \$420 330,00 |  |  | \$420 330,00 |
| Research methods | \$ 100 000,00 |  |  |  |  | \$ 100 000,00 |
| Discipline: | \$ 100000000 |  |  |  |  | \$ 10000000 |
| Multidisciplinary |  |  |  |  |  |  |
| Multidisciplinary | \$ 100000,00 |  |  |  |  | \$ 100000,00 |
| Discipline: STEM | \$ 6255000,00 | \$ 350 000,00 | \$ 14393133,00 |  |  | \$ 20998133,00 |
| Engineering | \$ 10000000 |  | \$6070 405,00 |  |  | \$6170 405,00 |
| Mathematics |  |  | \$ 355000,00 |  |  | \$ 355000,00 |
| Science | \$5 180 000,00 |  | \$1695933,00 |  |  | \$687593,00 |
| Technology | \$975 000,00 | \$350000,00 | \$6276 795,00 |  |  | \$7601795,00 |
| Economics | \$1 140 200,00 | \$ 1965000,00 | \$1485 657,00 |  | \$1659029,13 | \$6 249888,13 |
| Economic Inequality |  | \$1665 000,00 | \$1 442 299,00 |  |  | \$3 107 299,00 |
| Infrastructure | \$540 200,00 |  |  |  |  | \$540 200,00 |
| Labor marketLivelihood | \$600000,00 | \$300000,00 | \$28667,00 |  | \$ 829514,56 | \$1758 181,56 |
| Remitances |  |  |  |  | \$ 829514,56 | \$829514,56 |
| Trade |  |  | \$14771,00 |  |  | \$14771,00 |
| Environment | \$2055 000,00 | \$270000,00 | \$7993 306,00 |  | \$1802 651,48 | \$ 12120957,48 |
| Climate Change \& Environment | \$1555000,00 | \$ 120000,00 | \$7884336,00 |  | \$1722 264,64 | \$11281600,64 |
| Disasters/Resilience |  |  |  |  | \$80 38,84 | \$80 38,84 |
| Natural resources |  |  | \$90971,00 |  |  | \$90971,00 |
| Sustainability | \$500 00,00 | \$ 150 000,00 | \$17999,00 |  |  | \$ 667 999,00 |
| Humanities | \$298500,00 | \$6440 000,00 | \$23723,00 | \$5026416,49 | \$4 150 461,75 | \$15939 101,24 |
| Language, Literature, and Art | \$ 298500000 | \$6440 000,00 | \$23723,00 | \$5026 416,49 | \$4 150 461,75 | \$ 15939 101,24 |
| Int. Actors \& Relations | \$27 386900,00 | \$1980 000,00 | \$1862715,00 |  | \$2 241 808,44 | \$33471423,44 |
| International Agencies/ | \$1 100 000,00 |  |  |  | \$215740,00 | \$1315740,00 |
| Humanitarian Activities |  |  |  |  |  |  |
| International relations/Foreign policy | \$21344 100,00 | \$ 450 000,00 | \$1851 383,00 |  | \$4877006,92 | \$ 25133089,92 |

Table 2: Number and Amount Awarded by Gender Composition of Team Grouped by Year

| Transnational movements/net- | $\$ 4942$ 800,00 | $\$ 1530000,00$ | $\$ 11332,00$ |  | $\$ 5$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| works |  |  |  |  |  |  |


| Year | Female Multi |  | Female Solo |  | Male Multi |  | Male Solo |  | Mixed Gender |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Sum of Amount | Sum of Count | Sum of Amount | Sum of Count | Sum of Amount | $\begin{aligned} & \text { Sum of } \\ & \text { Count } \end{aligned}$ | Sum of Amount | $\begin{aligned} & \text { Sum of } \\ & \text { Count } \end{aligned}$ | Sum of Amount | Sum of Count |
| 2001 |  |  | 7838 | 1 |  |  | 94995 | 1 | 148091 | 1 |
| 2002 |  |  | 25000 | 1 |  |  | 222898 | 1 |  |  |
| 2003 |  |  | 154467 | 3 | 4849 | 1 | 367000 | 2 |  |  |
| 2004 |  |  | 7500 | 1 |  |  | 154865 | 1 | 7775421 | 3 |
| 2005 |  |  | 385256,262 | 3 |  |  | 109925 | 2 | 537659 | 3 |
| 2006 |  |  | 318128 | 4 |  |  | 254861,6 | 4 | 6021956 | 1 |
| 2007 | 0 | 1 | 180922 | 3 | 5687 | 1 |  |  |  |  |
| 2008 |  |  | 10000 | 2 |  |  | 5088728,5 | 3 | 643604 | 1 |
| 2009 |  |  | 20000 | 3 | 0 | 1 | 409916 | 2 | 0 | 1 |
| 2010 | 14771 | 1 | 16000 | 4 | 73089 | 3 | 2707847 | 9 | 1391000 | 3 |
| 2011 | 0 | 4 | 1967156,35 | 7 |  |  | 380967,303 | 4 | 1129071 | 5 |
| 2012 | 112399,7 | 2 | 1692097,7 | 9 |  |  | 682964, | 3 | 12000 | 1 |
| 2013 | 868880 | 5 | 2281549,176 | 12 | 1989819,8 | 5 | 1596028,8 | 7 | 436693 | 2 |
| 2014 |  |  | 4946420 | 14 |  |  | 21144039,26 | 6 | 328929,7 | 5 |
| 2015 | 2579181,605 | 3 | 2753781,77 | 13 | 1664683,353 | 1 | 7296985,723 | 12 | 657885,8492 | 7 |
| 2016 | 3461985,306 | 2 | 4938513,649 | 19 | 3131223 | 6 | 768884,244 | ${ }^{23}$ | 2338280,685 | 4 |
| 2017 | 2778998,237 | 5 | 10705540,11 | 13 | 3961204,074 | 4 | 4678138,97 | 14 | 1126221,8 | 4 |
| 2018 | 5009338,894 | 7 | 3207582,211 | 14 | 318863,0312 | 1 | 5741651,934 | 17 | 70000 | 3 |
| 2019 | 5662771,391 | 8 | 4720055,906 | 15 | 2930011,699 | 5 | 7503518,91 | 18 | 2108917,969 | 5 |
| 2020 | 625000 | 2 | 3165695,954 | 12 | 8613288,26 | 6 | 2401888,145 | 13 | 3526098,093 | 5 |
| 2021 | 3053005,337 | 5 | 8594598,496 | 17 | 5320004,033 | 2 | 8322243,404 | 10 | 2458757,896 | 6 |
| NA |  |  |  |  |  |  |  |  | 0 | 5 |
| Grand Total | 24164331,47 | 48 | 50512102,59 | 173 | 28056322,25 | ${ }^{38}$ | 76839302,59 | 159 | 34300954,99 | 65 |
| w |  |  |  |  |  |  |  |  |  |  |

Note: We removed funding that lacked Topic Groups in the above table
The Economics of Social Science in the Middle East and North Africa

Table 3: Proportion of Funding Amount by Project Type

| Funder | Amount* | \%Share |
| :---: | :---: | :---: |
| Carnegie | 52754052 |  |
| Conference/Workshop | 8119900 | 15.4\% |
| Conference/Workshop, Other | 750000 | 1,4\% |
| Others | 4343700 | 8,2\% |
| Research Project | 37783852 | 71,6\% |
| Scholarly Exchange | 628200 | 1,2\% |
| Uncategorized | 1128400 | 2,1\% |
| Eu | 110686805 |  |
| Conference/Workshop | 1164045,623 | 1,1\% |
| Other | 543910,2 | 0.5\% |
| Research Project | 108721599, 1 | 98,2\% |
| Scholarly Exchange | 257250, 132 | 0,2\% |
| Uncategorized |  | 0,0\% |
| Ford | 24641868 |  |
| Conference/Workshop, Research Project | 24000 | 1,0\% |
| Other |  | 0,0\% |
| Research Project | 22316888 | 90,6\% |
| Research Project, Conference/Workshop | 1355000 | 5,5\% |
| Uncategorized | 730000 | 3,0\% |
| NSF | 26448820 |  |
| Conference/Workshop | 332275 | 1,3\% |
| Research Project | 2609145 | 98,\%\% |
| Research Project, Other | 25000 | 0,1\% |
| osf | 10505217 |  |
| Conference/Workshop | 1052270 | 10,0\% |
| Other | 2657089 | 25,3\% |
| Research Project | 5721333 | 54,5\% |
| Research Project, Conference/Workshop | 375000 | 3,6\% |
| Research Project, Other | 372800 | 3,5\% |
| Scholarly Exchange | 126725 | 1,2\% |
| Uncategorized | 20000 | 1,9\% |
| VR | 47003835,69 |  |
| Conference/Workshop | 101308,626 | 0,2\% |
| Research Project | 26154540,73 | 55,6\% |
| Scholarly Exchange | 20740588,96 | 44,1\% |
| Uncategorized | 7397,376 | 0,0\% |
| Grand Total | 272000197,7 |  |

Note: We only included projects for which we could find a funding amount. The total number of projects in each category is likely to be higher.

Table 4: Distribution of Funding by Project Type Grouped by Funder

| Funder | Research Project | Other | Conference/Workshop | Sum of Scholarly Exchange |
| :---: | :---: | :---: | :---: | :---: |
| Caregie | 85 | ${ }^{23}$ | 27 |  |
| eu | ${ }^{42}$ | 3 | 5 |  |
| Ford | 150 | 30 | 12 |  |
| NsF | 69 | 3 | 5 |  |
| osf | 35 | 8 | 9 |  |
| vR | 49 | 4 | 9 |  |




[^0]:    Our analysis of the available data ${ }^{7}$ also indicates a few the EU tends to fund more research on Turkey, while notable trends in the relationship between donors and research funding for specific countries. For example, the US has invested more in research on Egypt (see Figure 8 and details in Figures $8-10$ of the appendix.)

