

# THE IMPACT OF COVID-19 ON SUSTAINABLE DEVELOPMENT GOALS

C. Díaz-López; C. Martín-Blanco; M. Zamorano

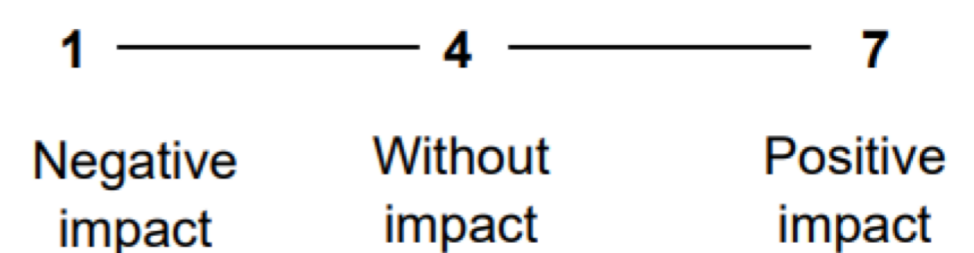
Department of Civil Engineering, University of Granada; [carmendiaz@ugr.es](mailto:carmendiaz@ugr.es); [cathaysamartin@ugr.es](mailto:cathaysamartin@ugr.es); [zamorano@ugr.es](mailto:zamorano@ugr.es)

## 1 INTRODUCTION

COVID-19 has caused a health and economic crisis, which will have a strong impact on actions aimed at achieving the Sustainable Development Goals (SDGs). Although some of these impacts may be positive, there is a risk that certain inequalities will increase that may lead to a return to unsustainable habits derived from the fear of traveling by public transport, the exodus of the population out of the cities, the increase in consumption of packaged products or the return to "single use" products that are proving so difficult to leave behind. The current situation makes it necessary to quantify the impact of COVID-19 on the achievement of the SDGs, in order to design a set of strategies aimed at correcting the weaknesses that are observed, facing the threats, maintaining the strengths and exploring opportunities. Therefore, the objective of this work is to quantify the impact of Covid-19 on the goals to be met by the 17 SDGs. The results show the experts' perception of the consequences of the impacts. The findings of this work can be the basis for the development of new goals in the context of Covid-19

## 2 METHOD

- a. Structured online survey to Stakeholders
- b. The survey was made up of Likert type questions to assess the impact of Covid-19 on each measure of SDG



- c. analysis results

## 3 RESULTS

### 3.1

Figure 1. Gender of respondents

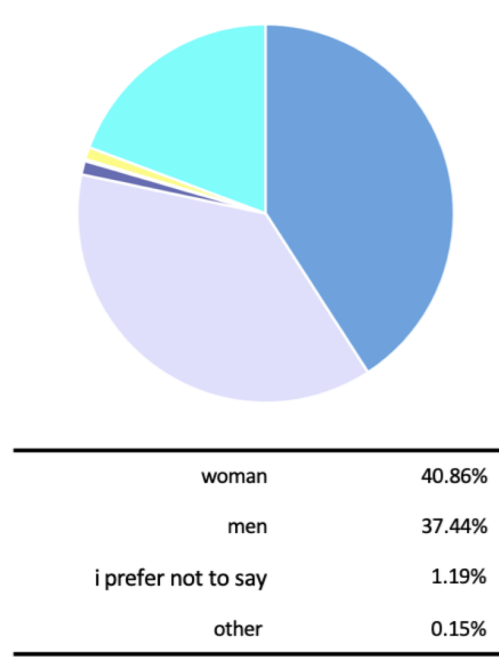


Figure 2. Age of respondents

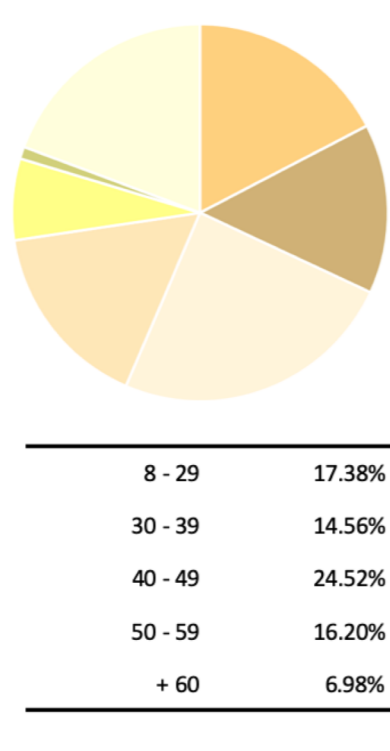


Figure 3. Level of training of the respondents

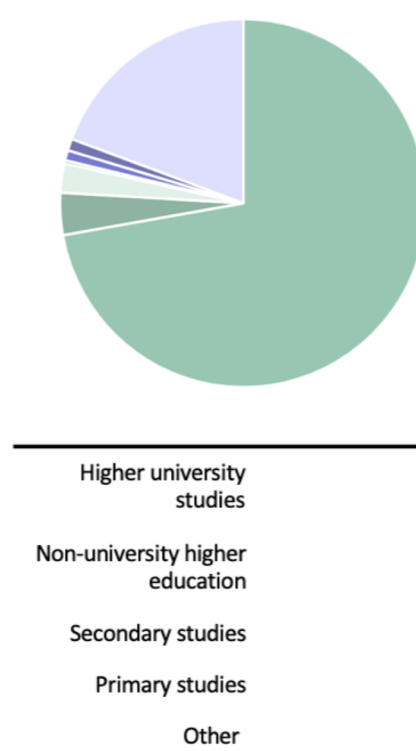


Figure 4. Branch of knowledge of the respondents

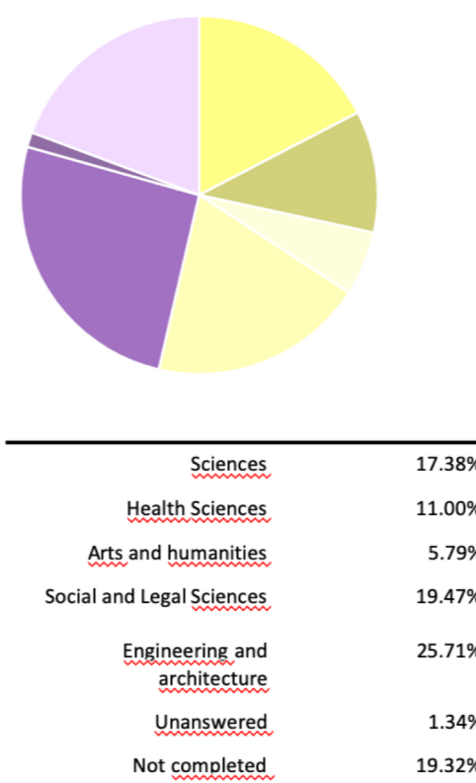


Figure 5. Occupation of respondents

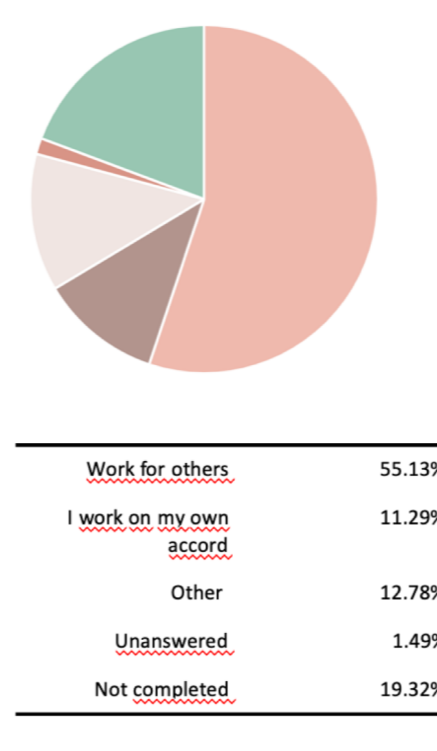


Figure 6. Professional field of the respondents

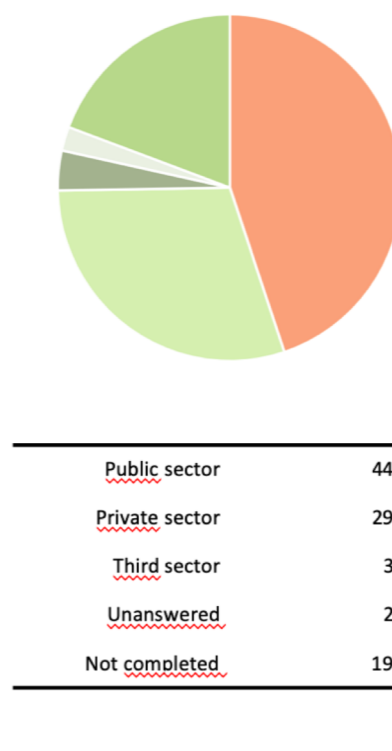
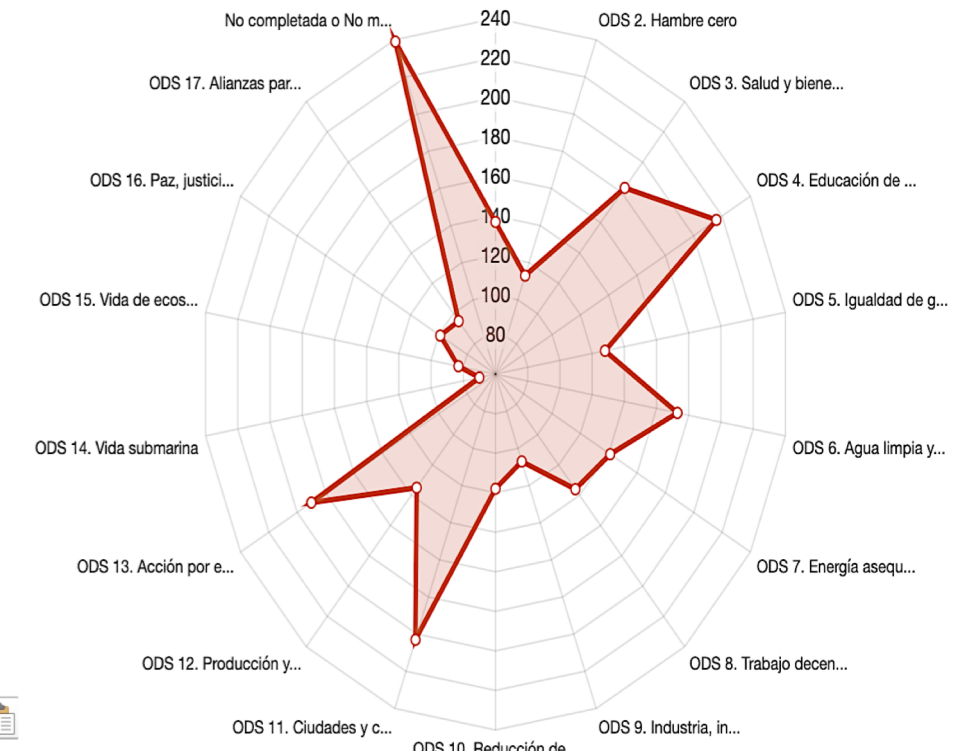
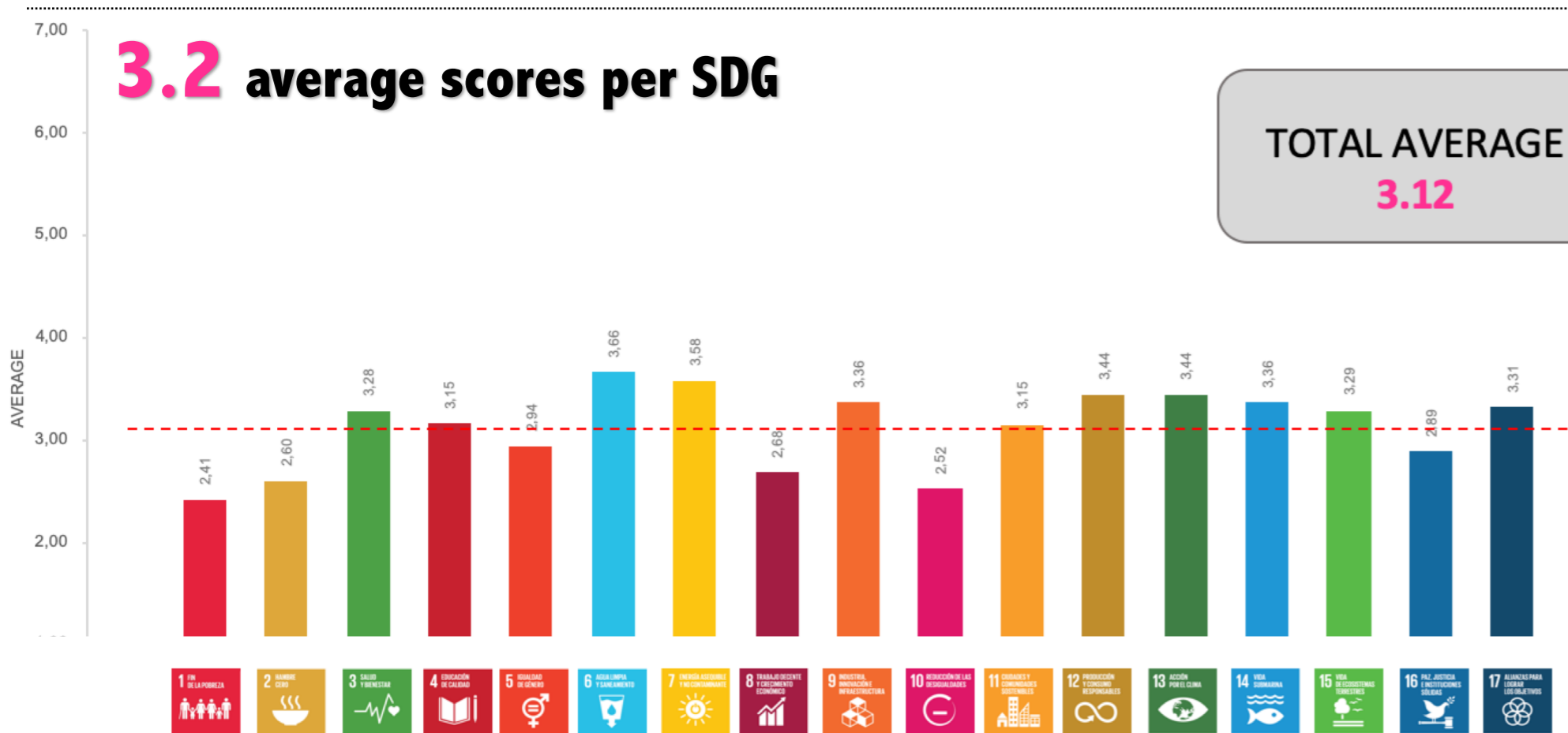


Figure 7. No. of responses by SDG



### 3.2 average scores per SDG



### 3.3 average scores per goal

	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	G18	G19
0051	1,78	1,81	2,74	2,52	2,47	2,60	2,96												
0057	1,96	1,97	2,51	2,81	3,73	2,72	2,69	2,99											
0053	2,59	2,87	2,71	2,71	3,06	3,98	3,06	2,93	3,22	3,46	4,16	3,78	4,07						
0054	2,97	2,95	3,24	3,79	3,35	3,28	3,24	3,22	2,98	3,13									
0055	2,73	2,52	2,76	2,94	2,97	2,97	2,97	3,51	3,17										
0056	3,47	3,41	3,61	3,79	3,75	3,74	3,58	3,81											
0057	3,30	3,69	3,63	3,68	3,60														
0058	2,07	2,95	2,97	2,85	2,77	2,37	2,55	2,77	3,73	3,01	2,65	2,57							
0059	3,06	3,00	2,85	3,32	3,77	3,23	3,52	4,13											
00510	1,93	2,33	2,60	2,80	2,88	2,80	2,7	2,58	2,48	2,60									
00511	2,83	2,98	3,21	3,7	2,89	3,71	3,39	3,37	3,30	2,65									
00512	3,12	3,28	3,51	3,21	3,21	3,65	3,68	3,69	3,31	3,76	3,35								
00513	3,46	3,64	3,78	2,96	3,37														
00514	3,13	3,23	3,33	3,37	3,43	3,57	3,30	3,43	3,47	3,37									
00515	3,15	3,18	3,24	3,39	3,30	3,09	3,42	4,06	3,58	2,91	2,82	3,30							
00516	2,58	2,65	2,96	2,75	2,73	2,77	2,97	2,50	3,27	2,92	3,02	3,17							
00517	3,15	2,92	2,91	2,91	2,96	3,60	3,74	3,85	3,60	3,21	2,77	3,04	2,66	3,42	3,23	3,72	4,02	3,43	3,81

## 4 CONCLUSIONS

The results showed that Covid-19 has an impact on all sustainable development goals, but in different ways. It has had a negative impact, especially, on governance, energy and social cohesion; meanwhile, it has had a positive impact on innovation, mobility and natural resources. The findings laid the foundation for the development of new strategies for the implementation of the SDGs.

Funded by: FEDER/Junta de Andalucía-Consejería de Economía y Conocimiento/ Project "Design of strategists to face the impact of COVID-19 on the compliance with the SDGs in Andalusia" Ref. CV20- 01172.



UNIVERSIDAD DE GRANADA



Junta de Andalucía



UNIÓN EUROPEA  
Fondo Europeo de Desarrollo Regional