




Event evaluation report

 **Project Name:** DaSCI at Night23

 **Name of the institution to which you are Belongs:** DaSCI

 **Descripción:** La Noche Europea de los Investigadores es un evento público a escala europea, que muestra la diversidad de la ciencia y su impacto en la vida cotidiana de los ciudadanos de maneras divertidas e inspiradoras. Este año, el evento tendrá lugar en 25 países el viernes 29 de septiembre de 2023. DaSCI participa en el mismo desde cada una de nuestras sedes.

 **Location:** Granada, Córdoba, Jaén

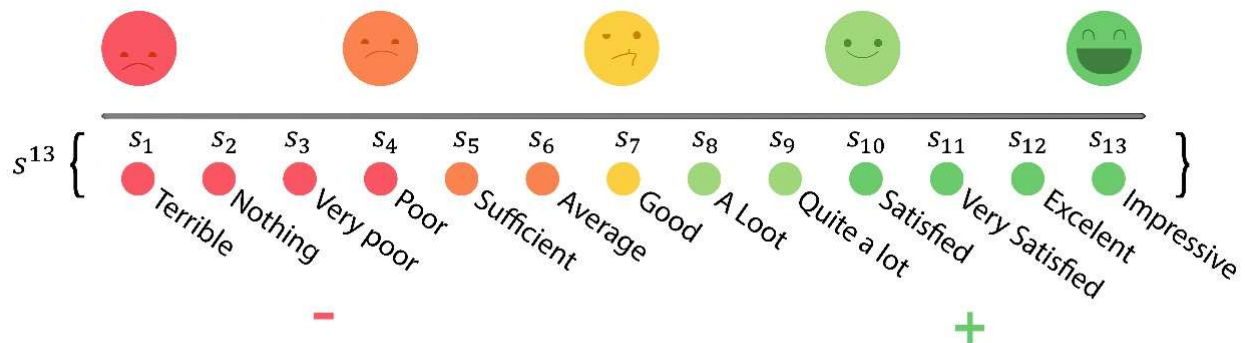
 **Contact Email:** INFO@DASCI.ES

 **Project URL:** <https://dasci.es/es/divulgacion/cultura-cientifica/eventos/2023-noche>

 **Social media of the project:** https://twitter.com/dasci_es

The valuations provided by the citizen experts are expressed under different linguistic scales. In order to obtain the final evaluation of the event, they must be unified into a single scale that represents the collective opinion. The scale that represents the unification of the evaluations is:

Citizen Crowd Decision Making model term set



The values of the collective assessments presented in the report will be expressed with the unified scale. The unified scale is made up of thirteen linguistic labels which represent from the worst to the best perception.

The event consisted of the following activities:

Event	Activity
Night23 - ANDALUCÍA	Act_1-GRANADA
	Act_2-GRANADA
	Act_3-GRANADA
	Act_4-GRANADA
	Act_1-CÓRDOBA
	Act_2-CÓRDOBA
	Act_3-CÓRDOBA
	Act_4-CÓRDOBA
	Act_1-JAÉN
	Act_2-JAÉN
	Act_3-JAÉN
	Act_4-JAÉN

The collective opinion of the event and its activities was calculated from the individual ratings of the attendees, which together represent the total sample used to compile the report.

Statistical data of the evaluations received at the event Total valuation obtained							
Event	Number of assessments	Men	Women	Under 15	15 to 34	35 to 69	Over 70
Night23 - ANDALUCÍA	38	23	15	0	19	18	0

Breakdown of valuations per activity								
Activity	Activity type	Number of assessments	Men	Women	Under 15	15 to 34	35 to 69	Over 70
Act_1-GRANADA	Charlas	3	2	1	0	0	3	0
Act_2-GRANADA	Charlas	4	2	2	0	2	2	0
Act_3-GRANADA	Charlas	3	2	1	0	3	0	0
Act_4-GRANADA	Charlas	4	2	2	0	3	1	0
Act_1-CÓRDOBA	Charlas	3	2	1	0	0	3	0
Act_2-CÓRDOBA	Charlas	3	2	1	0	2	1	0

Breakdown of valuations per activity								
Activity	Activity type	Number of assessments	Men	Women	Under 15	15 to 34	35 to 69	Over 70
Act_3-CÓRDOBA	Charlas	3	2	1	0	2	0	0
Act_4-CÓRDOBA	Charlas	3	1	2	0	2	1	0
Act_1-JAÉN	Charlas	3	2	1	0	0	3	0
Act_2-JAÉN	Talleres	3	2	1	0	2	1	0
Act_3-JAÉN	Talleres	3	2	1	0	2	1	0
Act_4-JAÉN	Talleres	3	2	1	0	1	2	0

The degree of satisfaction or appreciation of each citizen expert is expressed with linguistic labels. The collective ratings of each activity are given with a one linguistic value of the unified scale. The combined scenario is defined by a numerical value called rho, which determines the degree of belonging to the pessimistic or optimistic scenario. When the rho value is 0.5 it represents a neutral scenario.

Citizen Crowd Decision Making output for event evaluation:

The final satisfaction with the event is:
Satisfied

Collective satisfaction by activity according to the three scenarios			
The value in combined scenario is determined by the variable rho =			0.5
Activity	Pessimistic	Optimistic	Average
Act_1-GRANADA	Satisfied	Excellent	Very Satisfied
Act_2-GRANADA	Satisfied	Satisfied	Satisfied
Act_3-GRANADA	Satisfied	Very Satisfied	Satisfied
Act_4-GRANADA	Excellent	Excellent	Excellent
Act_1-CÓRDOBA	Very Satisfied	Very Satisfied	Very Satisfied
Act_2-CÓRDOBA	Quite a Lot	Very Satisfied	Satisfied
Act_3-CÓRDOBA	A Lot	A Lot	A Lot
Act_4-CÓRDOBA	Quite a Lot	Quite a Lot	Quite a Lot
Act_1-JAÉN	Good	Very Satisfied	Quite a Lot
Act_2-JAÉN	Quite a Lot	Excellent	Very Satisfied

Collective satisfaction by activity according to the three scenarios			
The value in combined scenario is determined by the variable rho =			0.5
Activity	Pessimistic	Optimistic	Average
Act_3-JAÉN	Very Satisfied	Very Satisfied	Very Satisfied
Act_4-JAÉN	Satisfied	Very Satisfied	Satisfied

Collective satisfaction by dimensions in each activity in a combined scenario	
Activity	Collective satisfaction
Ponente	
Act_1-GRANADA	Very Satisfied
Act_2-GRANADA	Satisfied
Act_3-GRANADA	Excellent
Act_4-GRANADA	Impressive
Act_1-CÓRDOBA	Very Satisfied
Act_2-CÓRDOBA	Very Satisfied
Act_3-CÓRDOBA	Satisfied
Act_4-CÓRDOBA	Very Satisfied
Act_1-JAÉN	Satisfied
Act_2-JAÉN	Very Satisfied
Act_3-JAÉN	Excellent
Act_4-JAÉN	Excellent
Tema	
Act_1-GRANADA	Excellent
Act_2-GRANADA	Quite a Lot
Act_3-GRANADA	Satisfied
Act_4-GRANADA	Excellent
Act_1-CÓRDOBA	Impressive
Act_2-CÓRDOBA	Quite a Lot
Act_3-CÓRDOBA	Average
Act_4-CÓRDOBA	Quite a Lot
Act_1-JAÉN	A Lot

Collective satisfaction by dimensions in each activity in a combined scenario	
Activity	Collective satisfaction
Act_2-JAÉN	Very Satisfied
Act_3-JAÉN	Impressive
Act_4-JAÉN	Very Satisfied
Evento	
Act_1-GRANADA	Excellent
Act_2-GRANADA	Quite a Lot
Act_3-GRANADA	Very Satisfied
Act_4-GRANADA	Satisfied
Act_1-CÓRDOBA	Average
Act_2-CÓRDOBA	Good
Act_3-CÓRDOBA	
Act_4-CÓRDOBA	Satisfied
Act_1-JAÉN	Good
Act_2-JAÉN	Satisfied
Act_3-JAÉN	Impressive
Act_4-JAÉN	Impressive

The 2-tuple decision-making system was used to determine which event has a higher degree of collective satisfaction. Collective satisfaction is expressed with quantitative values and considers three scenarios: pessimistic, optimistic and combined.

The result obtained was as follows:

collective ranking

Position of the alternatives according to the pessimistic scenario

Medal	Activity
1 🥇	Act_4-GRANADA
2 🥈	Act_3-JAÉN
3 🥉	Act_1-CÓRDOBA
4	Act_4-JAÉN
5	Act_3-GRANADA

Medal	Activity
6	Act_2-JAÉN
7	Act_4-CÓRDOBA
8	Act_2-CÓRDOBA
9	Act_1-GRANADA
10	Act_2-GRANADA
11	Act_3-CÓRDOBA
12	Act_1-JAÉN

Position of the alternatives according to the optimistic scenario

Medal	Activity
1🥇	Act_2-JAÉN
2🥈	Act_4-GRANADA
3🥉	Act_3-GRANADA
4	Act_1-CÓRDOBA
5	Act_4-JAÉN
6	Act_3-JAÉN
7	Act_1-GRANADA
8	Act_1-JAÉN
9	Act_2-CÓRDOBA
10	Act_3-CÓRDOBA
11	Act_4-CÓRDOBA
12	Act_2-GRANADA

Position of the alternatives according to the combined scenario

Medal	Activity
1🥇	Act_4-GRANADA
2🥈	Act_1-CÓRDOBA
3🥉	Act_2-JAÉN
4	Act_3-GRANADA
5	Act_4-JAÉN
6	Act_2-CÓRDOBA

Medal	Activity
7	Act_3-JAÉN
8	Act_3-CÓRDOBA
9	Act_1-JAÉN
10	Act_4-CÓRDOBA
11	Act_1-GRANADA
12	Act_2-GRANADA

Appendix

As a complement to the evaluations given by each attendee of the events, the following questionnaire is carried out:

Q1.-¿Te ha gustado la actividad?

Q2.-¿Recomendarías la actividad?

Q3.-¿Volverías a participar en la actividad?

The following table corresponds to the affirmative answers given by the citizen evaluators.

Event	Q1-Yes	Q2-Yes	Q3-Yes
Night23 - ANDALUCÍA	38	37	35

Activity	Q1-Yes	Q2-Yes	Q3-Yes
Act_1-GRANADA	3	3	3
Act_2-GRANADA	4	4	4
Act_3-GRANADA	3	3	2
Act_4-GRANADA	4	4	4
Act_1-CÓRDOBA	3	3	3
Act_2-CÓRDOBA	3	3	3
Act_3-CÓRDOBA	3	2	3
Act_4-CÓRDOBA	3	3	3
Act_1-JAÉN	3	3	3
Act_2-JAÉN	3	3	3
Act_3-JAÉN	3	3	2

Activity	Q1-Yes	Q2-Yes	Q3-Yes
Act_4-JAÉN	3	3	2