

EGU Awards and Medals statistics, 2014-2023

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In this document we present some statistics about the EGU awards from 2014-2023. More details on the awards can be found [here](#).

Early Career Scientist awards

Early Career Scientists awards target [Early Career Scientist](#) up to seven years after obtaining their highest degree (BSc, MSc, or PhD). Generally, those are division awards ([Division Outstanding Early Career Scientist Awards](#)), however the highest awards are given at the union level ([Arne Richter Awards for Outstanding Early Career Scientists](#)). Figure 1 shows the yearly total number of nominations together with the number of awards handed out, including the Arne Richter Awards for Outstanding Early Career Scientists. Nominations are exclusively received from EGU members. Details can be found [here](#).

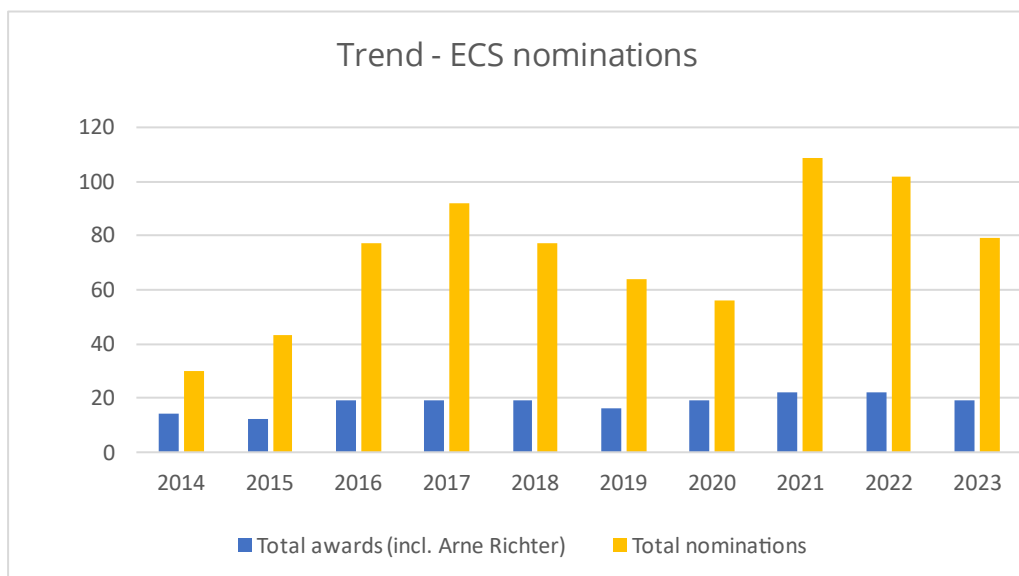


Figure 1: Total yearly number of nominations together with the number of awards handed out, including the Arne Richter Awards for Outstanding Early Career Scientists (see table 1).

Those awards are received for scientific achievements. Any bias due to e.g. gender, ethnic group, or nationality is unintended. EGU encourages consideration of gender, geographical and cultural balance when nominating outstanding Earth, planetary and space scientists at various career stages to increase diversity in the group of EGU awardees and medalists. EGU aims to improve equality of opportunity and diversity amongst EGU nominees and awardees and therefore monitors the diversity of nominees, medalists and awardees over several years. Here we present the data on the number of female nominees and awardees recognized as being early career stage.

Figure 2 shows the percentage of nominations and awards that were presented to female scientists. Female early career scientists account for about 40% of EGU members. For the last couple of years, the rate of nominations matches the proportion of female ECS members.

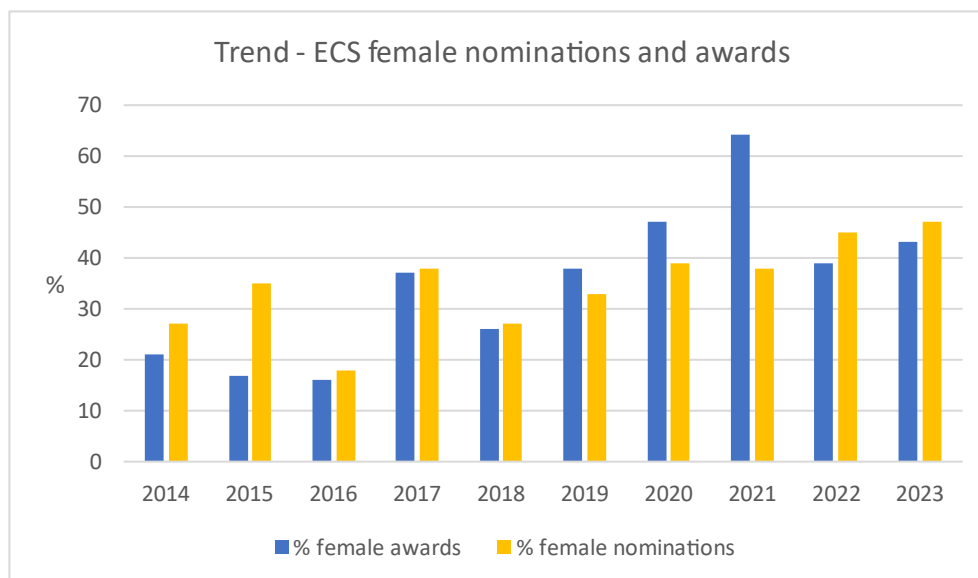


Figure 2: percentage of female nominations and awards for Early Career Scientists Awards including Arne Richter awards (see table 1).

Figure 3 shows the gender specific success rate of nominations (number of male or female awardees divided by the number of male or female nominations).

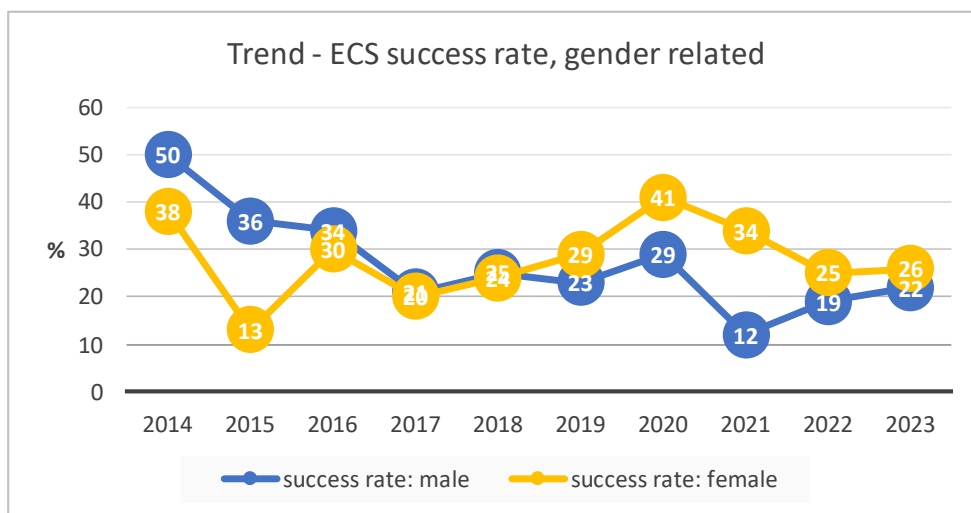


Figure 3: Success rate of nominations for male and female candidates for EGU Early Career Awards including the Arne Richter awards (see table 1).

Division and Union awards and medals

Most division and union awards and medals are received for scientific achievements. Exceptions are the Angela Croome Award for Earth, space and planetary sciences journalism, the Katia and Maurice Krafft Award for Geoscience outreach and engagement, and the Union Service Award for outstanding services for the Union. Figure 4 shows the yearly total number of nominations together with the number of awardees. Nominations for all awards and medals are exclusively received from EGU members with the exception of the Angela Croome Award. Details can be found [here](#).

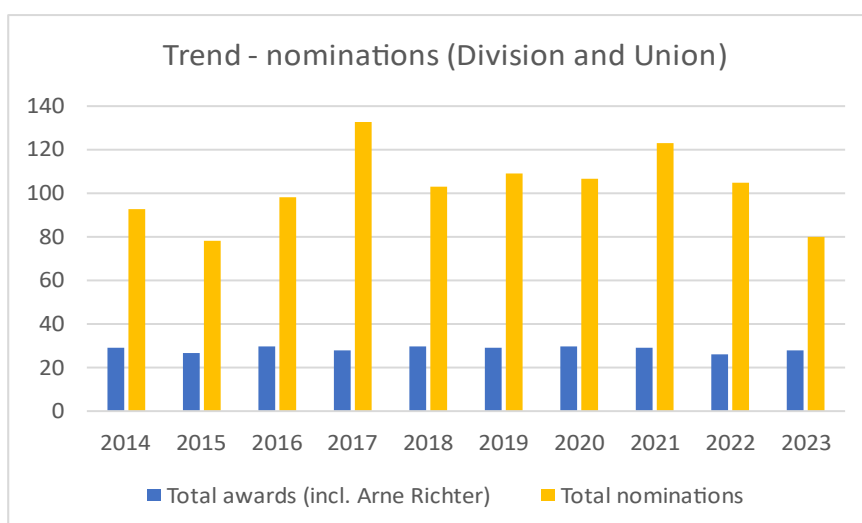


Figure 4: Total yearly number of nominations together with the number of awards and medals handed out on Division and Union level (table 2).

Figure 5 shows the percentage of female nominees and the number of awards and medals that were handed out to female scientists. Non-ECS female scientists make up less than 30% of EGU members. While the number of nominations of female candidates has been low it had reached a percentage proportional to the rate of female EGU members in the last four years, though in 2023 this proportion fell. Figure 6 shows the gender specific success rate (number of male or female awardees divided by the number of male or female nominations).

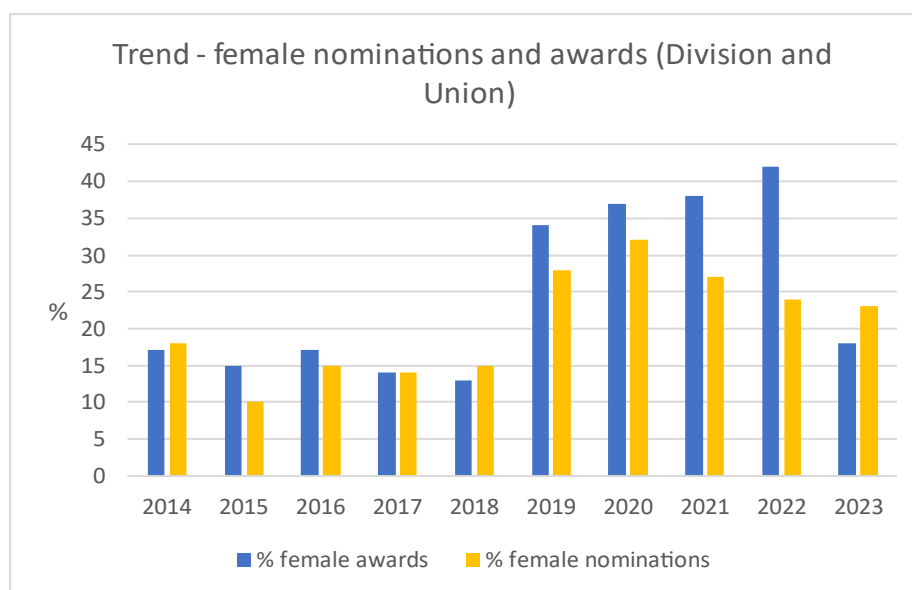


Figure 5: percentage of female nominations and awards for EGU Division and Union awards and medals (table 2).

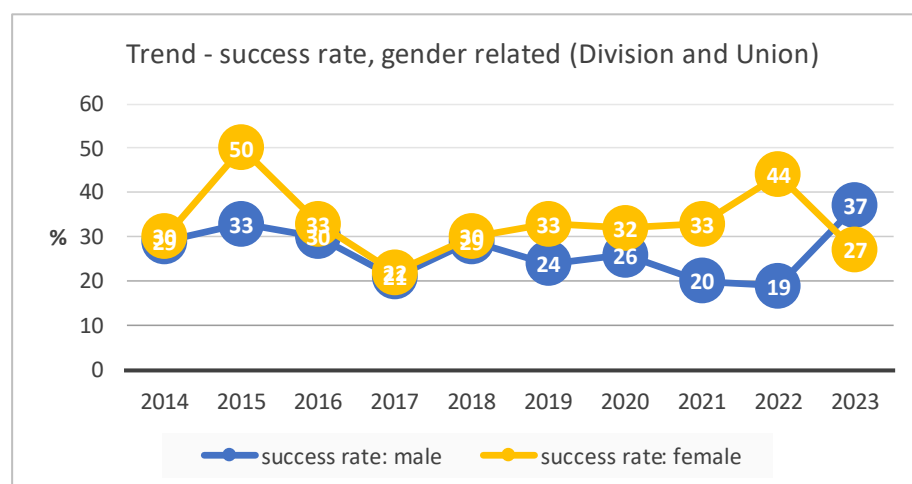


Figure 6: Success rate of nominations for male and female candidates for EGU Division and Union awards and medals (table 2).

Geographic location of nominees

EGU has a bottom up structure and that is also true for the award nominations. Over the past 5 years EGU has received a total of 195 nominations per year from members for all awards and medals. Given the member structure, it is natural that the vast majority of nominations are for scientists located in Europe; over the last 5 years over 70% (figure 7 and table 1). North America is the second largest group with about 16% followed by Asia with roughly 5%. Nominations for Early Career Scientists are even higher for researchers in Europe, 78%.

Nominations and awards to scientists from European countries are detailed in figure 8.

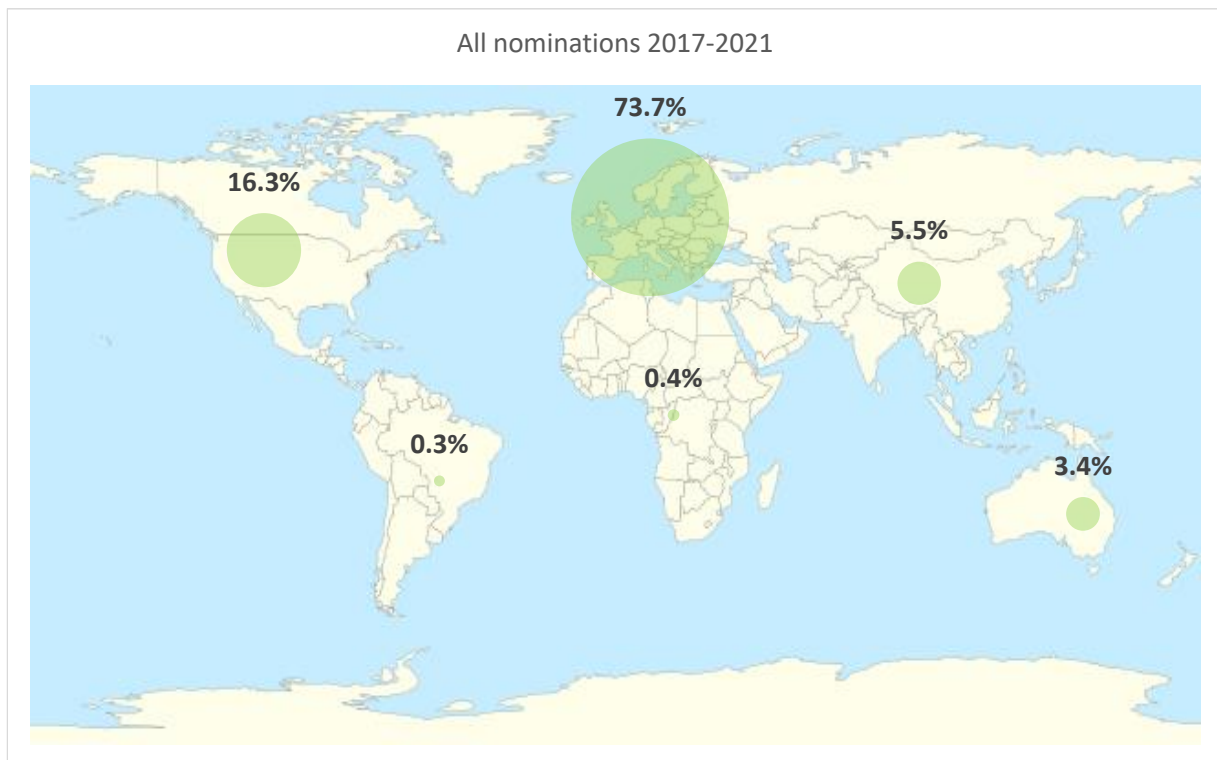


Figure 7: Nominations 2017-2021 grouped after continents (see table 3).

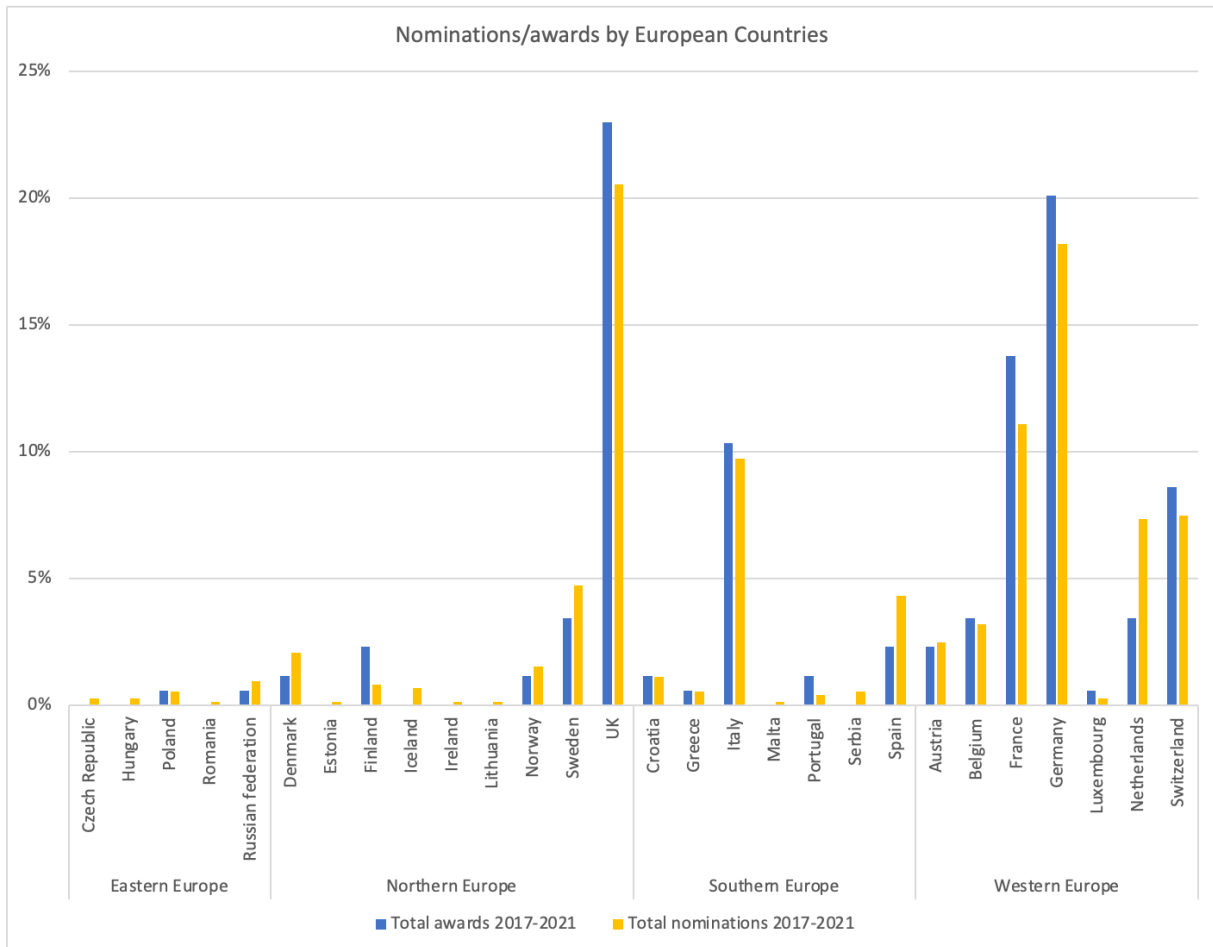


Figure 8: Total of nominations for and awards to scientists located in Europe (see table 4)

Appendix

Tables 1: Data on Outstanding Early Career Science awards

| Year of Award | Outstanding Early Career Awards incl Arne Richter Award | | | | | | | | Gender related success rate* | | |
|---------------|---|----------------|--------------|----------------|------------|--------------|----------------------|-------------------|------------------------------|--------|------------|
| | Male nominee | Female nominee | Male awardee | Female awardee | Total nom. | Total awards | % Female nominations | % Female awardees | Male | Female | All |
| 2014 | 22 | 8 | 11 | 3 | 30 | 14 | 27% | 21% | 50% | 38% | 47% |
| 2015 | 28 | 15 | 10 | 2 | 43 | 12 | 35% | 17% | 36% | 13% | 28% |
| 2016 | 47 | 10 | 16 | 3 | 57 | 19 | 18% | 16% | 34% | 30% | 33% |
| 2017 | 57 | 35 | 12 | 7 | 92 | 19 | 38% | 37% | 21% | 20% | 21% |
| 2018 | 56 | 21 | 14 | 5 | 77 | 19 | 27% | 26% | 25% | 24% | 25% |
| 2019 | 44 | 24 | 10 | 6 | 68 | 16 | 35% | 38% | 23% | 25% | 24% |
| 2020 | 34 | 22 | 10 | 9 | 56 | 19 | 39% | 47% | 29% | 41% | 34% |
| 2021 | 68 | 41 | 8 | 14 | 109 | 22 | 38% | 64% | 12% | 34% | 20% |
| 2022 | 62 | 40 | 12 | 10 | 102 | 22 | 39% | 45% | 19% | 25% | 22% |
| 2023 | 45 | 34 | 10 | 9 | 79 | 19 | 43% | 47% | 22% | 26% | 24% |

* the chance to be awarded once nominated. (percentage of awards per nomination)

Table 2: Data on Union and Division awards

| Year of Award | Division and Union Awards | | | | | | | | Gender related success rate* | | |
|---------------|---------------------------|----------------|--------------|----------------|------------|--------------|----------------------|-------------------|------------------------------|--------|------------|
| | Male nominee | Female nominee | Male awardee | Female awardee | Total nom. | Total awards | % Female nominations | % Female awardees | Male | Female | All |
| 2014 | 76 | 17 | 24 | 5 | 93 | 29 | 18% | 17% | 32% | 29% | 31% |
| 2015 | 70 | 8 | 23 | 4 | 78 | 27 | 10% | 15% | 33% | 50% | 35% |
| 2016 | 83 | 15 | 25 | 5 | 98 | 30 | 15% | 17% | 30% | 33% | 31% |
| 2017 | 115 | 18 | 24 | 4 | 133 | 28 | 14% | 14% | 21% | 22% | 21% |
| 2018 | 88 | 15 | 26 | 4 | 103 | 30 | 15% | 13% | 30% | 27% | 29% |
| 2019 | 79 | 30 | 19 | 10 | 109 | 29 | 28% | 34% | 24% | 33% | 27% |
| 2020 | 73 | 34 | 19 | 11 | 107 | 30 | 32% | 37% | 26% | 32% | 28% |
| 2021 | 90 | 33 | 18 | 11 | 123 | 29 | 27% | 38% | 20% | 33% | 24% |

| | | | | | | | | | | | |
|------|------|------|----|----|------------|-----------|-----|-----|-----|-----|------------|
| 2022 | 80 | 25 | 15 | 11 | 105 | 26 | 24% | 42% | 19% | 44% | 25% |
| 2023 | 61.5 | 18.5 | 23 | 5 | 80 | 28 | 23% | 18% | 37% | 27% | 35% |

* the chance to be awarded once nominated. (percentage of awards per nomination)

Table 3: Distribution of nominations 2017-2021 grouped after main geographical areas (United Nations publication "Standard Country or Area Codes for Statistical Use").

| | Nomination ECS awards | Nomination Division awards | Nomination Union awards | All nominations |
|---------------------------------|--------------------------|----------------------------------|----------------------------|--------------------|
| Africa | 0.50% | 0.00% | 2.13% | 0.41% |
| Sub-Saharan Africa | 0.50% | 0.00% | 2.13% | 0.41% |
| Americas | 11.19% | 23.08% | 10.64% | 16.99% |
| Latin America and the Caribbean | 1.24% | 0.42% | 0.00% | 0.72% |
| Northern America | 9.95% | 22.66% | 10.64% | 16.27% |
| Asia | 5.22% | 4.99% | 9.57% | 5.53% |
| Eastern Asia | 2.74% | 2.70% | 4.26% | 2.87% |
| South-eastern Asia | 0.25% | 0.42% | 0.00% | 0.31% |
| Southern Asia | 0.75% | 0.00% | 3.19% | 0.61% |
| Western Asia | 1.49% | 1.87% | 2.13% | 1.74% |
| Europe | 78.61% | 68.81% | 77.66% | 73.69% |
| Eastern Europe | 1.74% | 1.66% | 1.06% | 1.64% |
| Northern Europe | 22.89% | 21.62% | 27.66% | 22.72% |
| Southern Europe | 12.94% | 12.27% | 10.64% | 12.38% |
| Western Europe | 41.04% | 33.26% | 38.30% | 36.95% |
| Oceania | 4.48% | 3.12% | 0.00% | 3.38% |
| Australia and New Zealand | 4.48% | 3.12% | 0.00% | 3.38% |
| Grand Total | 100.00% | 100.00% | 100.00% | 100.00% |

Table 4 Total of nominations for and awards to scientists located in Europe

| Row Labels | Total nominations 2017-2021 | Total awards 2017-2021 |
|------------------------|------------------------------------|-------------------------------|
| Eastern Europe | 2.22% | 1.15% |
| Czech Republic | 0.28% | 0.00% |
| Hungary | 0.28% | 0.00% |
| Poland | 0.56% | 0.57% |
| Romania | 0.14% | 0.00% |
| Russian federation | 0.97% | 0.57% |
| Northern Europe | 30.83% | 31.03% |
| Denmark | 2.08% | 1.15% |
| Estonia | 0.14% | 0.00% |
| Finland | 0.83% | 2.30% |
| Iceland | 0.69% | 0.00% |
| Ireland | 0.14% | 0.00% |
| Lithuania | 0.14% | 0.00% |
| Norway | 1.53% | 1.15% |
| Sweden | 4.72% | 3.45% |
| UK | 20.56% | 22.99% |
| Southern Europe | 16.81% | 15.52% |
| Croatia | 1.11% | 1.15% |
| Greece | 0.56% | 0.57% |
| Italy | 9.72% | 10.34% |
| Malta | 0.14% | 0.00% |
| Portugal | 0.42% | 1.15% |
| Serbia | 0.56% | 0.00% |
| Spain | 4.31% | 2.30% |
| Western Europe | 50.14% | 52.30% |
| Austria | 2.50% | 2.30% |
| Belgium | 3.19% | 3.45% |
| France | 11.11% | 13.79% |
| Germany | 18.19% | 20.11% |
| Luxembourg | 0.28% | 0.57% |
| Netherlands | 7.36% | 3.45% |
| Switzerland | 7.50% | 8.62% |
| Grand Total | 100.00% | 100.00% |