Grants of the European Research Council in Horizon Europe

Tomas Jungwirth: Member of the ERC Scientific Council 2015 – 2020

Alice Valkárová: Member of the ERC Scientific Council 2021 –
After More than 10 Years, a Success Story

- Over 10,000 top researchers funded since the ERC's creation in 2007
- Over 75,000 researchers and other professionals employed in ERC research teams
- Over 150,000 articles from ERC projects published in prestigious scientific journals
- > 800 research institutions hosting ERC grantees – universities, public or private research centres in the EU or associated countries
- €13 billion ERC budget for 2014-2020 under Horizon 2020
- 84 nationalities of grant holders
Horizon Europe
ERC Budget ≈ year 2020

Bottom-up 1/4
Top-down 3/4

Pillar 1
Excellent Science

European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures

Pillar 2
Global Challenges and European Industrial Competitiveness

Clusters
- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre

Pillar 3
Innovative Europe

European Innovation Council

European innovation ecosystems

European Institute of Innovation and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system
ERC run by scientists for scientists

The ERC supports excellence in frontier research in all disciplines through a bottom-up, individual-based competition

- **Scientific governance:** independent Scientific Council with 22 members including the ERC President; full authority over funding strategy
- **Support by the ERC Executive Agency (autonomous)**
  - ~ 500 members of staff

- **Evaluation**
  - ~ 1000 panel members in 75 panels
  - ~ 6000 remote referees
  - ~ 1500 interviews for young applicants
ERC Grant Schemes

Starting Grants
starters
(2-7 years after PhD)
up to € 1.5+1 M
for 5 years

Consolidator Grants
consolidators
(7-12 years after PhD)
up to € 2+1 M
for 5 years

Advanced Grants
track-record of significant research achievements in the last 10 years
up to € 2.5+1 M
for 5 years

Proof-of-Concept Grants
bridging gap between research - earliest stage of marketable innovation
up to €150,000 for ERC grant holders

Synergy Grants
2-4 PIs for 6 years
up to € 10+4 M
for 6 years
<table>
<thead>
<tr>
<th>Higher-Education Institution</th>
<th>No</th>
<th>StG</th>
<th>CoG</th>
<th>AdG</th>
<th>Total</th>
<th>LS</th>
<th>PE</th>
<th>SH</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of Oxford</td>
<td>1</td>
<td>106</td>
<td>60</td>
<td>105</td>
<td>271</td>
<td>74</td>
<td>112</td>
<td>85</td>
</tr>
<tr>
<td>University of Cambridge</td>
<td>2</td>
<td>113</td>
<td>55</td>
<td>91</td>
<td>259</td>
<td>86</td>
<td>128</td>
<td>45</td>
</tr>
<tr>
<td>University College London</td>
<td>3</td>
<td>91</td>
<td>44</td>
<td>61</td>
<td>193</td>
<td>67</td>
<td>51</td>
<td>78</td>
</tr>
<tr>
<td>Swiss Federal Institute of Technology Zurich (ETH Zurich)</td>
<td>4</td>
<td>83</td>
<td>28</td>
<td>82</td>
<td>193</td>
<td>52</td>
<td>131</td>
<td>10</td>
</tr>
<tr>
<td>Weizmann Institute</td>
<td>5</td>
<td>76</td>
<td>48</td>
<td>45</td>
<td>169</td>
<td>97</td>
<td>70</td>
<td>2</td>
</tr>
<tr>
<td>Swiss Federal Institute of Technology Lausanne (EPFL)</td>
<td>6</td>
<td>70</td>
<td>23</td>
<td>59</td>
<td>152</td>
<td>37</td>
<td>112</td>
<td>3</td>
</tr>
<tr>
<td>Hebrew University of Jerusalem</td>
<td>7</td>
<td>76</td>
<td>22</td>
<td>46</td>
<td>144</td>
<td>61</td>
<td>55</td>
<td>28</td>
</tr>
<tr>
<td>University of Edinburgh</td>
<td>8</td>
<td>57</td>
<td>22</td>
<td>42</td>
<td>121</td>
<td>41</td>
<td>50</td>
<td>30</td>
</tr>
<tr>
<td>Imperial College</td>
<td>9</td>
<td>64</td>
<td>24</td>
<td>32</td>
<td>120</td>
<td>34</td>
<td>79</td>
<td>7</td>
</tr>
<tr>
<td>University of Munich (LMU)</td>
<td>10</td>
<td>58</td>
<td>13</td>
<td>44</td>
<td>115</td>
<td>49</td>
<td>39</td>
<td>27</td>
</tr>
<tr>
<td>University of Amsterdam</td>
<td>11</td>
<td>64</td>
<td>23</td>
<td>25</td>
<td>112</td>
<td>10</td>
<td>32</td>
<td>70</td>
</tr>
<tr>
<td>Tel Aviv University</td>
<td>12</td>
<td>66</td>
<td>21</td>
<td>22</td>
<td>109</td>
<td>43</td>
<td>56</td>
<td>10</td>
</tr>
<tr>
<td>University of Copenhagen</td>
<td>13</td>
<td>51</td>
<td>29</td>
<td>24</td>
<td>104</td>
<td>41</td>
<td>36</td>
<td>27</td>
</tr>
<tr>
<td>University of Leuven</td>
<td>14</td>
<td>48</td>
<td>16</td>
<td>34</td>
<td>98</td>
<td>25</td>
<td>48</td>
<td>25</td>
</tr>
<tr>
<td>Utrecht University</td>
<td>15</td>
<td>43</td>
<td>30</td>
<td>19</td>
<td>92</td>
<td>16</td>
<td>35</td>
<td>41</td>
</tr>
<tr>
<td>University of Zurich</td>
<td>16</td>
<td>35</td>
<td>23</td>
<td>32</td>
<td>90</td>
<td>48</td>
<td>17</td>
<td>25</td>
</tr>
<tr>
<td>Delft University of Technology</td>
<td>17</td>
<td>49</td>
<td>18</td>
<td>21</td>
<td>88</td>
<td>11</td>
<td>68</td>
<td>9</td>
</tr>
<tr>
<td>Radboud University Nijmegen</td>
<td>18</td>
<td>39</td>
<td>20</td>
<td>23</td>
<td>82</td>
<td>27</td>
<td>26</td>
<td>29</td>
</tr>
<tr>
<td>University of Helsinki</td>
<td>19</td>
<td>40</td>
<td>18</td>
<td>23</td>
<td>81</td>
<td>40</td>
<td>21</td>
<td>20</td>
</tr>
<tr>
<td>Leiden University</td>
<td>19</td>
<td>44</td>
<td>16</td>
<td>21</td>
<td>81</td>
<td>25</td>
<td>32</td>
<td>48</td>
</tr>
<tr>
<td>University of Bristol</td>
<td>20</td>
<td>35</td>
<td>9</td>
<td>36</td>
<td>80</td>
<td>16</td>
<td>45</td>
<td>19</td>
</tr>
<tr>
<td>Technion - Israel Institute of Technology</td>
<td>21</td>
<td>49</td>
<td>12</td>
<td>16</td>
<td>77</td>
<td>23</td>
<td>52</td>
<td>2</td>
</tr>
<tr>
<td>Technical University of Munich</td>
<td>22</td>
<td>34</td>
<td>22</td>
<td>20</td>
<td>76</td>
<td>16</td>
<td>59</td>
<td>1</td>
</tr>
<tr>
<td>Ghent University</td>
<td>23</td>
<td>47</td>
<td>18</td>
<td>8</td>
<td>73</td>
<td>14</td>
<td>30</td>
<td>29</td>
</tr>
<tr>
<td>Lund University</td>
<td>24</td>
<td>35</td>
<td>17</td>
<td>20</td>
<td>72</td>
<td>36</td>
<td>32</td>
<td>4</td>
</tr>
<tr>
<td>Research Organisation</td>
<td>No</td>
<td>StG</td>
<td>CoG</td>
<td>AdG</td>
<td>Total</td>
<td>LS</td>
<td>PE</td>
<td>SH</td>
</tr>
<tr>
<td>National Centre for Scientific Research (CNRS)</td>
<td>1</td>
<td>283</td>
<td>146</td>
<td>136</td>
<td>565</td>
<td>158</td>
<td>335</td>
<td>72</td>
</tr>
<tr>
<td>Max Planck Society</td>
<td>2</td>
<td>121</td>
<td>33</td>
<td>102</td>
<td>256</td>
<td>125</td>
<td>106</td>
<td>25</td>
</tr>
<tr>
<td>Helmholtz Association of German Research Centres</td>
<td>3</td>
<td>91</td>
<td>35</td>
<td>39</td>
<td>165</td>
<td>96</td>
<td>68</td>
<td>1</td>
</tr>
<tr>
<td>National Institute of Health and Medical Research (INSERM)</td>
<td>4</td>
<td>55</td>
<td>32</td>
<td>31</td>
<td>118</td>
<td>110</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Spanish National Research Council (CSIC)</td>
<td>5</td>
<td>41</td>
<td>21</td>
<td>22</td>
<td>84</td>
<td>25</td>
<td>48</td>
<td>11</td>
</tr>
<tr>
<td>French Alternative Energies and Atomic Energy Commission</td>
<td>6</td>
<td>45</td>
<td>13</td>
<td>20</td>
<td>78</td>
<td>10</td>
<td>65</td>
<td>3</td>
</tr>
</tbody>
</table>

Top European Institutions Hosting ERC Grantees by Funding Schemes

ERC calls 2007-2019 + StG2020

Current signatories of the grant agreement

Data as of 26/08/2020

43 in CZ 09/2020
ERC Grants versus Top Publications

![Graph showing the correlation between the number of ERC grants and the number of top-1% highly cited publications (2005-2015) for various host countries as of 26/08/2020. The correlation coefficient is 0.97.]](image-url)
Czech National Support Team for ERC applicants

- Established in 2021, based on the Joint Declaration of the Charles University and the Czech Academy of Sciences, with the support of the Technology Centre of CAS, and open to all research institutions in the Czech Republic
- A Coordinator plus 6 members representing the three ERC domains ERC (LS, PE, SSH)
- Systematic support for ERC applicants on the national level.
- Complemented by local initiatives of individual research organizations.
ERC Mentorship Initiative – since 2021

- The initiative supports local offices in the member states that organize, region/nation-wide, hands-on sessions for preselected applicants where the applicants get expert scientific feedback on their proposal (or mock interviews) before submission.

- ERC will provide annually a list of ERC grantees and former panel members who would be potentially keen to serve as external mentors helping the specific local office.

- The Czech National Support Team joined the ERC Mentorship Initiative.