FIRST® LEGO® League in Central Europe
FLL IN CENTRAL EUROPE

7 COUNTRIES, 79 REGIONS, more than 1,000 TEAMS
## FLL IN CENTRAL EUROPE

**DEVELOPMENT (IN THE PAST 10 YEARS)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Teams</th>
<th>Region/ Country</th>
<th>Part.</th>
<th>♂</th>
<th>♂</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>1.022</td>
<td>72 (D, A, CH, H, CZ, PL, SK)</td>
<td>7.083</td>
<td>17%</td>
<td>83%</td>
</tr>
<tr>
<td>2016</td>
<td>955</td>
<td>67 (D, A, CH, H, CZ, PL, SK)</td>
<td>6.585</td>
<td>16%</td>
<td>84%</td>
</tr>
<tr>
<td>2015</td>
<td>884</td>
<td>63 (D, A, CH, H, CZ, PL, SK)</td>
<td>6.334</td>
<td>16%</td>
<td>84%</td>
</tr>
<tr>
<td>2014</td>
<td>835</td>
<td>57 (AT, DE, CH, CZ, HU, PL, SK)</td>
<td>5937</td>
<td>17%</td>
<td>83%</td>
</tr>
<tr>
<td>2013</td>
<td>811</td>
<td>57 (AT, BG, DE, CH, CZ, HU, SK)</td>
<td>6112</td>
<td>20%</td>
<td>80%</td>
</tr>
<tr>
<td>2012</td>
<td>846</td>
<td>54 (AT, BG, DE, CH, CZ, HU, SK)</td>
<td>5578</td>
<td>21%</td>
<td>79%</td>
</tr>
<tr>
<td>2011</td>
<td>813</td>
<td>55 (AT, BG, DE, CH, CZ, HU, SK)</td>
<td>5979</td>
<td>19%</td>
<td>81%</td>
</tr>
<tr>
<td>2010</td>
<td>740</td>
<td>52 (AT, DE, CH, CZ, HU, PL, SK)</td>
<td>5380</td>
<td>17%</td>
<td>83%</td>
</tr>
<tr>
<td>2009</td>
<td>668</td>
<td>42 (AT, DE, CH, CZ, HU, PL, SK)</td>
<td>4858</td>
<td>18%</td>
<td>82%</td>
</tr>
<tr>
<td>2008</td>
<td>614</td>
<td>42 (AT, DE, CH, CZ, HU, PL, SK)</td>
<td>4490</td>
<td>22%</td>
<td>78%</td>
</tr>
<tr>
<td>2007</td>
<td>460</td>
<td>32 (AT, DE, CH, CZ, HU, PL)</td>
<td>3220</td>
<td>20%</td>
<td>80%</td>
</tr>
</tbody>
</table>
FLL IN CENTRAL EUROPE

HISTORY OF THE COMPETITION

> Idea developed by US foundation FIRST® and LEGO®

> current issues of science and technology, for example: Energy Crisis, Climate Change, Food Security, Natural Disasters

> Pilot Competition: 1998 USA, 2001 Germany

> 2017/18: 32.000 Teams worldwide in 88 countries
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IDEA OF THE COMPETITION

Children learn to work in teams and implement goals together

Teams program and construct together a robot

Teams does researches on yearly changing topics
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IDEA OF THE COMPETITION (VIDEO / in German with English subtitles)

https://www.youtube.com/user/FLLHot
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CONDITIONS FOR TEAMS

> the team consists of 2 to 10 members between 9 and 16 years
> the coach is at least 18 years old
> a LEGO® Mindstorms Robot (RCX or NXT or EV3)
> a FLL Playing Field – 129 € (plus shipment) – optional
> Registration Fee – 137 €
> a FLL Tournament Table (building instructions online) – optional
> Time (at least 8 week of preparation + 1 day of competition)
> Team Sponsors
In all FLL competitions 6 trophies will be awarded
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EVALUATION CATEGORY: RESEARCH

> choice of a project related to the seasonal theme
> research, expert interviews
> drafting of proposed solutions
> independent selection of the type of presentation (5 minutes)
> evaluation by judges
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EVALUATION CATEGORY: RESEARCH (VIDEO / in German with English subtitles)

https://www.youtube.com/watch?v=y_G67d25TNI&list=PLwGsS-G5itGL-qZEuLYDgq9gjX3JyeigB
Teamwork is essential for the success

> confidence, motivation and enthusiasm
> ability to solve problems
> understanding and respect for others
> team interaction and group dynamics

always changing tasks
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EVALUATION CATEGORY: ROBOT DESIGN

> innovative design
> robust design
> programming
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EVALUATION CATEGORY: ROBOT GAME

> in advance development and programming of a robot (LEGO® Mindstorms RCX, NXT, EV3)

> autonomous robot must solve a number of tasks on a playing field

> one run lasts 2½ minutes (150 seconds)

> Evaluation through referees & Roboter Check
Either for a team that …
> .... shows special endurance and even manage the most complicated situations.

OR

> … is a newcomer team. For teams that are participating for the first time in FLL challenges are greater than for experienced team.

OR

> ... has excited the judges for another reason.
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HOW DOES THE EVALUATION WORK? (VIDEO / in English)

https://www.youtube.com/watch?v=ALT8y4ewLnA&list=PLwGsS-G5itGL-qZEuLYDgq9qjX3JyeigB&index=4
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QUALIFICATION MODE

➢ From each FLL Regional Tournament Central Europe one or more teams qualify for a FLL Semi Final.

➢ The number of teams who can qualify depends on the number of teams participating in the regional tournament.

➢ An exact and season-specific qualification mode will be published in August 2018 on the website www.first-lego-league.org.
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DATE FOR THE SEASON 2017/18

Apr 9th to Oct 21st, 2018
Team Registration

From July 25th, 2018 on
– Shipment of FLL Challenge Sets

Aug 1st, 2018 –
Kick-Off (Release of Missions)

Sep 10th & 11th, 2018
Regional Partner Meeting

Sep-Nov 2018
Season Preparation

Nov 17th, 2018 to Jan 13th, 2019
Regional Tournaments

Jan 19th to Feb 10th, 2019
Semi Finals

Mar 22nd & 23rd, 2019
Final

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