General Information
Annual Plenary Meeting 2018

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Garching, March 21, 2018
Agenda

1 Activity Reports
2 End of SPPEXA / Cost-neutral Prolongation
3 Finances
4 Workshops
5 PR / Outreach
6 Doctoral Retreat
Activity Reports: Activity per Project

- Largest runs: 7 out of 17 projects can scale up to complete current largest supercomputers

<table>
<thead>
<tr>
<th></th>
<th>Avg 2017</th>
<th>Avg 2016</th>
<th>Avg 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guest</td>
<td>1.81</td>
<td>1.69</td>
<td>2.27</td>
</tr>
<tr>
<td>Workshops</td>
<td>2.50</td>
<td>2.53</td>
<td>2.91</td>
</tr>
<tr>
<td>Diversity</td>
<td>0.75</td>
<td>0.85</td>
<td>0.36</td>
</tr>
<tr>
<td>Student Projects</td>
<td>4.00</td>
<td>4.00</td>
<td>3.36</td>
</tr>
<tr>
<td>Educational Activities</td>
<td>5.50</td>
<td>5.46</td>
<td>4.00</td>
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<tr>
<td>Publications</td>
<td>8.50</td>
<td>9.54</td>
<td>8.72</td>
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<tr>
<td>Talks / Posters</td>
<td>17.13</td>
<td>17.92</td>
<td>15.36</td>
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End of SPPEXA / Cost-neutral Prolongation

Prolongation, how does it work?

- Each PI has to apply for a cost-neutral prolongation at DFG individually (not per SPPEXA project, not SPPEXA as whole)
- Still, a coordination inside each project is preferable (similar argumentation in prolongation)
- Official start of each PI's subproject is the first expense you had (not the start of SPPEXA)
- As central organization, we also need to know how long all projects approximately run

Results of our survey:

- 9 out of 16 projects run at least till 30.09.2019
- All projects finish in 2019
- Central project: project manager runs till end of 2019, secretary till spring 2020

Further conferences / meetings:

- **Option 1** (original plan): SPPEXA Symposium March 2019, deadline articles end of 2018
- **Option 2** (our suggestion): APM March 2019, Symposium end of 2019 or early 2020, deadline articles fall 2019
## Finance Details 1: Budget Overview

<table>
<thead>
<tr>
<th>Fund</th>
<th>Phase 2</th>
<th>March 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gender Central / Childcare</td>
<td>24k</td>
<td>13.1k</td>
</tr>
<tr>
<td>Gender Projects</td>
<td>10k</td>
<td>10k</td>
</tr>
<tr>
<td>Annual Plenary Meeting</td>
<td>93k</td>
<td>81.1k</td>
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<td>Doctoral Retreat</td>
<td>58.8k</td>
<td>33.1k</td>
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<tr>
<td>Research Stay</td>
<td>112.5k</td>
<td>99.1k</td>
</tr>
<tr>
<td>Teaching</td>
<td>6k</td>
<td>6k</td>
</tr>
<tr>
<td>Guests</td>
<td>120k</td>
<td>46.3k</td>
</tr>
<tr>
<td>PR</td>
<td>16.5k</td>
<td>0.1k</td>
</tr>
<tr>
<td>Workshops</td>
<td>223.2k</td>
<td>103.7k</td>
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</table>
Finance Details 2: Return of Funds

Problem in Phase 1:
- Projects did not use all central funds we transferred to them (guest funds, workshop funds, …)
- The remaining funds we only got back at the end of phase 1 (when our administration talked to their administration)
- By then, the fonds were already closed → We had to transfer back everything to DFG
- Transfer to other universities: 253k €, return flow: 67k € (26%)

Changes in Phase 2:
- We directly “close” each transfer contract after the workshop, the guest year, …
- If you have a good reason you can keep the funds (e.g. there is guest next year, we have a similar workshop coming up → “Umwidmung”, …)
- Please always inform us
- Transfer back needs the correct label, e.g. guests or workshop → We give you a BKZ
Finance Details 3: Guest Funding

• 2343.75 € p.a. per project (excl. 20% “Projektpauschale”)
• 2016: 2500 € per project
• 2017: 2100 € per project
• 2018: adaptive funding on request (mail to Benjamin with cost estimate, FCFS)
# Workshops 1: Past Activities 2017/18

<table>
<thead>
<tr>
<th>Title</th>
<th>Project</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>GAMM Applied Numerical Linear Algebra 2017</td>
<td>EXASTEEL</td>
<td>09/2017</td>
</tr>
<tr>
<td>Parallel Programming Models -- Productivity and Applications Part 2</td>
<td>MYX, ESSEX, DASH</td>
<td>10/2017</td>
</tr>
<tr>
<td>6th Workshop on Parallel-in-Time Integration</td>
<td>ExaStencils, EXASOLVER</td>
<td>10/2017</td>
</tr>
<tr>
<td>Solving Complex Partial Differential Equations on Massively Parallel Systems</td>
<td>ExaFSA, ExaMAG, ExaStencils</td>
<td>03/2018</td>
</tr>
<tr>
<td>Parallel Programming Models -- Productivity and Applications Part 3</td>
<td>MYX, ESSEX, DASH</td>
<td>03/2018</td>
</tr>
</tbody>
</table>
# Workshops 2: Upcoming Activities

<table>
<thead>
<tr>
<th>Title</th>
<th>Project</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-Physics Simulations with the Coupling Library preCICE</td>
<td>ExaFSA</td>
<td>06/2018</td>
</tr>
<tr>
<td>Efficient high-order discretizations for computational fluid dynamics</td>
<td>ExaDG</td>
<td>07/2018</td>
</tr>
<tr>
<td>5th Workshop on Sparse Grids and Applications</td>
<td>EXAHD</td>
<td>07/2018</td>
</tr>
<tr>
<td>Euro-EDUPAR</td>
<td>ExtraPeak</td>
<td>08/2018</td>
</tr>
<tr>
<td>Computational Science At Scale (CoSaS)</td>
<td>TERRA-NEO, ESSEX, ExaStencils, EXASTEEL</td>
<td>09/2018</td>
</tr>
</tbody>
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Workshops 3: Announcement of Call 18/1

- Templates for proposals: www.sppexa.de → internal → templates
- Deadline: May 13, 2018
- Submission via mail to Benjamin
Workshops 4: SPPEXA @ ISC

- SPPEXA section @ Project Posters
  - Present ongoing and emerging work
  - Deadline: March 23, internally for SPPEXA
  - Contact: Julian Kunkel
PR 1: inSiDE

- Present your project (2-4 pages)
- Visibility all over Germany
- Every half year one project
- Submission/planning through Benjamin
- 2013: GROMEX, CATWALK
- 2014: ExaFSA, ExaStencils
- 2015: FFMK, ESSEX
- 2016: Terra-Neo, EXASTEEL
- 2017: EXAHD, DASH
- 2018: MYX, ?
PR 2: Science Node

- Science platform, short easily understandable web articles, featured on social media
- All scientific fields, but historical focus on HPC (successor of *International Science Grid This Week*)
- Good visibility in the US
- Sponsorship of SPPEXA, mid 2017 to mid 2019
- In total 8 articles: We already had a general one on SPPEXA and one on ExaFSA → 6 remaining

**How does it work?**

- Send bulk information per mail (links, possibly existing InSiDE article, …)
- Video conference interview
- They write the article … final proofreading
- Optional: interview at SC18 (video)

→ **Minimal work for you, high visibility**
→ Approach Benjamin for planning
PR 3: Software Links

Currently: SCIL, MUST, preCICE, PHIST, GHOST, CRAFT → Please send more data
Doctoral Retreat 2018

• Organized by Matthias Bolten (ExaStencils) and Bruno Lang (ESSEX-II)
• Sept 17-21 in Wuppertal
• Numerical linear algebra and performance optimization
• Highlights: Lectures on hot topics in numerical linear algebra and performance optimization course by Georg Hager
• Special topic: Experiences of former PhD students in industry
• Registration will follow (please save the date)
• Non-SPPEXA (but somehow associated) doctoral candidates are also welcome
• PostDocs are also welcome
• There is funding to invite doctoral candidates from F and J