Impact of the BOINC Pentathlon 2017

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About me

• BOINC enthusiast since 2004
• Co-Administrator of SETI.Germany
• Member of the Pentathlon Organizing Group

• PhD student (stellar astrophysics)
What is the BOINC Pentathlon?

• 14-day multi-project Volunteer Computing team competition
• 5 ‘disciplines’ with different durations at different BOINC projects
• Teams may choose to concentrate on single disciplines, but need a coordinated effort in all disciplines to win the overall crown
• Short-term boost and new volunteers for the projects

• More information at https://www.seti-germany.de/boinc_pentathlon/
Marathon (05 May - 19 May) - Cosmology@Home

- Total credit per day
- Dates: 05/04, 05/11, 05/18, 05/25
- Graph compares credit:
  - Business as usual
  - After announcement
  - During Marathon
  - Normal average
  - Marathon average

Key dates:
- 05/04
- 05/11
- 05/18
- 05/25

Note: Graph visualizes the credit distribution during the marathon period.
Marathon (05 May - 19 May) - Cosmology@Home

- Users:
- Hosts:
Points generated (OpenZika only)

City Run (05 May - 10 May) - World Community Grid - OpenZika

- Business as usual
- After announcement during City Run
- Normal avg.
- City Run avg.
Points generated (*ALL* WCG projects)

City Run (05 May - 10 May) - World Community Grid - OpenZika

- business as usual
- after announcement
- during City Run
- normal avg.
- City Run avg.

Date

04/27
05/04
05/11
05/18
City Run (05 May - 10 May) - World Community Grid - OpenZika

Fraction of total WCG points generated by OpenZika

- Business as usual
- After announcement
- During City Run

Dates:
- 04/27
- 05/04
- 05/11
- 05/18
After announcement during Cross Country.

Cross Country (09 May - 14 May) - Einstein@Home

Total credit per day

Date

05/04

05/11

05/18

05/25

Business as usual

normal avg.

Cross Country avg.
Swimming (12 May - 19 May) - LHC@home

- Business as usual
- After announcement
- During Swimming
- Swimming avg.

Total credit per day
Swimming (12 May - 19 May) - LHC@home

Date

# users

# hosts
Sprint (13 May - 16 May) - yoyo@home

- Total credit per day
- Date: 05/04, 05/11, 05/18, 05/25

- business as usual
- after announcement
- during Sprint
- normal avg.
- Cross Country avg.
Other observations

• many participants were unhappy with vbox projects

• for projects with unpredictable WU runtimes, CreditNew is not only kind of a lottery, but also can be cheated
Future ideas

• improve project preselection and communication with project admins

• possibility to count only one subproject (already possible at WCG)

• we still have more ideas to make the competition more exciting 😊