



Green  
Software  
Foundation

Redefining code and greening impact  
with measurement that matters.



# Carbon Hack 24

Monday, March 18 - Monday, April 8, 2024



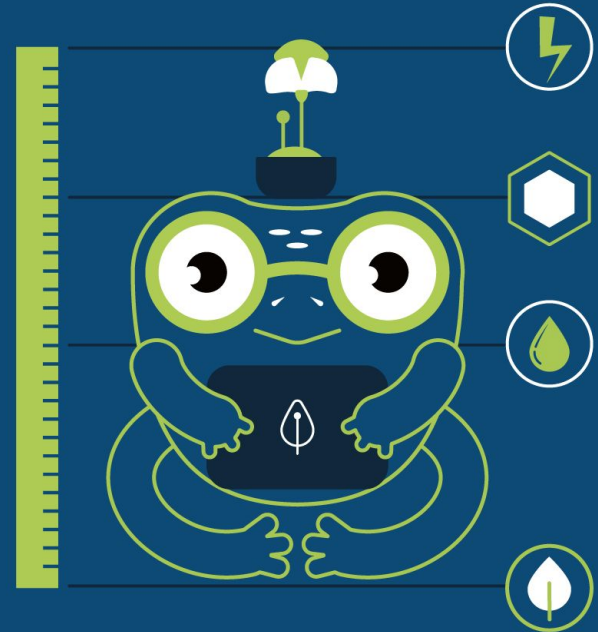
# Carbon Hack - A leap in measurement

**In 2024, Carbon Hack is about how we measure the environmental impact of software.**

Until now, no single solution has managed to calculate software's impacts across all components, across all environments.

[Impact Framework](#) (IF), an open source project, attempts to do just that, be it for carbon emissions, water or land usage, or other chemical impacts.

From Monday, March 18th - April 8th, 2024, developers and engineers will compete to showcase their best application of IF in measuring software to reduce the ecological footprint of software.



# In Numbers

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- **6 prizes** for exceptional solutions  
Best Content, Contribution, Plugin. Beyond Carbon. U18 & UG
- **\$40,000** prize money
- **523 signups** to the mailing list
- **66 project** teams
- **47 submitted** for judging  
10 content, 9 contribution, 21 plugin, 7 beyond

# Winners

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**Content:** C– Evaluating LLM carbon footprints

**Contribution:** Green HighTech #Innovators Streamlining IF Accessibility

**Plugin:** Code Green K8s importer and visualization

**Beyond Carbon:** Opencast Carbon 24 Environmental Impact Risk

**Undergraduate:** Code Green Manifest Generator

**Under 18:** GreenerMeet Assessing Energy & Carbon in Zoom Conferences



```
tcp values: [28]
CPU usage of process 'zoom.us' (PID: 479360): 3.26%
CPU usage of process 'ZoomCLips' (PID: 479271): 3.48%
CPU usage of process 'zoom.us' (PID: 479360): 3.26%
CPU usage of process 'zoom.us' (PID: 479360): 3.26%
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CPU usage of process 'zoom.us' (PID: 479360): 3.26%
CPU usage of process 'ZoomCLips' (PID: 479271): 3.18%
CPU usage of process 'zoom.us' (PID: 479360): 3.26%
CPU usage of process 'ZoomCLips' (PID: 479271): 3.18%
```

Now, have your zoom meeting as you normally would, and the command will execute in the background

# Participant Feedback

Overall

**4/5**

Organiser Communication

**4/5**

Importance of prize money

**2/5**

Net Promoter Score

**+56**

(-100-0)

(1-29)

(30-70)

(71-100)

# Participant Feedback

*"I love the initiative, the availability of the GSF members and the goals we're trying to achieve."*

*"Really fantastic job on the organization! Thanks a lot to all GSF members involved."*

*"I really liked the flexibility that you gave us to create anything we wanted."*

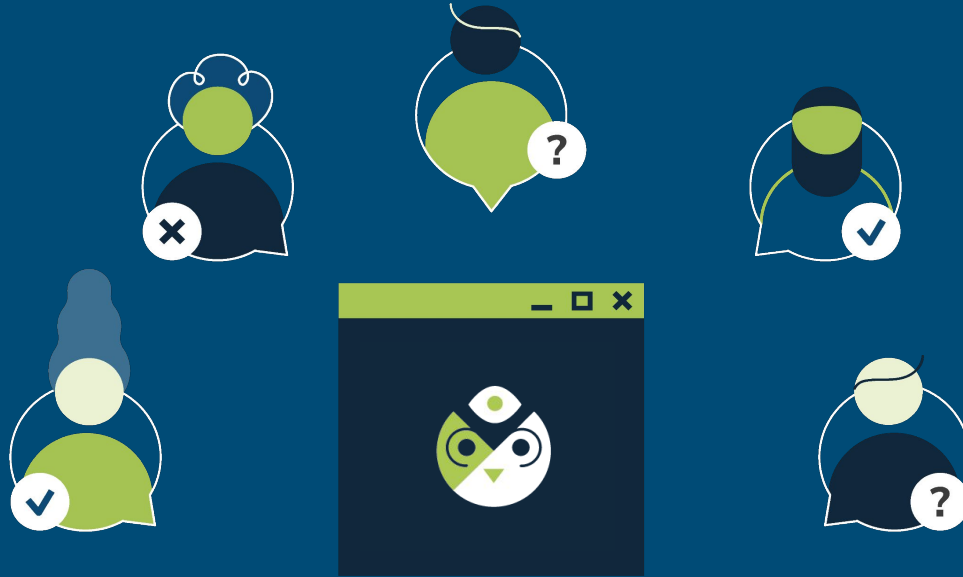
*"Loved the whole idea of it and the prizes were amazing (did not see the prizes in advance of the final call). Felt a real buzz around being involved and working with the GSF. "*

*"The whole hackathon experience was great, especially in terms of the documentation, which was very clear and detailed, basically answering all the questions we had about the hackathon and the timeline was very clear. And the regular video Q&As were very helpful for IF understanding."*

*"My team is truly grateful for the recognition and the honor of being the winner of Best Content. The acknowledgment from GSF is a significant milestone for me and my team, and we deeply appreciate the distinction. Moreover, this competition has been an incredibly enriching experience."*

# Carbon Hack was just the beginning.

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[grnsft.org/if-whats-next](https://grnsft.org/if-whats-next)