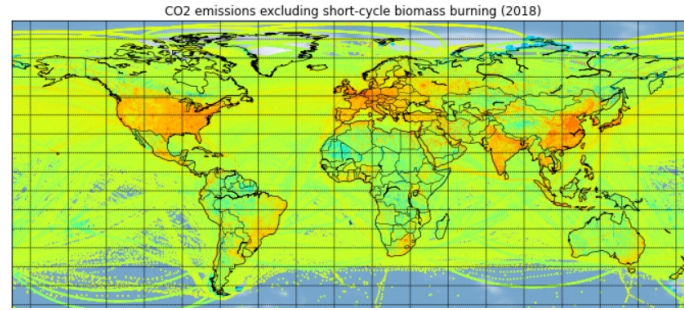




# **Continuous Carbon Cycle**

The Open Impact Toolchain

# True Sustainability is Open



Emissions Database for Global Atmospheric Research

DRAFT

## Transparency and Trust

Sustainability is massively misused for marketing purposes. By publishing life cycle assessments, data sets and models, we can **create an open measure of what is actually sustainable**.

## Acceleration

Climate change needs a massive acceleration of innovation in the next year to transform technology. The **open source movement has fast-tracked the most innovative areas** such as AI, robotics, cloud or blockchain.

## Collaborative

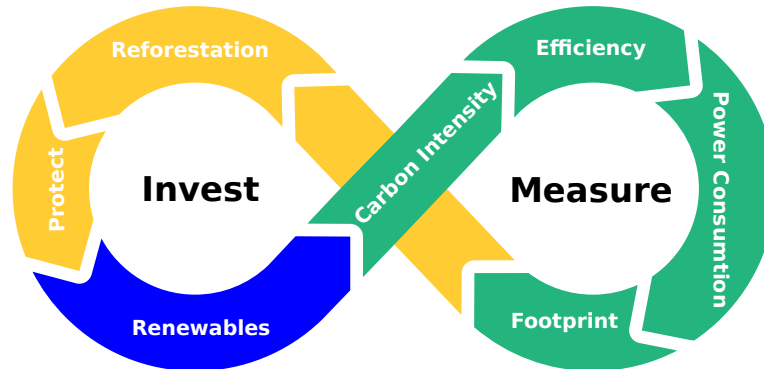
Openness enables organizations, individuals, and companies around the world to **participate in finding solutions together**.

# Continuous Carbon Cycle



**Creating an open toolchain to measure and reduce the environmental impact of your organization.**

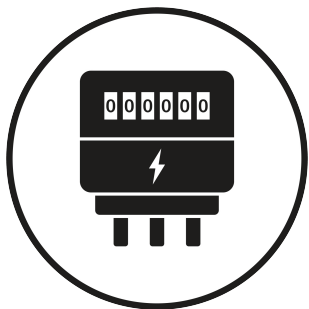
- Precise measurement of values like power consumption and emissions produced by it.
- Create a public investment strategy to reduce your environment footprint
- Publish data, dashboard, roadmap and models of your impact.
- Collaborative and open definition of standards based on software tools
- Proven Sustainability by Open Principles, Data and Models.





# Open Climate Pledge

## Impact Measurement



- Biodiversity
- Power consumption
- Energy efficiency
- GHG emissions
- Ecostress
- Assessment of buildings for renewables
- Resource Consumption

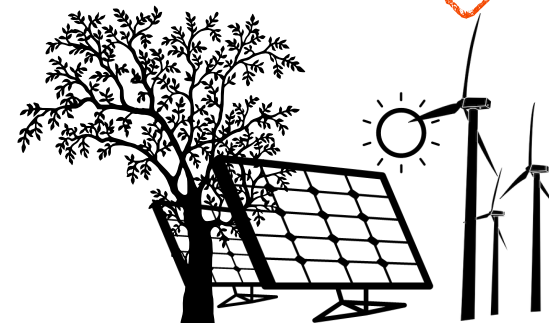
## Transition Strategy



## Software Models

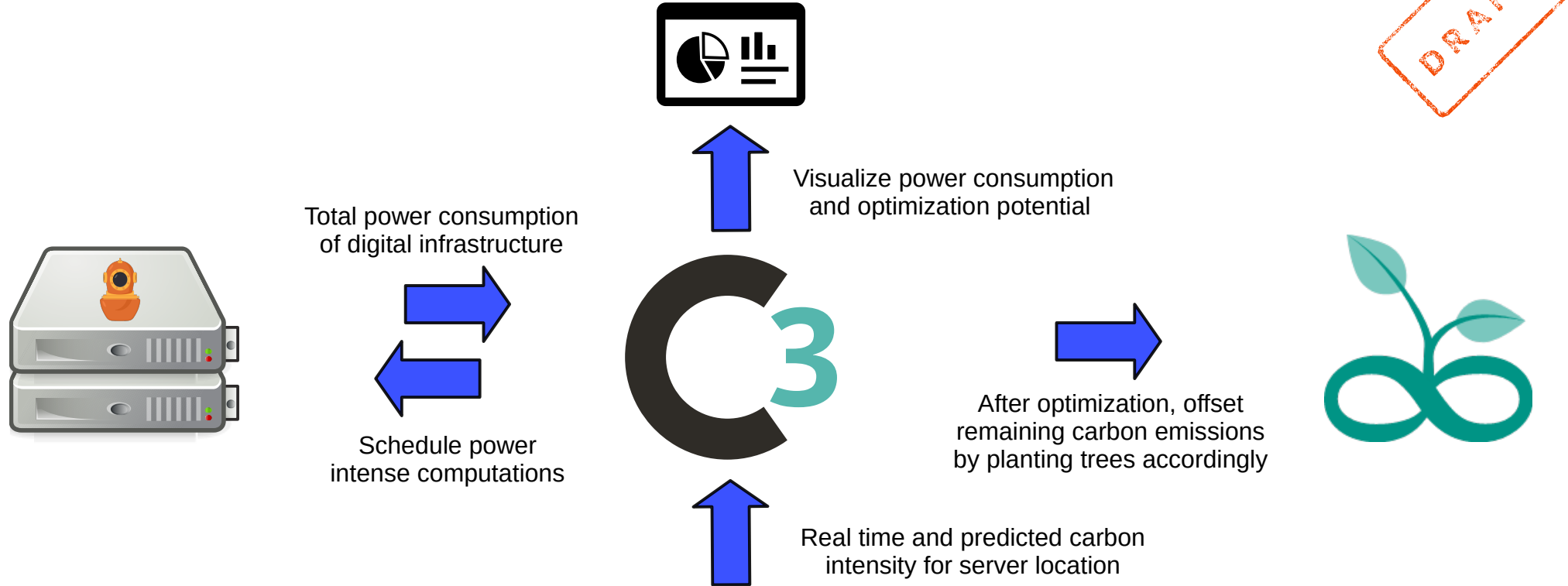
- CO<sub>2</sub> intensity
- Energy mix
- CO<sub>2</sub> per tree
- Social impact
- Product Life Cycle

## Invest and Act



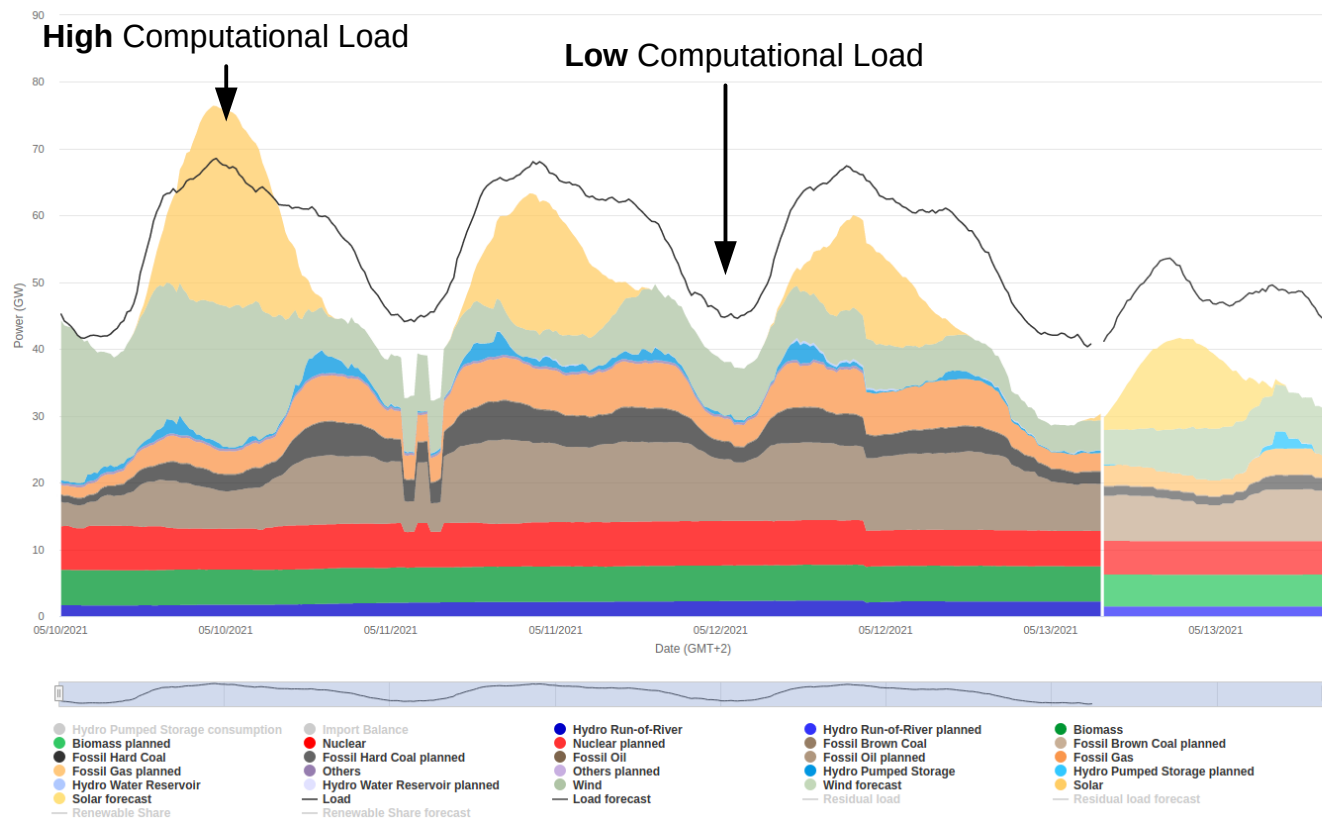
- Optimize energy efficiency within your company
- Invest into renewable energy
- Invest into protection and recovery of nature

# Minimal Viable Product



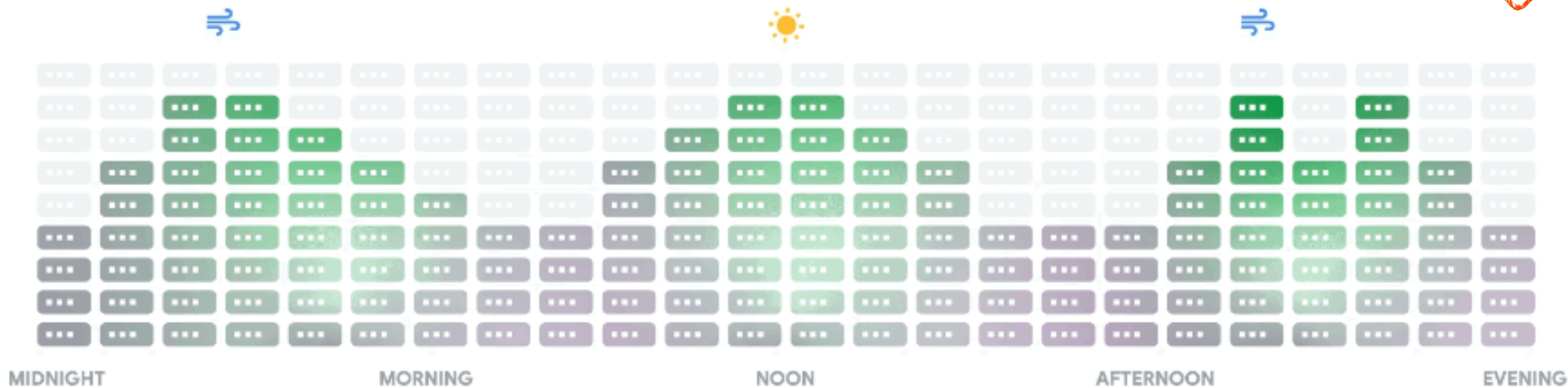
# Carbon-Intelligent Computing

Net electricity generation in Germany in week 19 2021



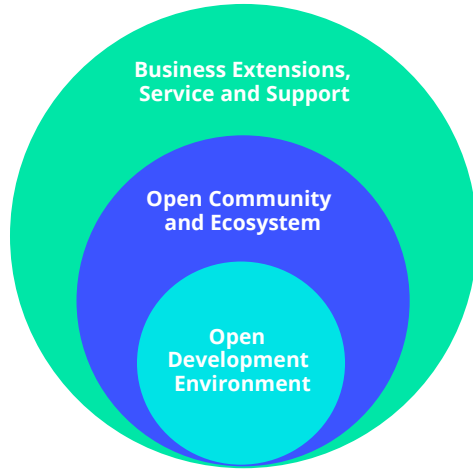
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# Carbon-Intelligent Computing



<https://blog.google/inside-google/infrastructure/data-centers-work-harder-sun-shines-wind-blows/>

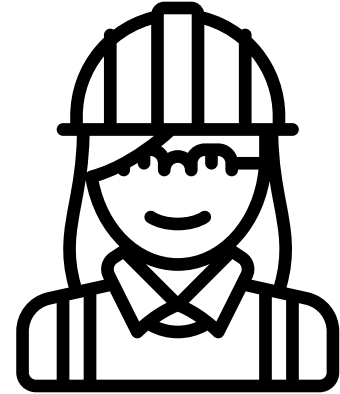
# Open Core Ecosystem



Open Core  
Business Models



Open Toolchain  
and Knowledge  
Base



Support, Consulting  
and Application by  
Engineers and  
Scientists







# prototypes

Transparency  
and Trust  
by  
Openness

Open  
Knowledge  
Evolution

Open  
Business  
Models

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