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Standing on the Shoulders of Giants

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Amplification of a
Sustainable Technology Transition

Standing on the shoulders of giants

Open source is the cooperative, open and global demonstration of technology combined with knowledge transfer and proof.
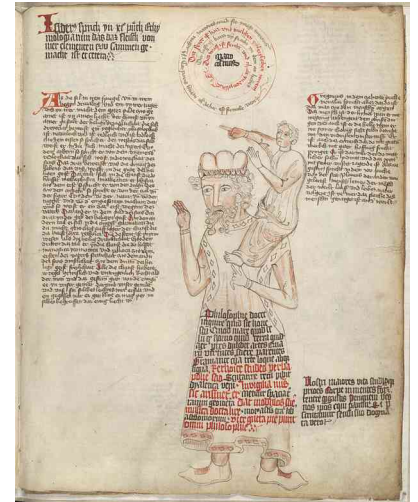
The scientific consensus on which our prosperity is built upon, uses the same principle.

"Knowledge is a collective tradition"

- Vandana Shiva

"If I have seen further it is by standing on the shoulders of Giants."

- Isaac Newton

Evolution in Open Knowledge Creation

- 70 % of the worldwide code base is based on open source [1]

- Open Collaborative Innovation in Software Development

  - Cloud Computing [2]

  - High Performance Computing and Big Data [3]

  - Artificial Intelligence [4]

  - Robotics [5]

  - Web Technology [6]

  - Blockchain [7]

  - Embedded Operation Systems [8]

Wikipedia

"If I have seen further it is by standing on the shoulders of Giants."

- Isaac Newton

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Why is Modern Software Development so Innovative?

WISDOM

KNOWLEDGE

INFORMATION

DATA

Proprietary
Knowledge

Open
Core
Knowledge
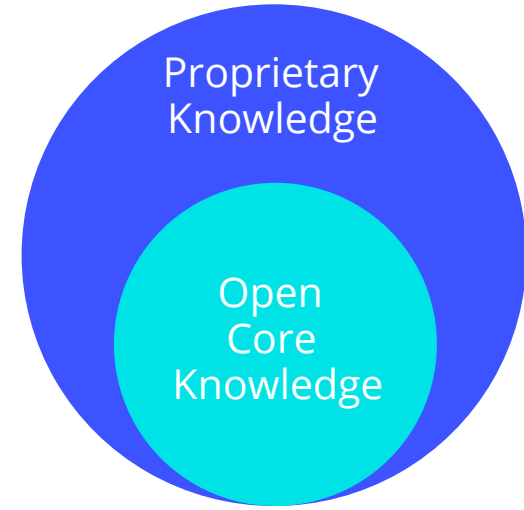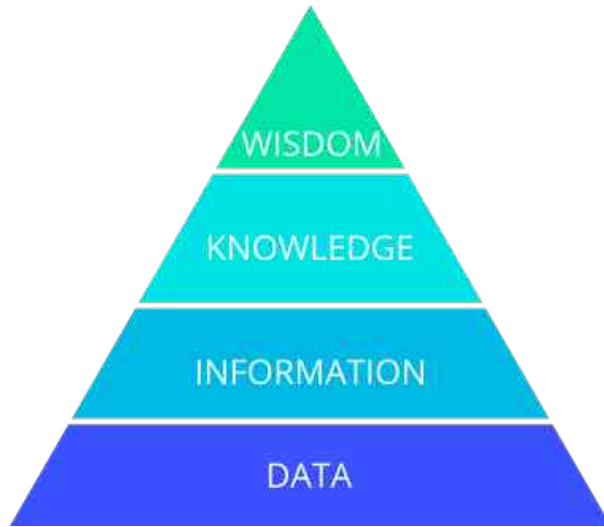
Through the disclosure of information and knowledge, an innovative, resilient and independent business ecosystem has evolved within the software industry.
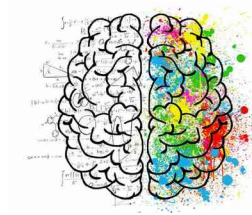
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The Ingredients for Success

Open Business
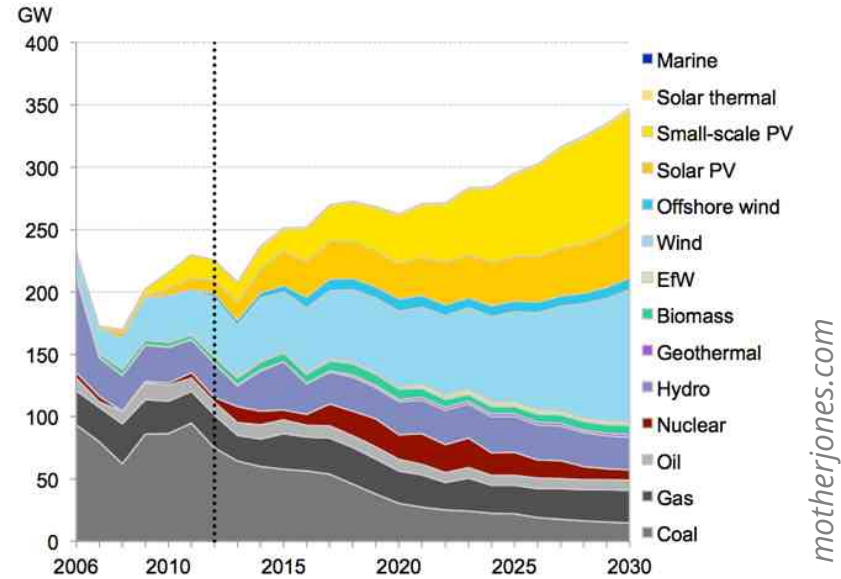Models [1]
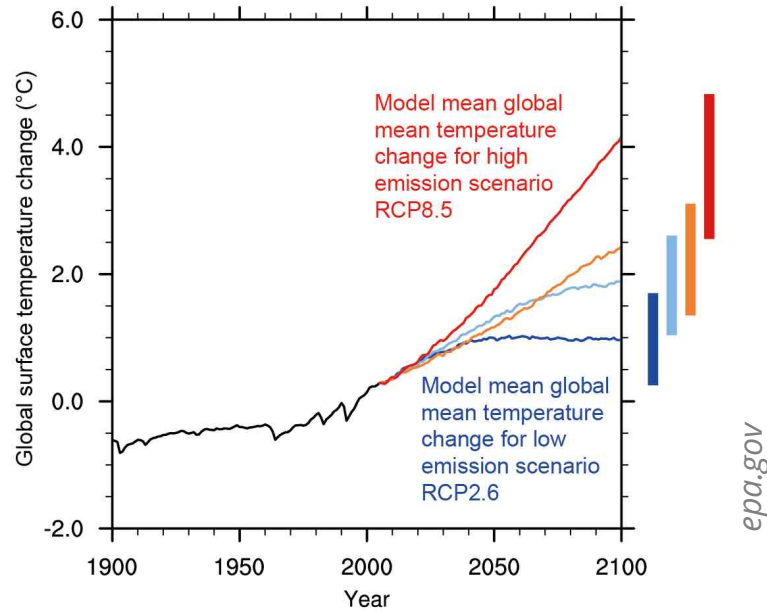
Open Standards
and Data

Reproducible Science
and Knowledge

Inner Source -
Open Source Culture
within Organizations [2]

Open
Community

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Climate Change - A Challenge in Collaboration

epa.gov

motherjones.com

How can we spread knowledge, accelerate innovation and increase cooperation in sustainable technologies?

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Truly Sustainable is Open

Only by exchanging sustainable technology and knowledge worldwide the impact of climate change can be reduced in the long term.

Open Collaboration and development methods have shown fast accerlation of nearly all knowledge based industries.

Independent and open technology gives us a real chance to reach global climate targets.

CO2 emissions excluding short-cycle biomass burning (2018)
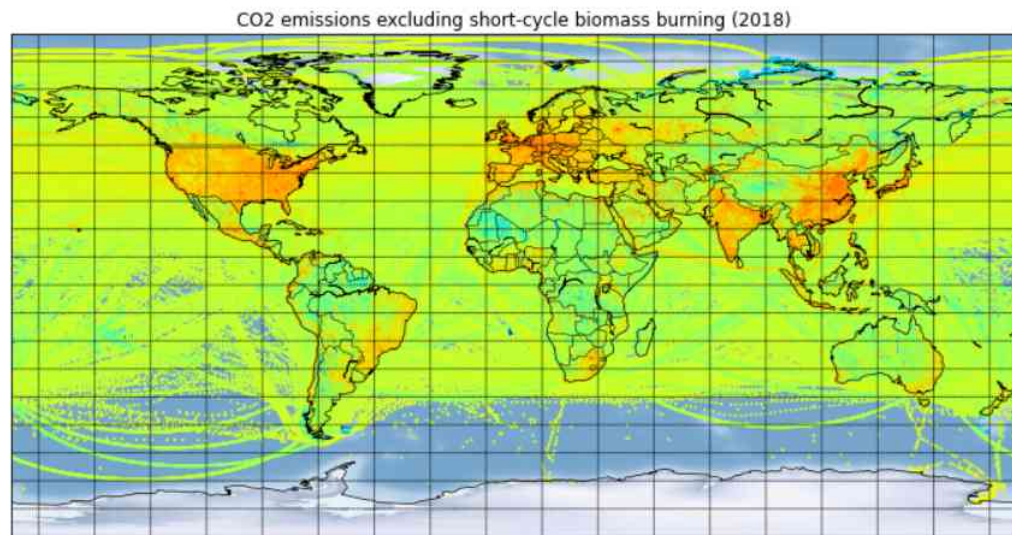
https://edgar.jrc.ec.europa.eu/overview.php?v=50_GHG

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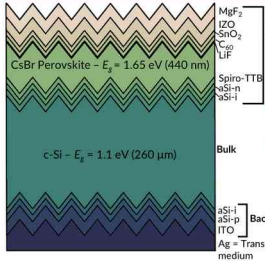
7

OpenSustain.tech

A global "button up" approach to map all worldwide resources for sustainable technology innovation and business development.

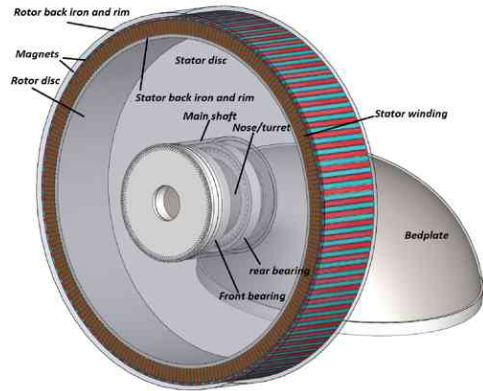We support your organization to
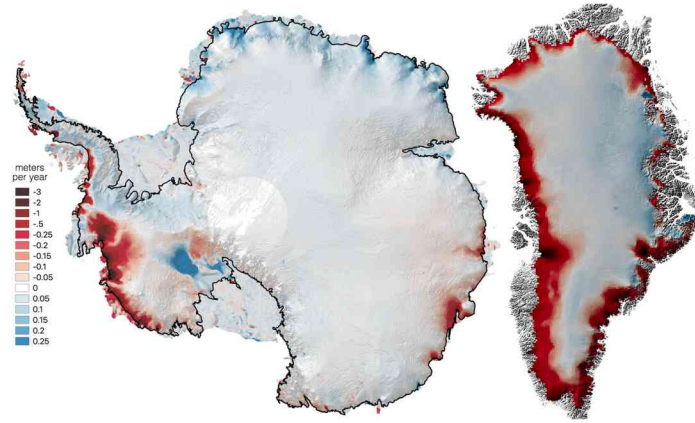„Stand on the Shoulders of Giants"

OpenSustain.tech

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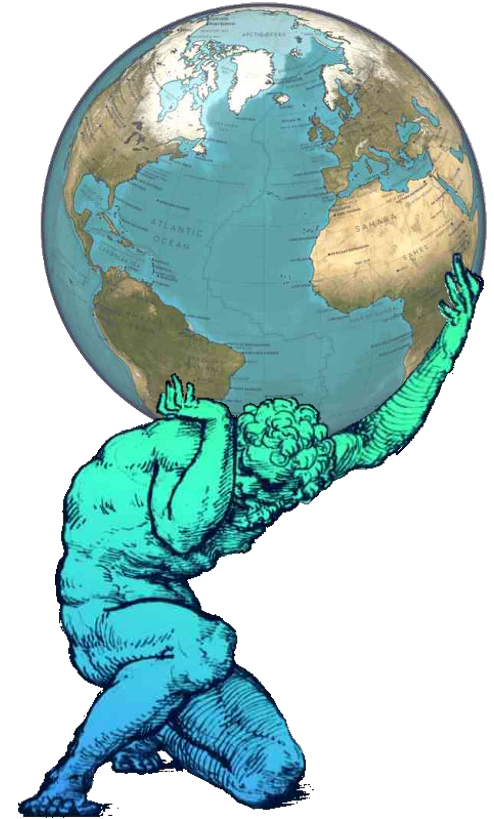
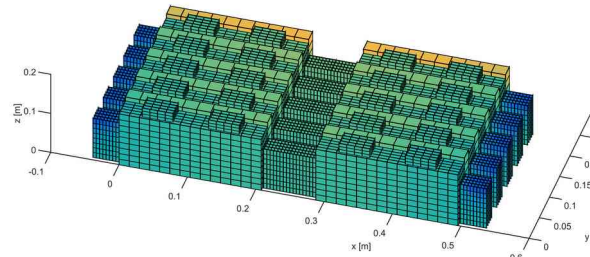# Finding Hidden Gems

Raytrace Modelling in PV

Monitoring the poles

Locate CO2 Emissions

Reference Turbine Standards and Construction Plans

Coupled Electrical-thermal simulations of battery systems
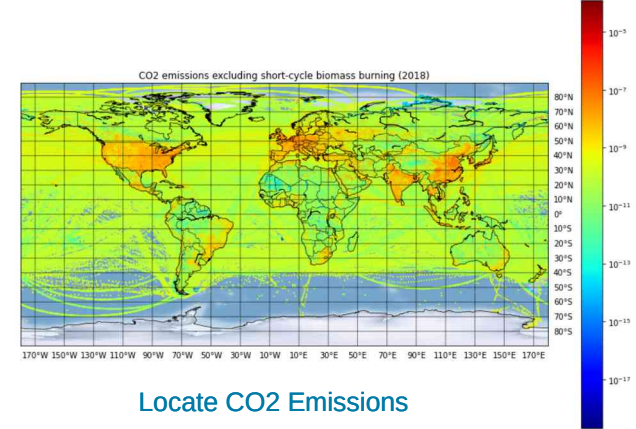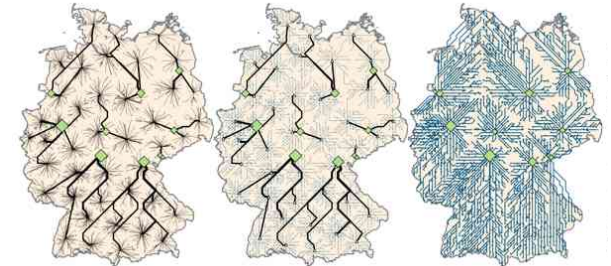
Hydrogen Infrastructure Model

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Amplification of Sustainability through Open Practices

Transparency and Trust

Today, sustainability is massively misused for marketing purposes. Through the publication of "Life Cycle Assessments" and the resulting resource requirements, products and services can actually be considered sustainable.
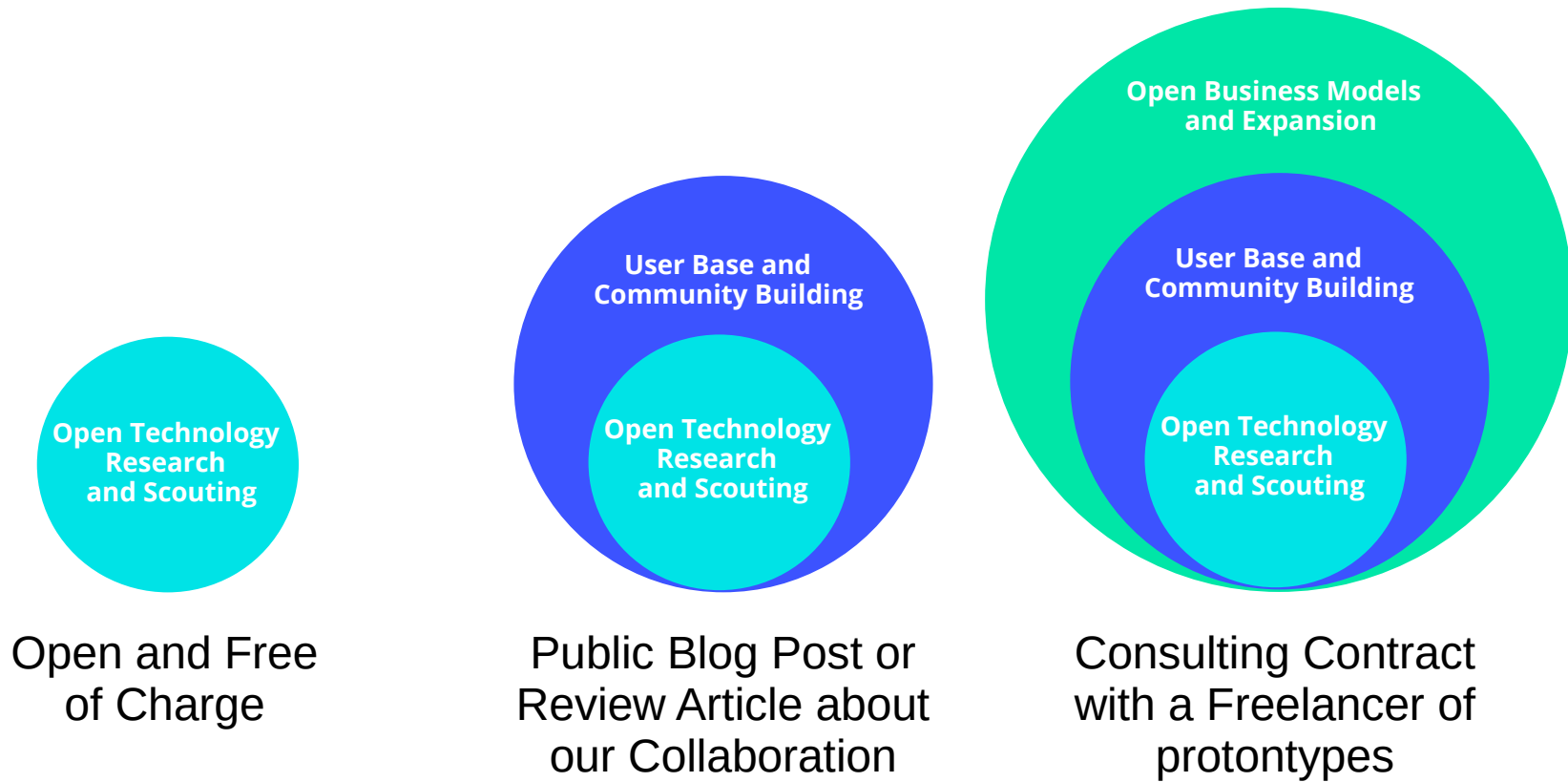
Knowledge Evolution and Adaptation

By exchanging sustainable technology and knowledge worldwide the impact of climate change can be reduced in the long term on a global scale.

Open Business Models

Open business models such as "Open Core" have shown massive scaling effects in recent years.
They create ecosystems with fewer monopolies, higher innovation power and free market participants.
At the same time, they enable customers to be directly involved in product development.

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Our Open Core Business Model

Open Business Models and Expansion

User Base and Community Building

Open Technology Research and Scouting

Open and Free of Charge

Public Blog Post or Review Article about our Collaboration

Consulting Contract with a Freelancer of protontypes

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An independent and open community supporting research and business development based on free and open principiles.

Open Knowledge Bases

Open Funding Distribution

Open Business Models
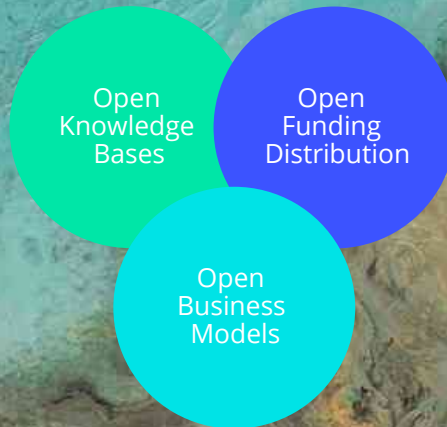
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