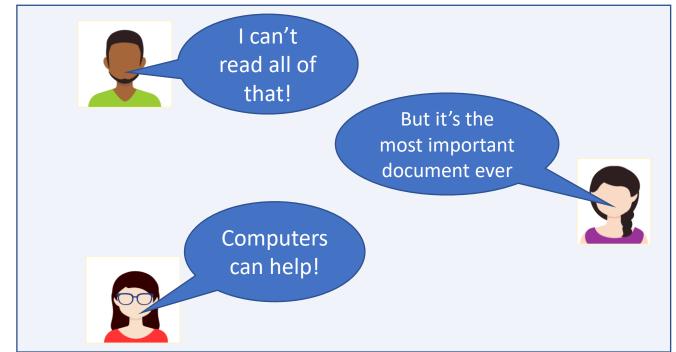


## IPCC reports – most important document ever!

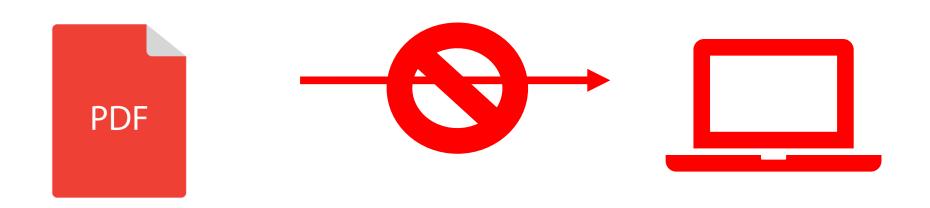




- 3000 pages;
- technical
- not editable

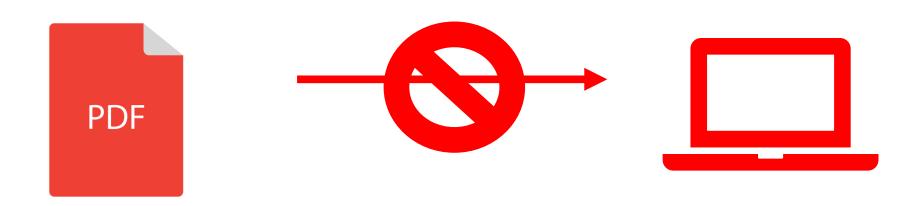


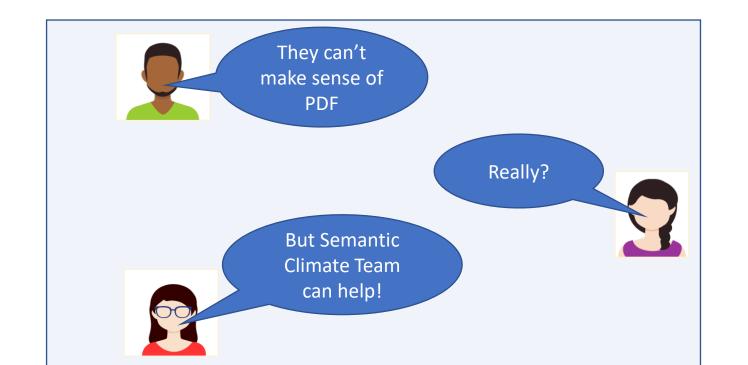
# Machines can help, but...





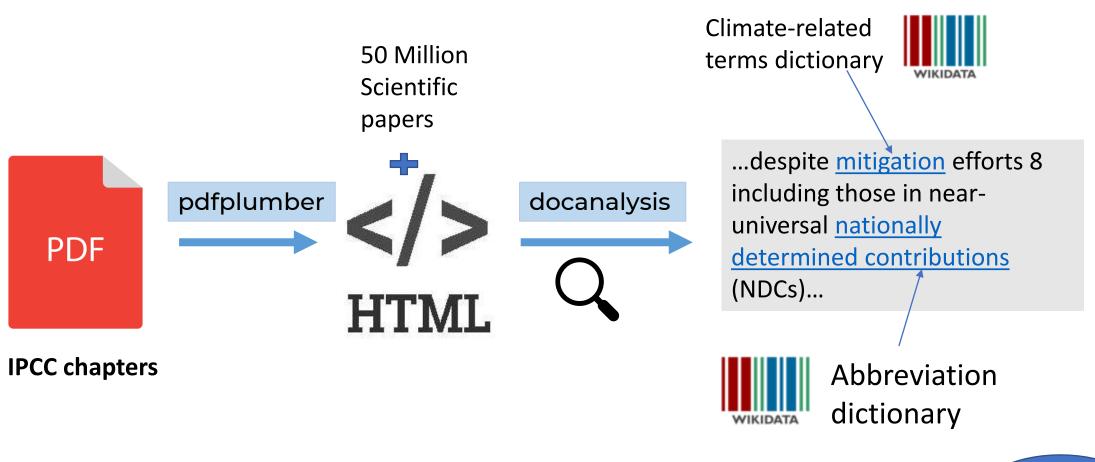
# Machines can help, but...





#### SemanticClimate's tools!

#### New science and tech!









# Rolling program of internships with NIPGR

# We have learnt...

National Institute of Plant Genomic Research, New Delhi

University students working for 2-6 months in an external organization

# Code! Use tech!



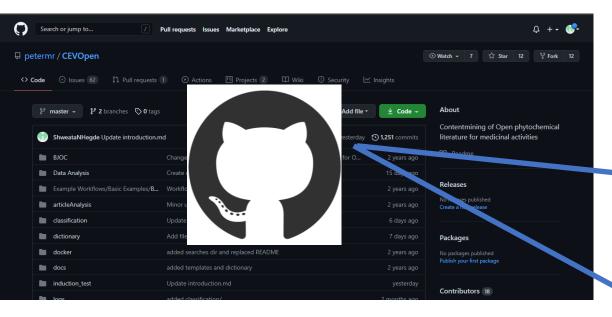




Slide Credit: Ambreen Hamadani

# Collaborate...





GitHub

Open Notebook Philosophy\*

Everything on the web!

## Updated 19-hours ago

real-time updates!

Try it!

https://github.com/petermr/CEVOpen https://github.com/petermr/pygetpapers https://github.com/petermr/pyami

# Work as a community and be accountable





Not-started

In-progress

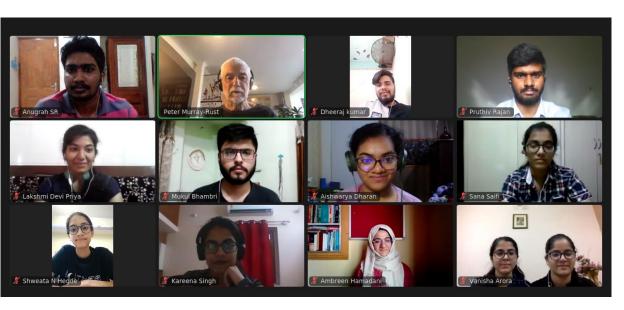
Completed



Daily Catch-up

#### Reach out to the world with our tech



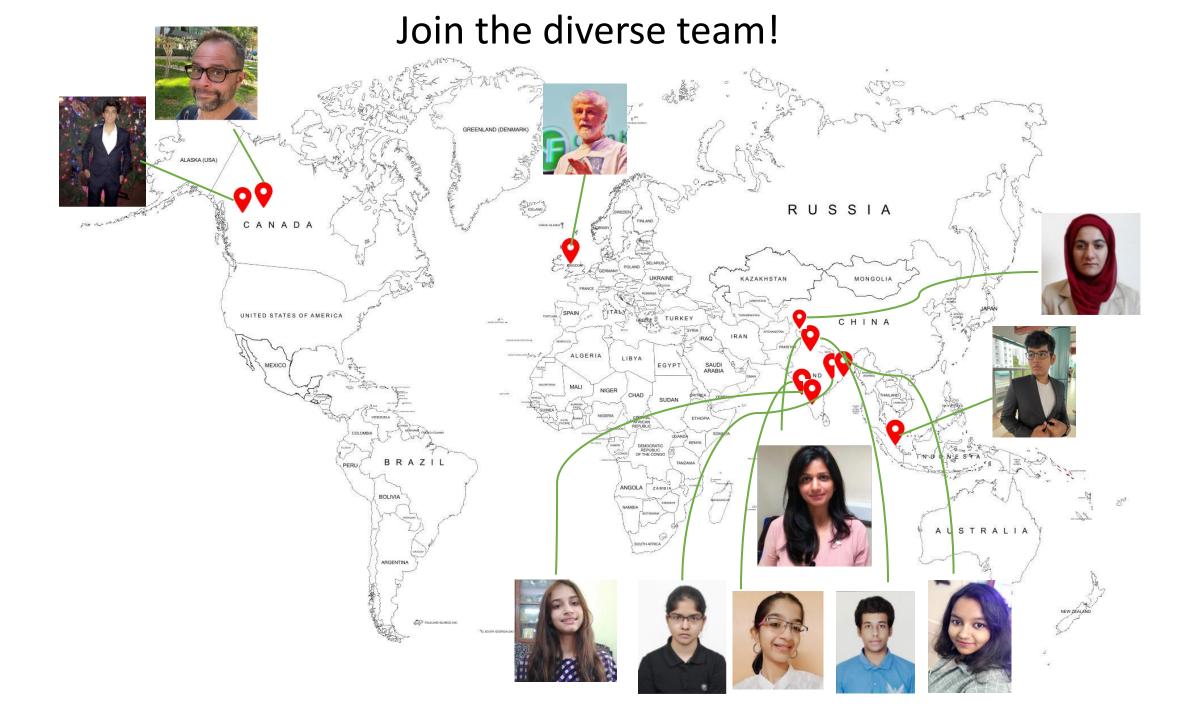


cambiohack



We met Ayush, high schooler – author of pygetpapers -- at a Hackathon!

Maybe we'll meet our next Ayush today?



#### What you might do...

WIKIDATA

- Pick a chapter from IPCC report and extract information using our tools!
- Select key words and search the scientific literature (EPMC)
- Build dictionaries using
   Wikidata

```
<entry term="cone"</pre>
wikidataURL="http://www.wikidata.org/entit
y/Q22710" wikidataID="Q22710"
wikipediaPage="https://en.wikipedia.org/wi
ki/Conifer_cone">
    <synonym>Cone, Conifer cones,
Strobilus, pine cone, pine-cone, pinecone,
pine cones</synonym>
    <synonym xml:lang="zh">松球</synonym>
    < synonym
xml:lang="de">Koniferenzapfen</synonym>
    <synonym xml:lang="hi">कोणधारी
कोण</synonym>
    <synonym xml:lang="es">cono</synonym>
    <synonym xml:lang="fr">cône</synonym>
    <description xml:lang="fr">organe
reproducteur des conifères</description>
    <description xml:lang="es">estructura
vegetal</description>
  </entry>
```

# ATH THE PARTY OF T

**Dr. Peter Murray-Rust**Reader Emeritus in
Molecular Informatics
Univ. of Cambridge



Enakshi Das

MSc. Bioinformatics

Pondicherry Univ.

Slide Credit: V. S. M. Roopa

### Our Team



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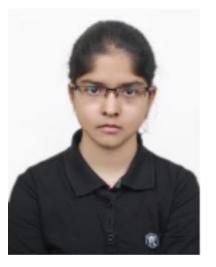
Shweata N. Hegde B.Sc. B.Ed. Regional Institute of Education, Mysore



**Dr Ambreen Hamadani** Lecturer, SKUAST-Kashmir



Emanuel Faria
Plant Medicine R&D,
Verriclear Natural Skin
Essentials



Ananya Singha
Electrical Engineering and
Computer Science
IISER Bhopal



Anubhab Chakraborty
Electrical Engineering and
Computer Science
IISER Bhopal

#### Thanks to





#### More on:

https://github.com/petermr/petermr/discussions/37