

Hackathon participants info 2024-12-02

... Name	Your Organisation / Affiliation	Primary Occupatic	Propose a project (Optional)	Information to share with other participants (Optional)	Presence	Other
Zubin Nayak	Green Cafe Eindhoven	Other			In person	
zeljko blace	<a href="https://m2.hr/">m2.hr</a> / wikimedia	Other	i would love to create Wikimedia based documentation in form of Wikidata and media + entries in wikipedia pages when possible. Wanna create ad-hoc database with knowledge graph	i am lucid creative and critical artist and thinker with praccize in dedign and media work i tend to think oit of box and empower collaborators	In person	
YARO MAHMUDU YUSIF	CONCFRNEED MUSLIM FOR PEACE AND SECURITY	Other			In person	
Valerie Aurora	Bow Shock Systems	Software Developer	I would like to write a calculator that uses different methods to compare the cost/benefit of replacing fossil fuel with nuclear power in the energy transition, and experiment to find how sensitive the output is to the parameters. For example, one cost of both sources of power is the loss of land from human use - but at different speeds, in different locations, and with different ability to predict when and where it happens.	I would like to write a calculator that uses different methods to compare the cost/benefit of replacing fossil fuel with nuclear power in the energy transition, and experiment to find how sensitive the output is to the parameters. For example, one cost of both sources of power is the loss of land from human use - but at different speeds, in different locations, and with different ability to predict when and where it happens. I am a systems engineer writing a climate fiction novel which I describe as "Jurassic Park but with nuclear reactors." My goal is to explain the issues involved in the energy transition and especially decarbonizing the grid in an entertaining format. One of the ongoing debates about decarbonization is how to compare the impacts of different energy sources; e.g. how to compare the effects of fossil fuel to nuclear power? Both remove productive land from human use, but at what rate? Much depends on the true severe accident rate of nuclear power, but because severe accidents are so rare, the range of estimates for the rate is quite large. My previous work includes saving billions of disk writes by inventing "relative atime" for Linux file systems, and then watching all that saved electricity fall victim to Jevons' Paradox and be burned on cryptocurrency and AI. I also lived for two summers without electricity or running water when I was a kid.	Online	
Urban Suhadolnik	TU Graz   Left Click hackerspace	Student			Online Other	Might organize a local hub at Left Click hackerspace in Ljubljana
Tristan Nguyen	Amalgam Energy	Software Developer	Amalgam energy is circular energy community		Online	
Toke Hoiland-Jørgensen	Red Hat	Software Developer	The Linux networking stack is most often tuned for maximum performance, without taking into account things like power usage or carbon footprint. I believe it is possible to improve the efficiency of a network-centric Linux system significantly by a combination of configuration options and better tooling. I propose to use the hackathon to develop best-practice documentation around tuning a Linux system for low power usage, and/or work on a policy daemon that can apply such policies automatically, and scale them with the system load.		Other	In person if I can get travel funding, online otherwise
Tim Cowlishaw	Universitat Oberta de Catalunya	Researcher	I'd like to carry out a small speculative design project, investigating how permacomputing and degrowth-inspired approaches to internet infrastructure might manifest practically in one of these specific sites: What would a "data centre town" look like in a post-growth world?. To answer, we'll learn on methods from Discard Studies [2], and in particular, methods and materials developed as part of my PhD project [3] and in teaching [4], for using Discard Studies as a method for speculative design practice. Discard Studies takes a broad, systemic approach to the study of waste, pollution and neglect, asking "What needs to be discarded for this or that system to carry on?", and provides tools for identifying sources and effects of polluting behaviour in the present, and methods for imagining alternatives. We'll apply these techniques to explore how the polluting effects of internet infrastructure play out in one of these field sites, spending a morning doing some guerrilla fieldwork, before exploring how permacomputing-inspired approaches might change these infrastructures, and designing speculative prototypes that illustrate the effects that such an approach might have on our site in the future. REFERENCES: [1]: <a href="https://www.datacentermap.com/the-netherlands/amsterdam/">https://www.datacentermap.com/the-netherlands/amsterdam/</a> ; [2]: <a href="https://direct.mit.edu/books/oa-monograph/5337/Discard-Studies/Wasting-Systems-and-Power">https://direct.mit.edu/books/oa-monograph/5337/Discard-Studies/Wasting-Systems-and-Power</a> ; [3]: <a href="https://www.pccb.org/en/activities/file/minds-lies-and-materials/243183">https://www.pccb.org/en/activities/file/minds-lies-and-materials/243183</a> ; [4]: <a href="https://tinyurl.com/trr23-slides">https://tinyurl.com/trr23-slides</a>	I'm a PhD Student at the Universitat Oberta de Catalunya (Barcelona), in the DARTS (Design, Arts, Technoscience and Society) group, investigating the materiality and environmental effects of internet infrastructure from a Design Research and STS (Science, Technology and Society) perspective, as well as a designer and developer of web applications, research prototypes, and a fair bit of more generally "artistic" work which usually explores the same themes of my PhD. I'm very interested in permacomputing and degrowth inspired approaches to web design and technology, and in combining rapid prototyping (and just "making things" more generally) with ethnographic methods. More details at <a href="https://www.timcowlishaw.co.uk/">https://www.timcowlishaw.co.uk/</a> . I'm also on Mastodon at @mistertim@assemblag.es - if you're also on there, please say hi!	In person	
Thomas van Dijk	energycombined	Researcher			In person	
Theo	Groengroep Curacaostraat	Designer	See above	I have no team and would be dependend of the skills of others. Support I can support with: -I know where to get the open source 3d data from -I know where to get the addresses of the communal gardens from -I have an idea how the gardens could be 3d scanned -I don't have knowledge about Open Steet Maps -as an artist (sculptor) give artistic- and social political meaning -getting public subsidy how to make the 3d map public and keep it running on a communal website as part of a future to be create cooperation.	In person	Present in person
TCHAKOUNTE NGANTCHOU Franck Raoul	MOBS STUDIO	Network Operator			In person	
Sasha Romijn	Independent	Software Developer			In person	
Sandoche Balakichenan	Afnic	Researcher	Introduction and motivation: The tools to measure the energy consumption of a server can be classified into hardware and software. Hardware tools like Yoctowatt (wattmeter) allow one to monitor the power consumption of almost any electrical device. Software tools like Scaphandre make it possible to see the power used by a single process on a computer. For example, one can compute the power used by the DNS software running on a machine with the help of Scaphandre. Another open-source software tool called "Ecofloc" enables independent energy measurement for the CPU, GPU, RAM, storage devices, and network interface controllers. Thus, it is possible to compute the energy consumption of BIND (DNS software) running on a machine and its impact on specific hardware like CPU, RAM, etc., using a combination of Scaphandre and Ecofloc. What has or will be done before the hackathon: We have an environment (a machine running only BIND with Scaphandre and ecofloc installed) setup. We have set up an architecture wherein the energy measurements are continuously fed into a different machine with Grafana installed, thus enabling continuous monitoring. We are looking at whether it is possible to isolate DNS energy consumption from other processes such as Scaphandre and ecofloc if it is integrated with BIND. Since ecofloc is an open source from a research laboratory, we are working on rectifying bugs and making it easy (such as a docker) to run on Linux distributions. We are also looking at where the code insertions could take place so that ecofloc could be launched with BIND. During the Hackathon: We want to integrate ecofloc to bind, to enable integrated DNS energy measurements. We also want to tweak the ecofloc code in order to have a continuous measure and manage the log creations by ecofloc, thus making it more adaptable to the environment it is deployed Expected outcome: After the hackathon, the resulting code and documentation should help a tech user run BIND with ecofloc for energy measurements.	We would be interested in working during or after the hackathon with candidates who have experience with DNS software source code.	In person	
Samaa Abdullah	Amman Arab University	Researcher	Yes, it is. It will work on the accelerating and recycling of wastewater coming from paint industries by eliciting waste extraction and sedimentation after adding an innovative mixture that was invented.	non	Online	
Roujanski Gatien	Telecom SudParis	Student			In person	
robert julius	some affiliation with XR and anarchist collectives	Other	don't have a clear project yet but it would be nice to do something about solar panels. Making big fields of them on fixed racks interferes with the water/rain cycle, aggravates land-use issues which can be counter productive. if we can at least get them to turn towards the sun, and fold vertical to allow trapped moisture to pass upwards at night if the weather allows.. Or anything else, i'm happy to go around and discover where i feel called to participate.		In person	

...	Name	Your Organisation / Affiliation	Primary Occupatic	Propose a project (Optional)	Information to share with other participants (Optional)	Presence	Other	
	Robert Anthony Ponga Hindowa Magbity	EASTERN TECHNICAL UNIVERSITY OF SIERRA LEONE	Other	PROJECT: EDUTECH HUB Objective: To build a smart platform that leverages AI, cloud computing, and data analytics to enhance the learning experience for students and faculty in technical universities like Eastern Technical University of Sierra Leone. Key Features: 1. Personalized Learning Paths: Adaptive learning algorithms that create personalized study paths based on student performance, learning preferences, and course difficulty. 2. Smart Resource Management: Real-time tracking of the availability of educational resources such as lecture materials, books, and lab equipment. 3. A digital repository of resources that students and lecturers can access easily, optimized for mobile devices due to local internet challenges. 4. Collaborative Virtual Labs: Virtual labs where students can collaborate in real time on technical assignments, coding, simulations, and experiments, especially in subjects like engineering, ICT, and data science. 5. Gamified, competitive coding challenges to boost engagement and practical skills. 6. AI-Powered Tutoring and Assessment: A chatbot or AI tutor for answering common student queries related to coursework, assignments, and project guidance. 7. Automated grading system for practical and theoretical assessments, reducing manual workload on lecturers while providing timely feedback to students. 8. Real-Time Analytics Dashboard for Faculty: Data-driven insights on student progress, course effectiveness, and resource usage. 9. This helps educators tailor instruction and focus on areas where students are struggling. 10. Predictive analytics to identify students who may need extra help before they fall behind. 11. Offline Learning Support: An offline version of the platform (progressive web app or downloadable content) for students with limited or unreliable internet access. This ensures continuous learning even in challenging environments. 12. Community and Peer-to-Peer Learning: A discussion forum or question-and-answer platform where students can ask and answer questions, encouraging peer-to-peer learning and a collaborative environment. 13. Integrating social learning features like leaderboards, badges, and points to motivate students. Technologies: i. Frontend: React/Flutter for web and mobile access ii. Backend: Node.js/Express.js or Python (Django) with a REST API iii. AI/ML: TensorFlow or PyTorch			Online	
	Rin	Other Systems	Other	I have a gemini (the protocol, no ai) search project in the works that I can work on. Would be interested in working on this or other low-tech systems.			In person	
	Renout	Telecom SudPays	Student				In person	
	Ramon Bister	Eastern Switzerland University of Applied Sciences	Researcher	Building on our previous work on retrieving network energy efficiency data (for more details, see: <a href="https://eexplorer.iese.org/document/10588907">https://eexplorer.iese.org/document/10588907</a> ), we propose developing a simulation-based application that leverages this data to optimize traffic flow and improve overall energy efficiency in computer networks. The project will focus on creating an algorithm capable of analyzing raw data from our proof-of-concept (PoC) environment, offering real-time suggestions for traffic flow adjustments to reduce energy consumption. The primary goal is to demonstrate that energy-efficient traffic routing can be achieved using our collected data, while also identifying any gaps in the current dataset that would be crucial for further optimizations.	To ensure effective collaboration, we recommend reviewing the paper referenced in the project proposal for a deeper understanding of our approach. It would also be helpful to familiarize yourself with the IOAM protocol, particularly the IOAM Aggregation Trace Option, which is a key element in collecting energy efficiency data in the approach proposed. You can find the details of this extension in the following specification: <a href="https://datatracker.ietf.org/doc/draft-cx-ippm-ioamagg/01/">https://datatracker.ietf.org/doc/draft-cx-ippm-ioamagg/01/</a> .		In person	
	Q Misell	Max-Planck Institut für Informatik	Researcher				In person	
	Pranav Modi	Independent	Hacker				Online In person	
	Pavlos Grigoriadis	University of Crete	Student				Online Other Local Hub Heraklion	
	Paulan Korenhof	Wageningen University & Research	Researcher	Work on a research paper/white paper/manifesto on green digital technology; what is green digital technology? What are the basic principles? Can we make recommendations for governance policies?	I work as a philosopher and social sciences researcher on the crossroad between digital technology & environmental governance. In this context, I for example critically explore the Destination Earth project of the EU, where a digital twin of planet Earth is developed to support decision making in environmental governance. An early joke with regard to this project was, that the expectation was that this digital twin would consume an amount of energy equal to the city of Paris and would point itself out as first thing to be unplugged. While in practice it may not be that extreme, it is a painful truth that technological tools commonly are thought and funded based on their high tech fanciness, and not from a proportional and sustainable contribution to life in general. Instead of only criticising what is happening with regards to the general direction of digital developments (more and faster data, AI, etc.), I would like to contribute in a positive way and think about policies and guidelines on what sustainable technology would ideally mean and look like: what is proportional and fair? This requires an interdisciplinary effort, and I hope this hackaton can be a place to think about this with diverse disciplines and people.		In person	
	Pankaj Kumar	Pankaj Kumar	Student				In person	
	Oliver	GEMAKOM	Student				In person	
	Ola Bonati	Wag	Researcher		Ola Bonati is a researcher and storyteller working on topics exploring the implications of various technologies in our culture. In her work, she investigates the consequences of web 3.0 hype, digital monopolies, platform labor, personal digital habits and she also has (research) fun with various meme vernaculars. She has experience in creating critical new media pieces, Digital Transformation, and Interactive Performance Art, a combination of which she uses in her practice.		Online In person Other	
	Nienke	Ty Myrdin	Other	An open source project for supporting developing Green Tech strategies in context, because one-size fits all does not work.			In person	
	Nicolas Fiumarelli	IS3C WG1 Chair	Other	PQC for IoT in the greening problem. Also bigger data packages for PQC keys and processing in constrained devices	We will prepare a github and explain with short presentations to IoT quantum resistant approach and preparations for greening the Internet with PQC, it est, lowering power costs. Abalysis and research on IoT security standards and update taking into account 3 NIST announced PQC		Online	
	Nick Hoggood	<a href="#">Interlink</a>	Network Operator	Either a fork of or a similar stack to the Cisco green-monitoring project, with support and documentation for other vendors to monitor data centre/PoP energy consumption: <a href="https://github.com/cisco-open/green-monitoring/tree/main">https://github.com/cisco-open/green-monitoring/tree/main</a>	I'm a network/software engineer with an interest in network automation, experienced in python, api's (consumption and design/creation), jinja templating, CI/CD, Bash etc. I'm happy to contribute to any project with a preference towards a practical project where I can get coding!		Other Local Hub Dublin	
	Niall O'Reilly	RIPE	Other				In person Other HEAnet local hub	
	Maxime Piraux	UCLouvain	Researcher		Hi :) I am a PhD researcher at UCLouvain and have been working on extending transport protocols for various purposes. I am now seeking other opportunities to expand the scope in which my knowledge of the Internet protocols can be useful, i.e. by integrating more perspectives when considering the Internet infrastructure than "pure technical aspects", which fail to capture the social dynamics, the power balance and the mode of production of the Internet infrastructure itself. I am skilled at both design and implementation works. I can perform experiments and have some experience with open-source datasets on networking measurements (RIPE, MLab, etc). I also have experience in writing IETF drafts. I would rather join a project than propose a new one. <a href="https://datatracker.ietf.org/person/maxime.piraux@uclouvain.be">https://datatracker.ietf.org/person/maxime.piraux@uclouvain.be</a> <a href="https://scholar.google.com/citations?user=DRHOxwAAAAJ&amp;hl=fr">https://scholar.google.com/citations?user=DRHOxwAAAAJ&amp;hl=fr</a> <a href="https://github.com/maxime.piraux">https://github.com/maxime.piraux</a>		In person	
	Marcus Rohmoser	Marcus Rohmoser mobile Software	Software Developer	- personal day-to-day services operated by end users like e.g. feedback forms. Low tech and decentral. or - personal video consultation hour booking system, self-operated and low-tech.	<a href="https://Marcus.Rohmoser.name">https://Marcus.Rohmoser.name</a>		Online	
	Luis	hogeschool van amsterdam	Hacker	I do not wish to propose any specific project for this hackathon but would very much like to do a write up about it, participate in the conversations with whatever experience I can contribute and help others document their work. Furthermore in the most immediate interests that I wish to develop ideas for are more public awareness about the way in which data centers use diesel generators, directly impact emissions and what alternatives are being considered at the moment.	Coder and educator. Particularly interested in the dissemination and understanding of the impact that innovation, and particularly computing have on resource use and the impact in chances of creating a liveable planet.		In person	
	Lea Shamaa	University of Amsterdam	Student				In person	
	Kathrin Elmenhorst	None	Researcher				In person	
	June Parris	ISOCBB, United Nations working groups language, fundraising, environment, Gender, Disabilities, DC SIDS, DDHT, CIVICUS, Former UN MAG 2018-2021, Barbados Civil Society, Future Centre Trust, Deaf Heart Foundation, ISON Global, ARIN, CaribNog, Latnic, CTU.	Other	I am active on a project called "Clean up Barbados". This takes place annually with groups of volunteers under team leaders choose problem areas to clean up, cleaning water ways, pathways, gulleys and general litter on beaches. This is collected by volunteer vehicles and weighted so as to provide statistics on how much is collected. We spend most of the year preparing, reporting and reaching out. We have a wide group of volunteers for all aspects of life and with qualifications in environment, engineering, health, IT and other relevant skills which assist in performance and follow through. Firms offer funds and other useful equipment and these are collected by volunteers to hand over to the clean up crew.	It is important to get word out in the community, to teach and educate		Online In person I will attend in person if I receive funding, otherwise I will attend online.	
	Josef Hammer	Eastern Switzerland University of Applied Sciences	Researcher				In person	

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Jon Richter	Ecobytes e.V.	Network Operator	Lately the application of federating environments in between instances of Mastodon, GoToSocial, Ghost, Discourse and other ActivityPub-alikes have shown, in contrast with the experiences made within the more passive wiki federation, that there is a yet unanswered question about, what platform commoning <sup>2</sup> is and how it translates into the decolonialising degrowth paradigm. <sup>1</sup> <a href="https://degrowth.social/@yala/111421805179018052">https://degrowth.social/@yala/111421805179018052</a> <sup>2</sup> <a href="http://platform.commoning.wiki">http://platform.commoning.wiki</a> Few loose ties are present, which ask for collection and reconciliation, especially around Slow Technology, Digital Minimalism, Minimal Computing <sup>3</sup> and frugal information systems, building on experiences from our socioecological communities and prior art by LIMITS, RIPE Labs, branch, COMPOST, Low Tech Magazine, Permacomputing, Perseverance, Local-first, Archiving, P2P and other Frugal Computing activities <sup>4</sup> . <sup>3</sup> wiki lineup <a href="http://forage.ion.federated.wiki/view/slow-technology/view/digital-minimalism/view/minimal-computing">http://forage.ion.federated.wiki/view/slow-technology/view/digital-minimalism/view/minimal-computing</a> <sup>4</sup> <a href="https://conifer.rhizome.org/yala/frugal-information-systems">https://conifer.rhizome.org/yala/frugal-information-systems</a> This collection could serve as the empirical material for finding the patterns and their relations in a pattern language of platform commoning using the KJ Method <sup>5</sup> , building on and extending earlier work on a first pattern language of commoning <sup>6</sup> , inviting for many others to come. <sup>5</sup> <a href="https://hillside.net/plop/2017/papers/proceedings/papers/12-iba-2.pdf">https://hillside.net/plop/2017/papers/proceedings/papers/12-iba-2.pdf</a> <sup>6</sup> <a href="http://patternlanguage.commoning.wiki">http://patternlanguage.commoning.wiki</a> The patterning workshop during the berinfedi.day/ for social.almende.io/ has shown that there is interest by civil society operators of other federating community platforms and individuals about enjoying our shared communal online spaces as a Common. This time we would like to widen the scope and invite to observe our patterns of peer-to-peer and platformed networking, also with regards to their Value Flows <sup>7</sup> within the everyday Commons Ecosystems <sup>8</sup> on the ground. <sup>7</sup> <a href="https://www.valueflows.org/">https://www.valueflows.org/</a> <sup>8</sup> <a href="https://pinkmypad.net/libron/ZNYToq9FRW2AB75dIbtQBw">https://pinkmypad.net/libron/ZNYToq9FRW2AB75dIbtQBw</a>	Find me at <a href="mailto:@yala@degrowth.social">@yala@degrowth.social</a> / <a href="https://degrowth.social/@yala">https://degrowth.social/@yala</a> and <a href="mailto:@jon@almende.io">@jon@almende.io</a> / <a href="https://social.almende.io/@jon">https://social.almende.io/@jon</a> and on <a href="https://particular.de">https://particular.de</a> Working on <a href="https://ecobytes.net">https://ecobytes.net</a> , <a href="https://almende.io">https://almende.io</a> , <a href="https://degrowth.net">https://degrowth.net</a> and <a href="https://degrowth.media">https://degrowth.media</a> . Side-interests in <a href="http://federated.wiki">http://federated.wiki</a> , <a href="http://patternlanguage.commoning.wiki">http://patternlanguage.commoning.wiki</a> and <a href="https://the.compost.place">https://the.compost.place</a> Trying to find the Pattern Language of Platform Commoning <a href="http://platform.commoning.wiki">http://platform.commoning.wiki</a> through the means of Slow Technology, Digital Minimalism, Minimal Computing <a href="http://forage.ion.federated.wiki/view/slow-technology/view/digital-minimalism/view/minimal-computing">http://forage.ion.federated.wiki/view/slow-technology/view/digital-minimalism/view/minimal-computing</a> and Frugal Information Systems <a href="https://conifer.rhizome.org/yala/frugal-information-systems">https://conifer.rhizome.org/yala/frugal-information-systems</a> Affiliated with the community around the Value Flows ontology <a href="https://www.valueflows.org/">https://www.valueflows.org/</a> and other Commons Ecosystems online <a href="https://libron.st/">https://libron.st/</a> and on the ground <a href="https://pinkmypad.net/libron/ZNYToq9FRW2AB75dIbtQBw">https://pinkmypad.net/libron/ZNYToq9FRW2AB75dIbtQBw</a> Join the International Degrowth Network <a href="https://degrowth.net/join-us/">https://degrowth.net/join-us/</a> and help us out with your intimate knowledge of ICT in the constant struggle to decommodify and liberate the communications networks of the largest global coalition of Degrowth practitioners to date.	In person	
Hesham	Innovax Technologies	Researcher			Online	
Henk Buursen	Waag Futurelab	Hacker		For me the internet shouldn't just be a tool for passive consumption—it should empower meaningful creation and connection. It should be more "Create, Don't Consume", "Meaningful Connections", "Digital Sovereignty" and "Build Locally, Think Globally". I'm a generalist with a broad base of knowledge across many fields. My strength lies in connecting diverse ideas, combining them in innovative ways, and approaching challenges from an out-of-the-box perspective. As the tablab is near the Volkshotel I can offer access to machines (laser/3d/cnc/vinyl) and microelectronics that we have in the lab.	In person	
Hanusha Durisetty	iron Mountain	Other		Please feel free to check my LinkedIn- <a href="https://www.linkedin.com/in/hanusha-durisetty/">https://www.linkedin.com/in/hanusha-durisetty/</a>	Online	
Francisca Niklitschek	faDA	Researcher			In person	
Francesca Larosa	Royal Institute of Technology	Researcher	The challenge: estimate the carbon footprint (in terms of Co2equivalent) of AI investments. How: Starting with a unique database of AI investments in private equity happened throughout a long time span, participants will work to convert total funds raised into meaningful environmental footprint metrics.		In person	
Fontas Dimitropoulos	University of Crete	Researcher	Sustainable computer science buildings. I would be interested to use data from energy consumption meters that have been recently installed in the University of Crete to track the environment impact of our buildings, build awareness, detect problems, and reduce our environmental impact.		Other	Local Hub
Felix Loftus	University of the Arts London (Central Saint Martins)	Other	Solar Powered E-paper Sign Post Display. I recently developed a networked display that fit on a signpost and think this could be used as a good teaching tool for sustainable digital arts practice. The display can inform users about the power consumption of the device, and download imagery from a database. The current version of the display involves e-paper screens driven by an esp32. I would want to work with programmers/engineers to improve the efficiency of the hardware and firmware. I would also want to work with educators to think about how to use the display in a public context to inform about sustainable computing		In person	
Emile Aben	RIPE NCC	Data Scientist	see motivation, few ideas: * debunk greenwashing * agile compute workloads to help balance energy market congestion		In person Other	I should be able to attend in person
Emil Petersen	Fiberby ApS	Network Operator	Unfortunately not	I am a network engineer and software developer, so I can probably help in these areas. I maintain a colocation facility in my local hackerspace Labitat for embedded computers. We offer our members a way to experiment with internet, while keeping power usage low. Labicolo: <a href="https://labitat.dk/wiki/Labicolo">https://labitat.dk/wiki/Labicolo</a> Labitat Internet Exchange website: <a href="https://ix.labitat.dk/">https://ix.labitat.dk/</a> I also like to create art sometimes: <a href="https://pixel.hafnium.me/">https://pixel.hafnium.me/</a>	In person	
Desiree Miloshevic	DESCON - Internet Society Serbia Belgrade Chapter	Other	I would like to continue working on a concept "Minimum (Sustainable) Data Sets, set out at <a href="http://www.descon.me">www.descon.me</a> last September - that overlaps with the topic of data minimalism. Alternatively, the topic of Energy efficiency is exciting, as we can continue to explore working on a more energy sufficient upgrade to our current project <a href="https://klimerko.org">https://klimerko.org</a> and look into upgrading it to a solar power energy source.	2 topics -- Energy Efficiency -- Data Minimisation	In person	online
Denzell Yorah	Malawi SDNP	Other	For this hackathon, I am excited to work on an AI-powered waste sorting system aimed at improving recycling efficiency and reducing contamination. The concept is to leverage computer vision and machine learning algorithms to automatically identify and categorize recyclable materials such as plastics, metals, and paper within waste streams. This solution could be implemented in urban areas, industrial facilities, or even in households to streamline waste management and promote a circular economy. The system would not only improve sorting accuracy but could also provide real-time feedback to users, educating them on proper recycling practices. With waste contamination being a significant issue in recycling processes, an intelligent, automated system could make a big difference in boosting recycling rates and reducing landfill waste. This project is an idea I am passionate about and would love to develop further during the hackathon. I am not yet working on this project but have a relatively good background in AI, data analysis, and automation, which I would apply here. I would also love to collaborate with a colleague(s) who has expertise in hardware development and sensor integration to bring the solution to life. Together, we aim to create a practical, scalable solution that has a real-world impact on waste management and environmental sustainability.	Hello, fellow participants! I'm excited to be part of this hackathon and to connect with like-minded individuals passionate about technology and sustainability. Here's a little about me and my interests: I have a background in software development with a focus on AI, machine learning, and automation. My technical expertise lies in creating data-driven solutions and building intelligent systems that can solve real-world problems. I'm particularly interested in applying my skills to sustainability challenges, such as waste management, energy efficiency, and resource optimization. For this hackathon, I'm proposing an idea around AI-driven waste sorting and recycling optimization. The goal is to create a system that uses computer vision and machine learning to automatically identify and sort recyclable materials, improving recycling efficiency and reducing contamination. This project is still in the conceptual phase, and I'm excited to develop it further with others who may have experience in areas like hardware integration, IoT, sensor technologies, or recycling infrastructure. My previous project involved collaborating with a colleague to develop an automatic disinfectant dispensing system in response to the COVID-19 pandemic. I focused on the software side, including designing machine learning algorithms for the sensor system. This experience sharpened my skills in automation and hardware-software integration.	Online	
daniel bellomo	Las Lagunitas	Other		humanitarian and collaborative mapping, community networks, communications in remote zones, hamradio.	Online	
Cristina DeLisle	CJDNS	Software Developer	One personal project I have worked on before is DaddyDo, an app that aligns with the principles of the Feminist Internet. It is designed to help partners of pregnant individuals provide support and stay engaged throughout the ~40+ weeks of pregnancy. Built as a React Native app, the repository is available here: <a href="https://github.com/rechristian/DaddyDo">https://github.com/rechristian/DaddyDo</a> . I am considering further developing this idea during this hackathon by creating a desktop app inspired by the original concept. In my personal journey through motherhood, I noticed a significant gap in apps tailored for partners of pregnant individuals. While there are many apps designed for mothers, there are limited resources for their partners, who also play a vital role in the process. Additionally, the app is intended to support all pregnant individuals and their partners. Moving forward, I aim to expand the app to address different use cases and profiles, including members of the LGBTQ+ community. In any case, I'm available to work on whatever project, if this hackathon would like to form teams and someone needs me in their team to work on their project.		Online	
Cristian Sirbu	Reddit Networks	Other			Online Other	Dublin Local Hub
Cor Westra	Ty Myrddin	Other			In person	
Christina Papachristoudi	University of Crete	Student			Online Other	Local Hub Heraklion
Charlie Cheesman	Cheddar / Green Software Foundation	Software Developer	netzero.fyi - a database of every company's net zero commitments, categorised by industry and sourced via AI agents. This can then have an API built around it that can be used to integrate the data into user decision-making across different sites.		Online In person Other	London
Catalina Mueller	Visiting Lecturer Esslingen University of Applied Sciences & Hochschule Fresenius	Other		Hello everybody! I'm Catalina, in Berlin for the past 10 years, worked in academia, corporate and startups. Currently teaching product development and digital change at master level and freelancing UI/UX design. Connect: <a href="https://www.linkedin.com/in/catalina-mueller">https://www.linkedin.com/in/catalina-mueller</a>	Online	
BWANIKA ROBERT	ISAZEN IT SOLUTIONS	Software Developer			In person	
Brian Sutherland	University of Toronto	Researcher	I mostly build solar batteryless devices which rely on ambient energy for their operation and use hybrid supercapacitors for electricity storage. Unlike batteries, hybrid supercapacitors recharge 1,000,000 so they never need to be removed from electronics. 15 billion batteries are discarded every year in the world, wouldn't it be great if more electronics devices worked in this sustainable consumption fashion. Electronics is traditionally a fast cycling industry where the rise in e-waste generation is...outpacing the rise in formal recycling by a factor of almost 5* (Baldé et. al. 2024). Consumer electronics need to be redesigned so people want to keep and upcycle them. Baldé, C. P., et. al. (2024). THE GLOBAL E WASTE MONITOR 2024. United Nations Institute for Training and Research. <a href="https://web.archive.org/web/20240914104157/https://ewastemonitor.info/wp-content/uploads/2024/03/GEM_2024_18-03_web_page_per_page_web.pdf">https://web.archive.org/web/20240914104157/https://ewastemonitor.info/wp-content/uploads/2024/03/GEM_2024_18-03_web_page_per_page_web.pdf</a>		Online	I am giving a talk on one of the days, so may have to scoot out for an hour or so depending on if the time conflicts.

... Name	Your Organisation / Affiliation	Primary Occupatic	Propose a project (Optional)	Information to share with other participants (Optional)	Presence	Other
bibi van alphen	freedom internet bv	Other	We are following closely the work of NCDD (national coalition sustainable digitalisation), ECP (platform info samenleving NL) and working groups on sustainability in our sector/industry associations. We are part of a research group by Critical Infra Lab re the impact of datacenters on our environment. We were interviewed by TU Delft with regards to IT and the environment. We were interviewed by SSIA. We are frequent visitors of Privacy Camp by EDRI where there is more focus now on sustainability. And we were part of the Tech and Society Summit by EDRI recently. We are still figuring out what is our role. We think we have a convenient position, as a company (SME) therefore part of the industry, but we are mission driven and have a civil society approach. There is no time to become a sustainability expert because of all the other files we are involved in. But if we are fed with the right and up to date info, we can use this info whenever our lobby group or industry association etc is asking for our input f.e. for white papers etc. For a logical broader holistic story/narrative it also makes sense to be well informed. F.e. when we discuss AI, EU competitiveness, data protection, etc. I can use help here! And the other way around: I can be "used" for pushing for a certain narrative :) Therefore just being part of this event will already be very helpful!	See above. Unless this will be published online. I would rather discuss in person/per mail with let's say trusted parties.	In person	
Bendjedid Rachad Sanoussi	Euromed University of Fes (UEMF)	Researcher	I would love to work on a project related to measuring and reducing the energy consumption of network operations, especially with a focus on developing actionable frameworks for carbon-aware routing. We could significantly reduce the carbon footprint of internet traffic by utilizing AI to optimize routing paths based on carbon intensity data. This could be a great opportunity to extend my research in sustainable AI towards more practical, industry-focused outcomes. I'm open to collaborating with others who share similar interests or are working on complementary ideas.	For me, digital technologies should contribute more to a more sustainable future. They have a key role in the development of our nations. Whether it is engineering human progress, revolutionizing agriculture, or reversing the negative trends of climate change, digital technologies are there. In 2021, I coordinated the working group on universal access and meaningful connectivity as part of the project Youth Summit. I, then, at the 16th Internet Governance Forum, presented actionable points at the IGF Global Youth Summit <a href="https://ygf.nask.pl/ftp/igf_youth/IGF_points_of_action.pdf">https://ygf.nask.pl/ftp/igf_youth/IGF_points_of_action.pdf</a> . Companies should adopt repurposing, refurbishing, recycling, and open systems in line with the principles of the circular economy. At IGF 2022, I had an interview with Dr. Axel Klaphake, the GIZ Director, Economic and Social Development, Digitalisation to share my view on how to build an inclusive digital transformation <a href="https://youtu.be/TS6b9FC9k6U?si=ET7J8x4Jc054V3k">https://youtu.be/TS6b9FC9k6U?si=ET7J8x4Jc054V3k</a> . As part of the Youth4DigitalSustainability project, I have collaborated with several global internet players to tackle the internet's ecological footprint to mitigate the climate crisis. Find the report here <a href="https://qi.de/fileadmin/GU/Allgemein/PDF/Youth4DigitalSustainability_Recommendations.pdf">https://qi.de/fileadmin/GU/Allgemein/PDF/Youth4DigitalSustainability_Recommendations.pdf</a> .	In person	
Bekir Gülmez	zaza	Student	sosyal		Online In person Other	
Atique U Rehman	Quaid-e-Awam University of Engineering Science and Technology Pakistan	Student	Project Proposal: Exploring the Potential of Osemosys for Sustainable Energy Transition in the Netherlands. As an expert in energy modeling software, I am excited to propose a project that influences the capabilities of Osemosys to support the sustainable energy transition in the Netherlands. Osemosys is a widely used energy system modeling tool that allows for the simulation of complex energy systems and the evaluation of different policy scenarios. For this hackathon, I propose to work on one of the following projects that utilize Osemosys: Net-Zero Emissions Pathway for the Netherlands: This project aims to develop a comprehensive energy system model for the Netherlands using Osemosys, to identify the most cost-effective pathway to achieving net-zero emissions by 2050. Optimizing Renewable Energy Integration in the Dutch Grid: This project focuses on using Osemosys to evaluate the impact of different renewable energy sources (e.g., wind, solar, biomass) on the Dutch grid, to identify the optimal mix of renewable energy sources to ensure a stable and reliable energy supply. Assessing the Role of Energy Storage in the Dutch Energy Transition: This project explores the potential of energy storage technologies (e.g., batteries, hydrogen storage) in supporting the integration of renewable energy sources in the Dutch grid, using Osemosys to evaluate the technical and economic feasibility of different energy storage solutions.	Hi fellow participants! I'm an energy modeling expert currently working on projects utilizing Osemosys, and LEAP, including: Net-Zero Emissions Pathway for Pakistan Optimizing Renewable Energy Integration in the National Grid Assessing the Role of Energy Storage in Energy Transition Developing a Sustainable Transportation System for Pakistan. I'm looking for team members who share my passion for sustainable energy transition and are interested in collaborating to develop innovative solutions. Let's work together to create impactful projects!	Online In person	
Asbjørn Sloth Tønnesen	Fiberby ApS	Network Operator			In person	
Anc̄ UNAL	Xeront	Software Developer			In person	
Anthony Akpan	Pan African Vision for the Environment(PAVE)	Other	We are very interested in participating and promoting the GreenTech Hackathon in Nigeria and Africa.	We are very interested in participating and promoting the GreenTech Hackathon in Nigeria and Africa.	In person	
Andy Byrne	HEAnet CLG	Network Operator			Online	Attending from HEAnet 'Hub' in Dublin
Alper Kamil Demir	Adana Alparslan Turkes Science and Technology University	Researcher	The high-level project topics are fine with me. Based on our vision, I can provide low-level, more focused project topics based on my expertise in the future if needed.	For my public publications, you may check <a href="https://scholar.google.com/citations?user=cYDDQ4AAAAJ">https://scholar.google.com/citations?user=cYDDQ4AAAAJ</a> I do not have a public code repository. Based on my expertise, network and computing-related project topics might be of my main interest. However, I am welcome to contribute to any topic based on your needs and requirements.	Online	
Alex Semenyaka	RIPE NCC	Other			Online	
Agnieszka Uchacz	RIPE NCC	Researcher			In person	
Adeoye Ayanfe Malumi	Inter Trade Limited	Researcher	Here's a draft response for your hackathon application regarding your project idea: For this hackathon, I am particularly passionate about working on a project aimed at developing an AI-powered tool to predict and mitigate the impact of natural disasters. This idea is still in the conceptual phase, but I am eager to explore its potential. The project involves creating a machine learning model that can analyze environmental data, such as seismic activity and weather patterns, to predict the likelihood of natural disasters like earthquakes and floods. The goal is to provide early warnings and actionable insights that can help communities prepare and reduce damage. The core components of the project would include: Data Collection: Gathering historical and real-time data from various sources, including satellite imagery and seismic sensors. Model Development: Using machine learning algorithms to identify patterns and predict potential disaster events. Visualization: Developing a user-friendly interface to present predictions and recommendations in an accessible format. Although the project is still in its idea phase, I believe it has significant potential to make a positive impact in disaster management and environmental sustainability. I am currently the sole contributor to this idea, but I am open to collaborating with others who have complementary skills in data science, software development, or environmental science. I look forward to discussing this idea further at the hackathon and exploring how we can turn this vision into a reality.	I am thrilled to join this hackathon and collaborate on innovative green technology solutions. My primary interest is in developing an AI-powered tool to predict and manage natural disasters, specifically focusing on utilizing machine learning to analyze environmental data such as seismic activity and weather patterns. Motivation: I am deeply motivated by the challenge of addressing environmental issues through technology. My goal is to create a tool that can provide early warnings for natural disasters, helping communities to prepare and minimize damage. This aligns with my passion for combining data science and environmental science to make a meaningful impact. Relevant Projects: Environmental Data Analysis: I completed a self-led project where I gathered and analyzed environmental data from NASA to draw insights about environmental conditions in my country. This project helped me develop a strong understanding of data collection and analysis. Project Repository ( <a href="https://oye-bobs.github.io/">https://oye-bobs.github.io/</a> ) Skills and Tools: I have hands-on experience with Python, SQL, and various data science tools. I am also currently enrolled in a seismology skill-building workshop, which is expanding my knowledge of earthquake data analysis. Interests: I am particularly interested in collaborating with others who have skills in data science, software development, or environmental science. I am also eager to learn from and share ideas with fellow participants who are passionate about green technology and sustainability. Team Status: As of now, I am not part of a team, but I am enthusiastic about joining forces with others who share similar interests and goals. I am open to collaborating on the AI-powered disaster prediction tool or exploring other innovative green tech projects. I am excited about the opportunity to work together, share knowledge, and contribute to impactful solutions. Looking forward to connecting with you all at the hackathon!	In person	