



*“Unstoppable #solarpunk-technologies
against the dystopia of absolute control”*

...

RootedCON

2025 by psy (03c8.net)

...

#FreePalestine #FreeSudan #FreeCongo
#7291 #LaLigaPirata

#HackTheSystem

Dystopia: *is an imaginary place or state in which the condition of life is extremely bad, as from deprivation, oppression, or terror.*

Solarpunk: *is a social movement that envisions collective futures that are vibrant with life, as well as all the actions, policies, and technologies that make them real inspiring a future society that is just and in harmony with its ecology.*



.:SOLARNET.HUB:.

[HTTPS://SOLARNETHUB.COM](https://solarhub.com)

YOUR DATA, OUR FUTURE

.:SNH:. “*Digital Survival KIT*”



(FΞDΞC)

Fórmula de Estrategia Distribuida para la Emancipación Colectiva

$$\begin{aligned}\Xi(s) &= \sum_{n=1}^{\infty} \frac{(\Psi_{\text{COG-BEH}}(n) + \Phi_{\text{D-MINING}}(n)) \cdot \Theta_{\text{D-RESEARCH}}(n) \cdot \Omega_{\text{HUMAN-ISSUES}}(n) \cdot \Lambda_{\text{CLASS-STRUGGLE}}(n)}{\zeta_{\text{EMPOWER}}(n)} \\ &+ \oint_c \frac{Y_{\text{OASIS}}(z) \cdot D_{\text{DISTRIBUTED}} \cdot F_{\text{FEDERATION}} \cdot E_{\text{ENCRYPTION}} \cdot M_{\text{MESH}} \cdot O_{\text{OFFLINE}} \cdot B_{\text{BLOCKCHAIN}} \cdot T_{\text{TRUSTNET}} \cdot L_{\text{L.A.R.P.}}}{(e^{2\pi iz})^a} \\ &+ \sum_{p \in P} \frac{\Pi_{\text{ECOIN}}(p) \cdot B_{\text{BLOCKCHAIN}} \cdot M_{\text{MINING-ECO}} \cdot T_{\text{PoW+PoS+PoT}} \cdot S_{\text{SUSTAINABILITY}} \cdot I_{\text{INCOME-SHARE}}(p)}{\delta_{\text{INFLATION}}(p)} \\ &+ \int_{\mathbb{R}^3} (\Gamma_{\text{SNH}}(x, y, z) \cdot M_{\text{3D-MODEL}} \cdot H_{\text{LOW-COST}} \cdot B_{\text{BATTERY}} \cdot S_{\text{SOLAR}} \cdot Y_{\text{YOCTO}} \cdot D_{\text{DEBIAN}} \cdot P_{\text{PRIVACY}} \cdot X_{\text{PARANOIA}} \cdot W_{\text{CYBERSEC-WISDOM}}) \, dx \, dy \, dz \\ &+ \lim_{q \rightarrow \infty} \sum_{k=1}^q \int_H \text{Tr}(\rho \cdot H) \, d\mu_{\text{EQUANTUM}}(k) \cdot B_{\text{TOPOLOGY}}(k) \cdot \Omega_{\text{OPEN-SOURCE-IA}}(k) \\ &= \lim_{t \rightarrow \infty} \frac{\sum_{k=1}^t \Sigma_{\text{STRATEGY}}(k) \cdot A_{\text{ARCHITECTURE}} \cdot E_{\text{ENCRYPTION}} \cdot H_{\text{HACKTIVISM}} \cdot R_{\text{RESILIENCE}} \cdot I_{\text{GEN-AI}} \cdot E_{\text{HUMAN-EMANCIPATION}}(z)}{\epsilon_{\text{HUMAN-FREEDOM}}}\end{aligned}$$

**Formula 1: Cognitive Psychology, Free Research, Data, Class Struggle
Issues, Learned Helplessness**

$$\Xi(s) = \sum_{n=1}^{\infty} \frac{(\Psi_{\text{COG-BEH}}(n) + \Phi_{\text{D-MINING}}(n)) \cdot \Theta_{\text{D-RESEARCH}}(n) \cdot \Omega_{\text{HUMAN-ISSUES}}(n) \cdot \Lambda_{\text{CLASS-STRUGGLE}}(n) \cdot \Psi_{\text{LEARNED-HELPLESSNESS}}(n)}{\zeta_{\text{EMPOWER}}(n)}$$

<https://wiki.solarnethub.com/docs/research>

Internet in terms of ...

- CO2 footprint
- Video streaming footprint
- Mineral extraction
 - Lithium
 - Coltan
 - Cobalt
 - Rare Earths
- E-waste
- Poverty
- Semiconductors
- Submarine cables
- Sovereignty
- Social networks centralization
- Corporations abuses on users
- Addictions
- Data traffic
- Growth perspectives
- Manipulation
- Spionage
- Present Privacy
- Future Crimes
- Algorithm Bias
- [...]

<https://wiki.solarnethub.com/docs/research>

- **Co2 footprint:** Every minute 38 million WhatsApp messages are sent, 266,000 hours of Netflix and 4.3 million videos on YouTube are viewed, and 3.7 million searches are carried out on Google, according to the data analytics company Cumulus Media.

Uploading your daily post to Instagram, storing files in the cloud or having your email inbox full, generates an ecological footprint that demands 7% of the world's energy.

If the Internet were a country, it would be the sixth most polluting in the world according to data from the Greenpeace organization.

Soon, the number of global CO2 emissions from this frenzied digital traffic will grow exponentially due to the greater access of the world's population to new technologies and the increasingly large data centers.

<https://wiki.solarnethub.com/docs/research>

- **Video streaming:** Just one hour of videoconferencing or streaming, emits 150-1,000 grams of carbon dioxide (a gallon of gasoline burned from a car emits about 8,887 grams), requires 2-12 liters of water and demands a land area adding up to about the size of an iPad Mini.

But leaving your camera off during a web call can reduce these footprints by 96%.

Streaming content in standard definition rather than in high definition while using apps such as Netflix or Hulu also could bring an 86% reduction.

<https://wiki.solarnethub.com/docs/research>

- **Poverty:** World Data Lab (WDL) has developed a global measurement framework of internet poverty to measure the number of people left behind in the internet revolution. People who can't afford a basic package of connectivity -set at 1.5 gigabytes (GB) per month at a minimum download speed of 3 megabits per second (Mbps) (equivalent to 6 seconds to load a standard web page)-are internet-poor.

The cost of the average mobile internet package is \$0.50 per day.

However, quality varies across countries. This is in line with recent World Bank estimates for West Africa where only around 20-25 percent of the population can afford mobile internet.

Based on this definition, World Data Lab estimates that there are around 1.1 billion people living in internet poverty today.

<https://wiki.solarnethub.com/socialnet/ecosystem>

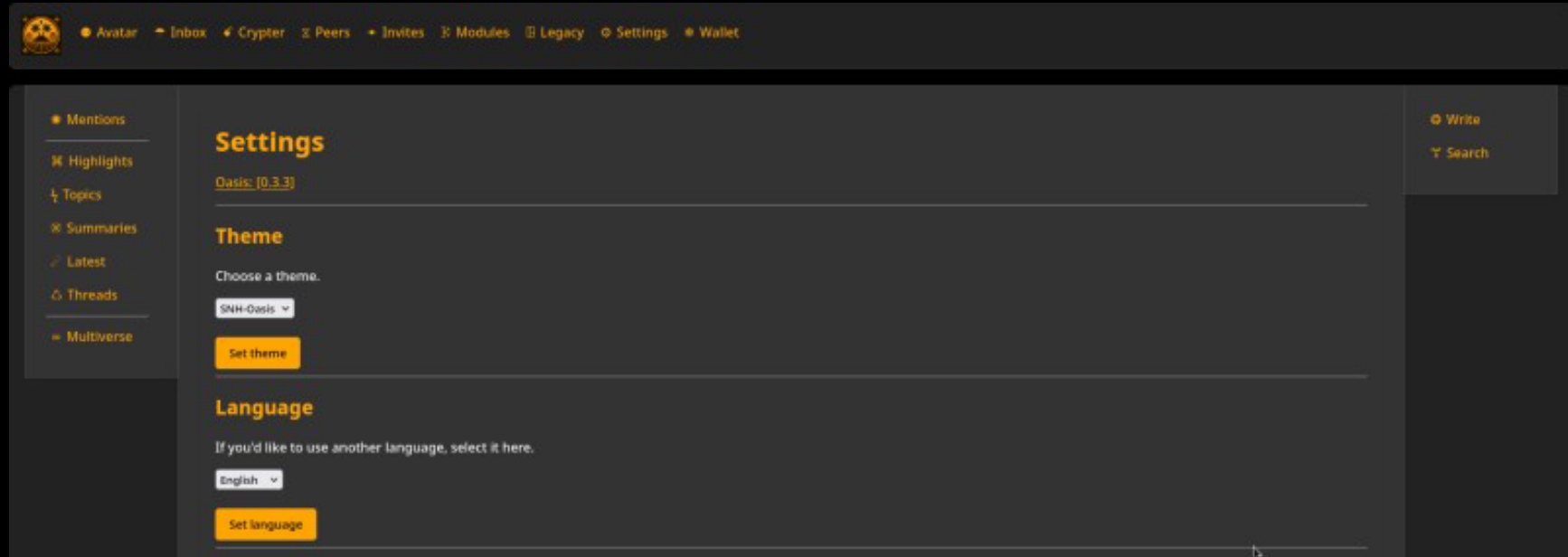
- **Sovereignty:** The most popular social networking sites today [2022] are created, maintained and managed (although mostly paying taxes in other countries), from headquarters in only two territories in the world:
 - **United States of America** [California (Facebook, YouTube, WhatsApp, Microsoft Messenger, Instagram)].
 - **China** [Shenzhen (WeChat, QQ, QZone), Beijing (TikTok) and Shanghai (Sina Weibo)].
- REMEMBER: The “cloud” are third-party computers...
- QUESTION: AI vs Cloud in terms of lost jobs?...

Formula 2: Oasis and its federated, encrypted, distributed mesh network

$$+ \oint_C \frac{Y_{\text{OASIS}}(z) \cdot D_{\text{DISTRIBUTED}} \cdot F_{\text{FEDERATION}} \cdot E_{\text{ENCRYPTION}} \cdot M_{\text{MESH}} \cdot O_{\text{OFFLINE}} \cdot B_{\text{BLOCKCHAIN}} \cdot T_{\text{TRUSTNET}} \cdot L_{\text{L.A.R.P.}}}{(e^{2\pi iz})^a}$$

<https://wiki.solarnethub.com/socialnet/overview>

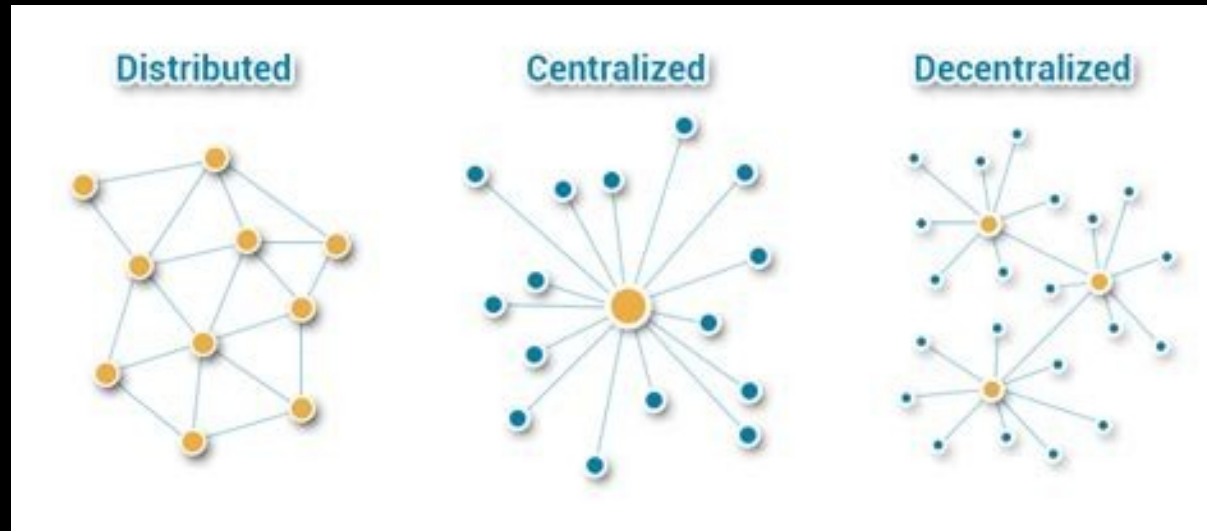
SolarNET.HuB (SNH) includes a: free software, encrypted, peer-to-peer, invite-only, offline-meshnet, censorship-resistant, distributed & federated... social networking project called: **Oasis**.



<https://wiki.solarnethub.com/socialnet/overview>

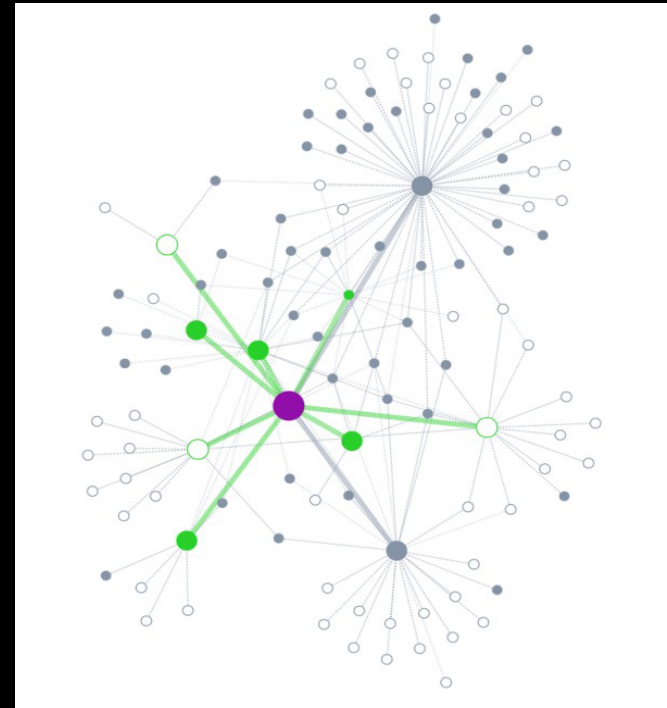
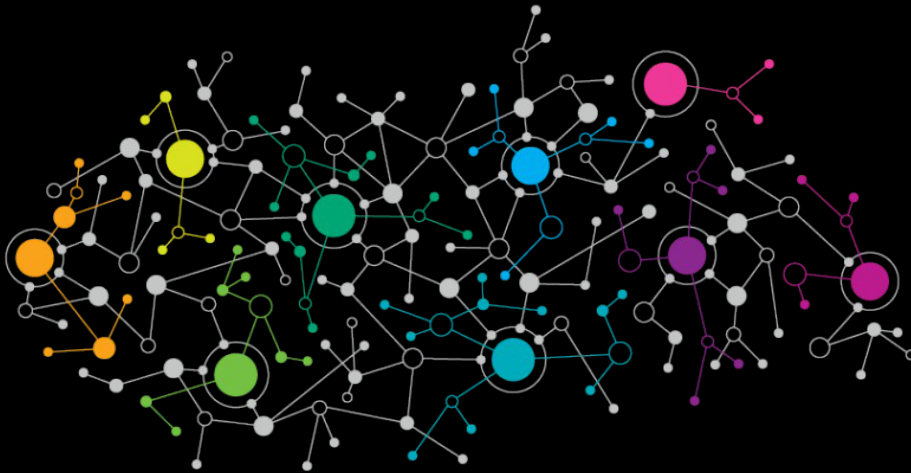
¿Distributed, Centralized or Decentralized?

QUIZ: Facebook, Instagram, Mastodom, X, BlueSky, TikTok, GNUSocial, Twitch, Discord, Threads, Whatsapp, Diaspora, IRC, Telegram, WeChat, Linkedin, QQ, Reddit, FreeNET...



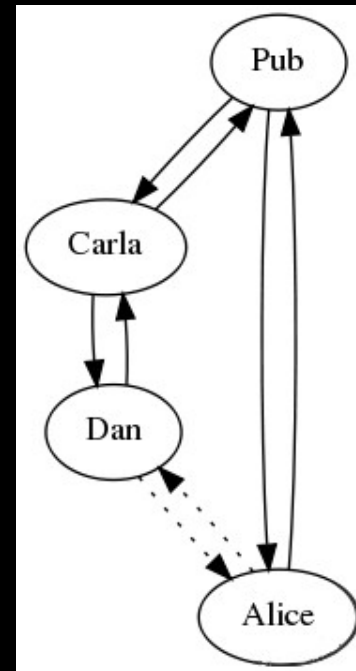
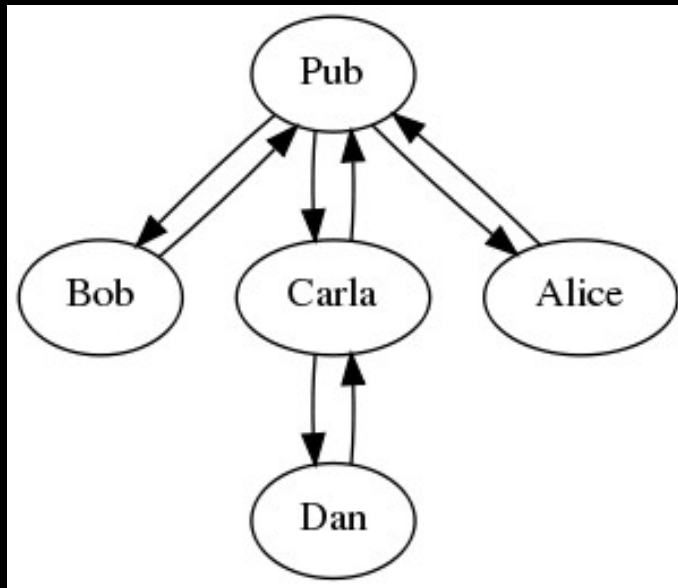
<https://en.wikipedia.org/wiki/Kademlia>

OASIS: Uses a P2P-hybrid (offline-meshnet) (**epidemic protocol**) arch based on **KADEMLIA**. (ex: aMULE, bitTorrent)



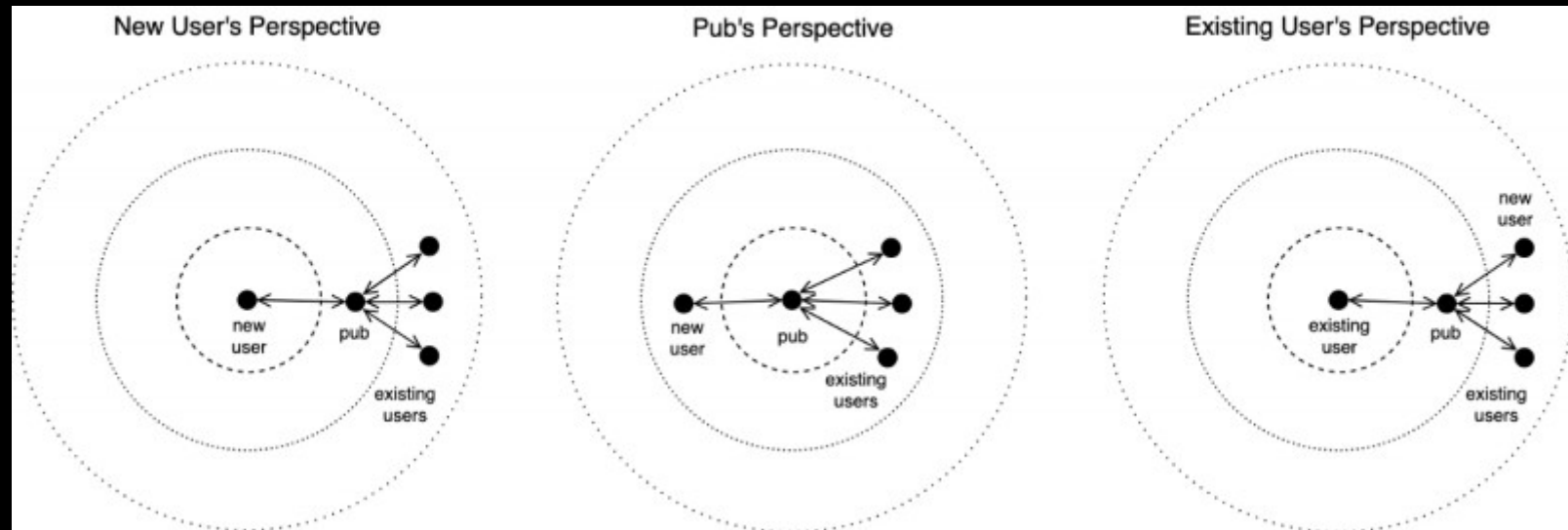
https://en.wikipedia.org/wiki/Gossip_protocol

A **gossip protocol** (or epidemic protocol) is a procedure or process of computer **peer-to-peer** communication that is based on the way epidemics spread.



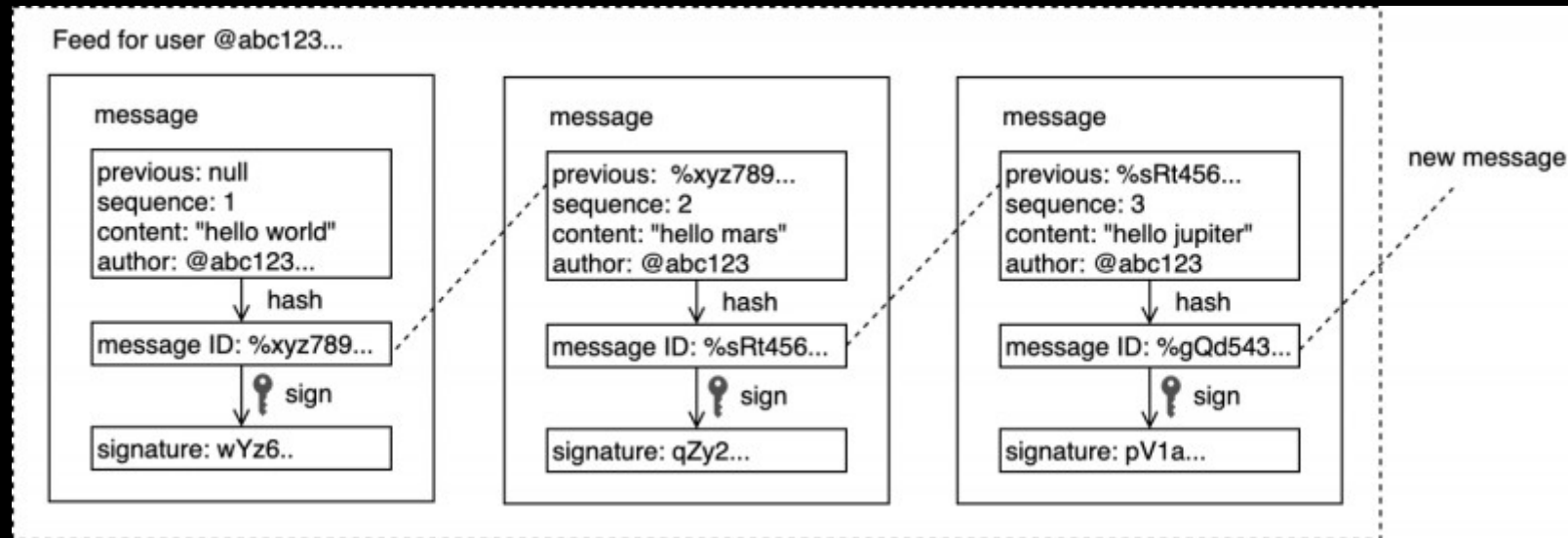
https://en.wikipedia.org/wiki/Secure_Scuttlebutt

SSB uses a blockchain like append-only data structure and a **P2P network**. Like a crypto transaction, posts are censorship-resistant and are replicated to the entire network.



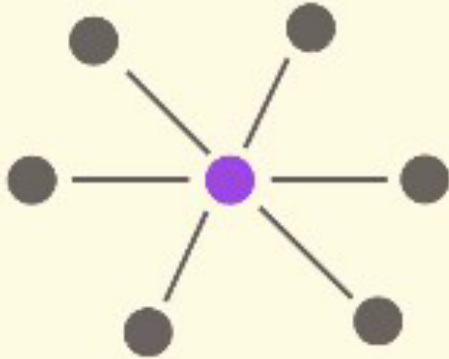
<https://wiki.solarnethub.com/socialnet/engineering>

Oasis uses a database of immutable append-only feeds, which allows resilient replication over the Internet, local area networks, and sneakernets. Messages are hashed with **SHA256** and verified with an **Ed25519 signature**; this makes it impossible to forge a message without the private key of the author.



<https://wiki.solarnethub.com/socialnet/engineering>

Your Friends



https://wiki.solarnethub.com/socialnet/snh-pub

Oasis is federated with other PUBs of the Multiverse.

Invites

Use the PUB's invite codes here.

solarnethub.com:8008:@1w



Accept invite

Federated Networks (256)

- PUB: solarnethub.com
Inhabitants: 135
[@1wOEiCjJJ0nEs1OABUIV20valZ1LHUsfHJY/ivBoM8Y=.ed25519](#)
- PUB: pub.freesocial.co
Inhabitants: 95
[@ofYKOy2p9wsaxV73GqgOyh6C6nRGFM5FyciQyxwBd6A=.ed25519](#)

• Mentions

• Latest

• Summaries

• Themes

• **Multiverse**

• Highlights

• Threads

Multiverse

When you support someone you may download posts from the inhabitants they support, and those posts show up here, sorted by recency.

 **Teq** commented on [thread](#)

3m

Thanks for organising! I won't be able to make either due to other commitments, but I'm keen to see & hear about what emerges during these workshops ✨

0

Comment

Subtopic

JSON

• Write

• Search

• Inbox

• Avatar

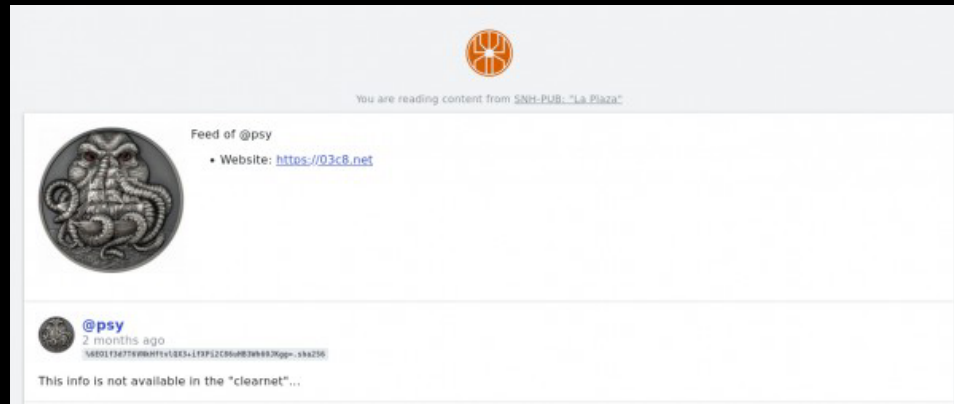
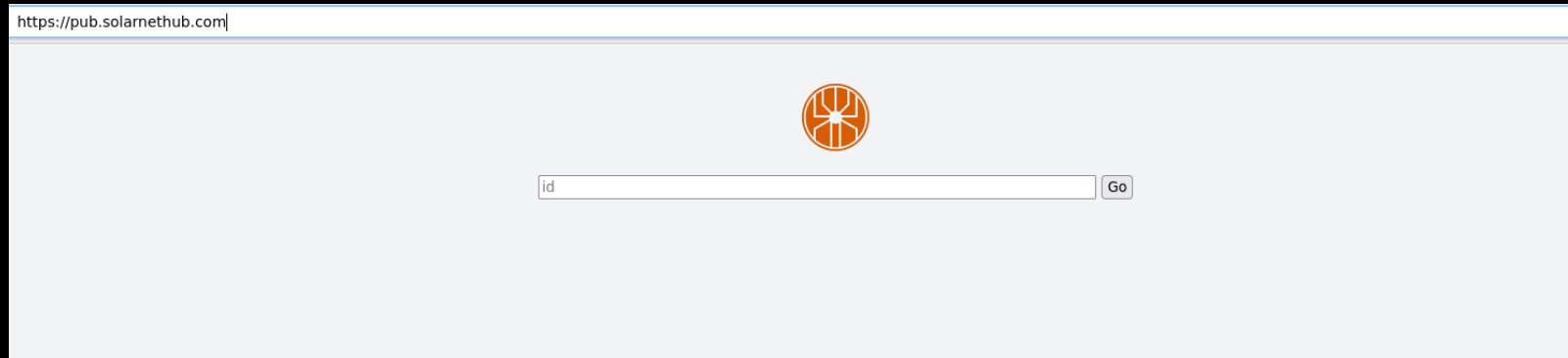
• Invites

• Peers

• Settings

https://wiki.solarnethub.com/socialnet/snh-pub

The public content of the PUB: “La Plaza” can be visited from outside the project network, through the **World Wide Web (aka Clearnet)**.



<https://laplaza.solarnethub.com/>

Oasis is currently running in TESTNET. We plan to jump to MAINNET in the next spring solstice.

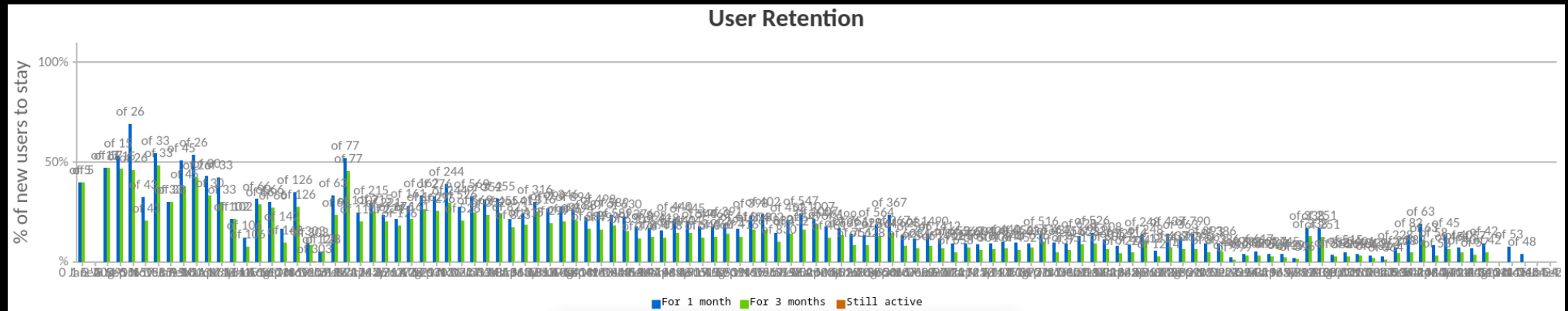
Active Today: 21

Active Last Week: 63

Active Last Month: 154

Active All Time: 46900

This graph tells, for each month, how long inhabitants have stayed active.



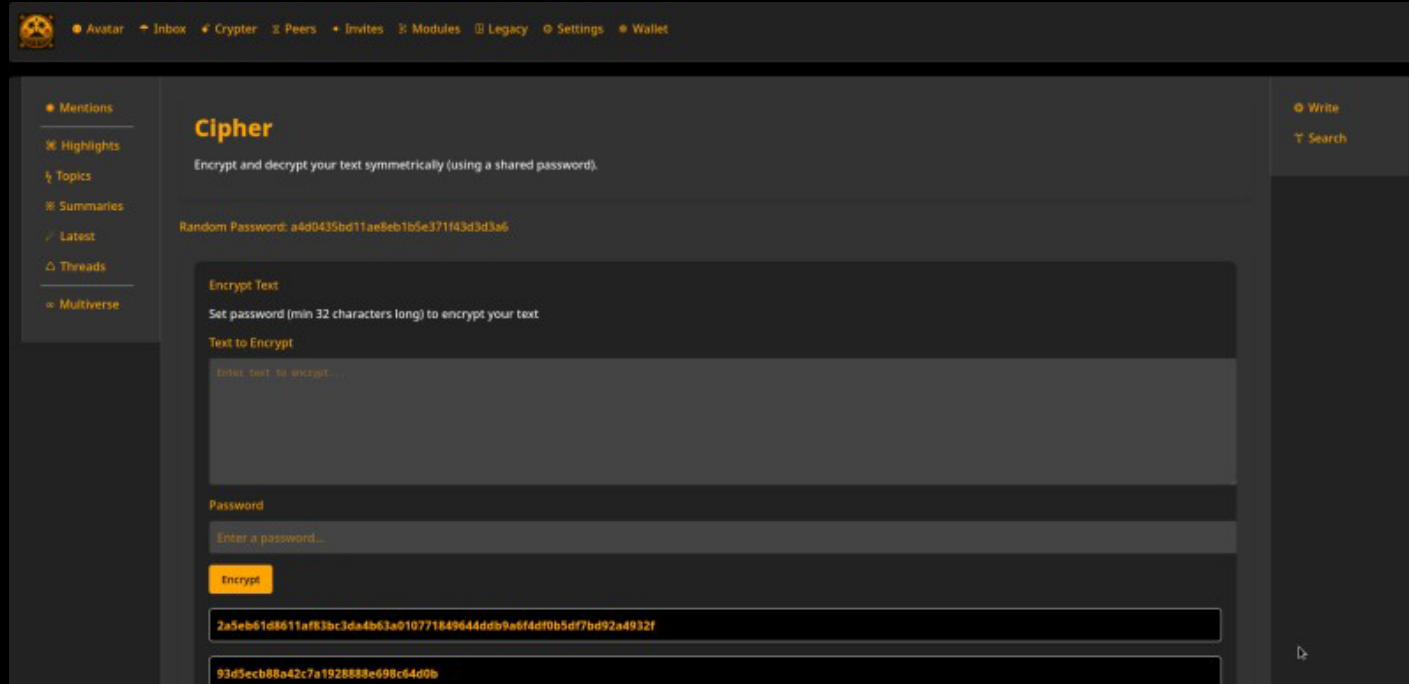
<https://code.03c8.net/krakenslab/oasis>

Oasis (Main features):

- No browser JavaScript. Just **pure HTML+CSS**. A really secure frontend!.
- Use your favorite web browser to read and write messages.
- **Strong cryptography** in every single point of the network.
- Online or offline, **it works anywhere** that you are.
- Initial identities are randomly generated (**no username or password required**).
- **No personal profile** generated (no questions about gender, age, location, etc ...).
- **Automatic exif stripping** (such as GPS coordinates) on images for better privacy.
- **No email or associated mobile phone required**.
- Support for **multiple languages**.
- **Automatic updates** with new functionalities.
- [...]
- **No sys-admins or moderators!**

<https://code.03c8.net/krakenslab/oasis>

Oasis (GUI / v.0.3.3): is **modular**, supports **multi-language** (ex: EN, ES, FR) and includes, for example: a **client-side encryption [aes-256-cbc] module** for the semantic-content layer.



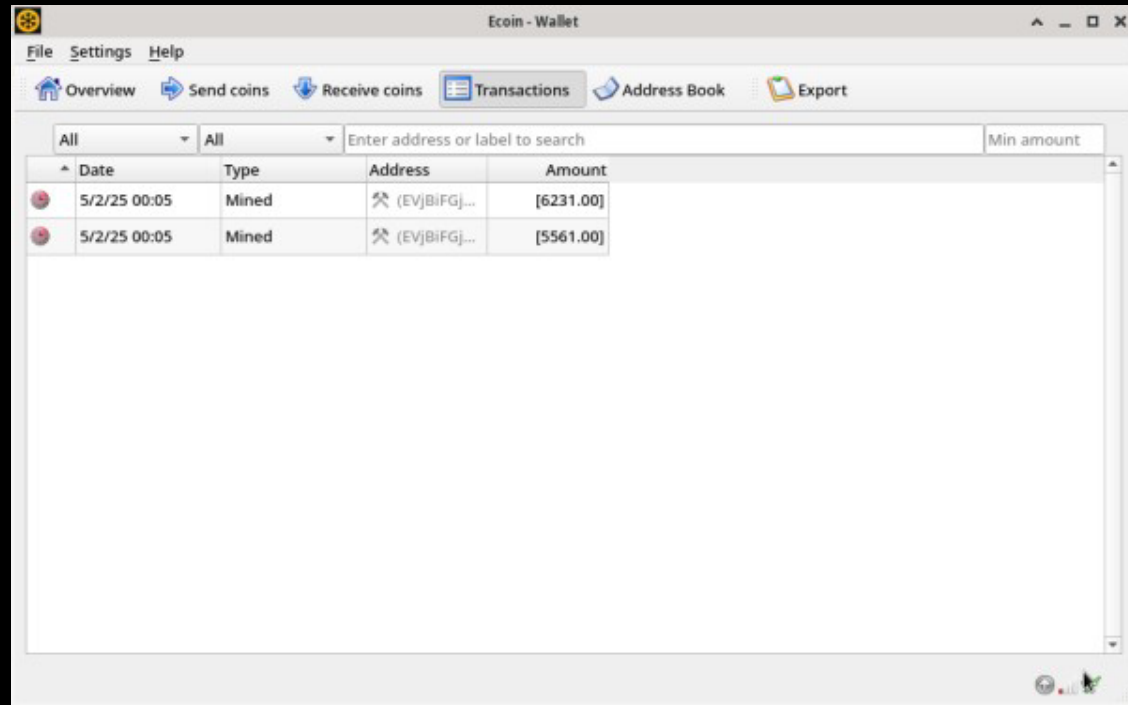
The screenshot displays the Oasis GUI interface. At the top, a navigation bar includes a logo and links for Avatar, Inbox, Crypter, Peers, Invites, Modules, Legacy, Settings, and Wallet. A left sidebar contains navigation options: Mentions, Highlights, Topics, Summaries, Latest, Threads, and Multiverse. The main content area is titled 'Cipher' and features the instruction 'Encrypt and decrypt your text symmetrically (using a shared password)'. It displays a 'Random Password: a4d0435bd11ae8eb1b5e371f43d3d3a6'. Below this, there is a section for 'Encrypt Text' with a prompt 'Set password (min 32 characters long) to encrypt your text'. A 'Text to Encrypt' input field contains the placeholder 'Enter text to encrypt...'. A 'Password' input field contains the placeholder 'Enter a password...'. An 'Encrypt' button is positioned below the password field. The output of the encryption is shown in two text boxes: the first contains the hexadecimal string '2a5eb61d8611af83bc3da4b63a010771849644ddb9a6f4df0b5df7bd92a4932f' and the second contains '93d5ecb88a42c7a192888e698c64d0b'.

**Formula 3: Crypt ECOIN, Universal Basic Income, Intervened Market,
and Ecological Mining**

$$+ \sum_{p \in P} \frac{\Pi_{\text{ECOIN}}(p) \cdot B_{\text{BLOCKCHAIN}} \cdot M_{\text{MINING-ECO}} \cdot T_{\text{PoW+PoS+PoT}} \cdot S_{\text{SUSTAINABILITY}} \cdot I_{\text{INCOME-SHARE}}(p)}{\delta_{\text{INFLATION}}(p)}$$

<https://ecoin.03c8.net>

SolarNET.HuB (SNH) includes a: complex crypto economy system based on Bitcoin, with the aim of obtaining an autonomous individual/collective self-economic emancipation called: **ECOin**.



<https://wiki.solarnethub.com/ecoin/overview>

Its main difference with other cryptocurrencies: 3 different mining systems:

- **Proof-Of-Work (PoW)** Halving every 262,800 blocks.
- **Proof-Of-Stake (PoS)**: Variable interest based on coin age.
- **Proof-Of-Transaction (PoT)**: Mining by matching address segment to block hash.

CPU #4: 11.65 kH/s

CPU #5: 12.36 kH/s

CPU #11: 11.03 kH/s

CPU #10: 10.33 kH/s

CPU #9: 10.69 kH/s

CPU #8: 11.00 kH/s

CPU #7: 11.16 kH/s

CPU #6: 11.87 kH/s

accepted: 1/2 (diff 0.000), 147.20 kH/s **yes!**

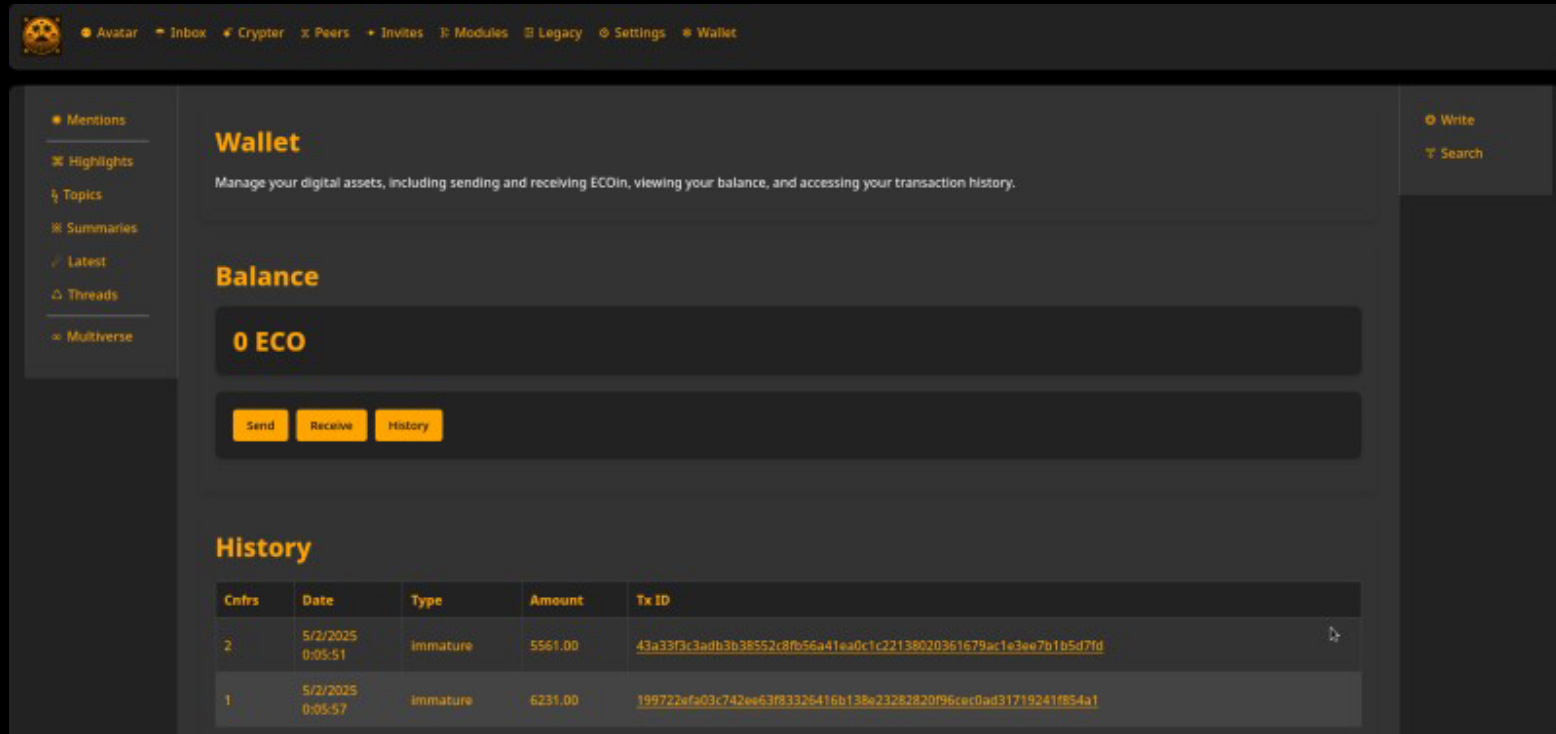
<https://wiki.solarnethub.com/ecoin/overview>

You can generate your own coins (ECO) for example, by using solar energy.



<https://wiki.solarnethub.com/ecoin/overview>

ECOin is implemented in the project network (Oasis) so you can send, receive and review the history of your assets from different places.



The screenshot displays the ECOin wallet interface. At the top, a navigation bar includes links for Avatar, Inbox, Crypter, Peers, Invites, Modules, Legacy, Settings, and Wallet. The main content area is divided into three sections: Mentions, Highlights, Topics, Summaries, Latest, Threads, and Multiverse. The 'Wallet' section is active, showing a balance of 0 ECO and buttons for Send, Receive, and History. Below this, the 'History' section displays a table of transactions.

Cntrs	Date	Type	Amount	Tx ID
2	5/2/2025 0:05:51	immature	5561.00	43a33f3c3adb3b38552c8fb56a41ea0c1c22138020361679ac1e3ee7b1b5d7fd
1	5/2/2025 0:05:57	immature	6231.00	199722efa03c742ee63f83326416b138e23282820f96cer0ad31719241f854a1

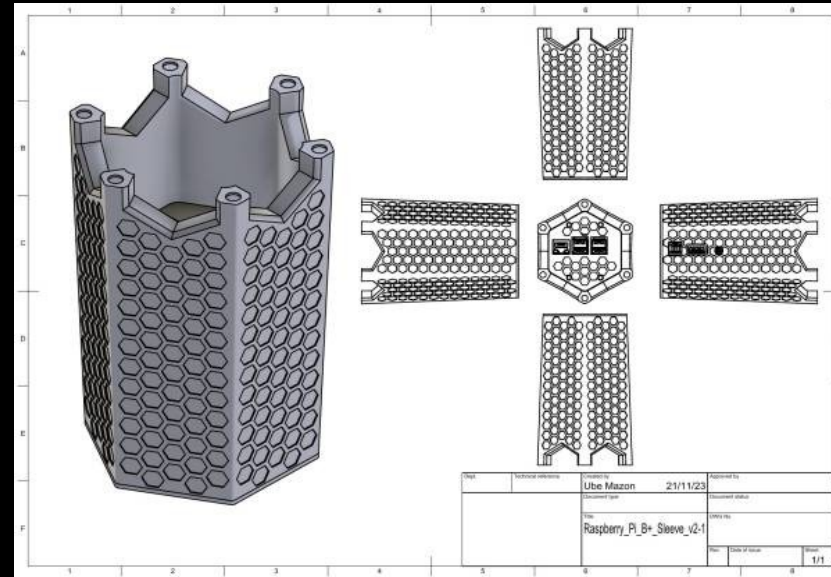
Formula 4: Digital Survival Kit and Deep Hacking (SNH)

$$+ \int_{\mathbb{R}^3} (\Gamma_{\text{SNH}}(x,y,z) \cdot M_{\text{3D-MODEL}} \cdot H_{\text{LOW-COST}} \cdot B_{\text{BATTERY}} \cdot S_{\text{SOLAR}} \cdot Y_{\text{YOCTO}} \cdot D_{\text{DEBIAN}} \cdot P_{\text{PRIVACY}} \cdot X_{\text{PARANOIA}} \cdot W_{\text{CYBERSEC-WISDOM}}) \, dx \, dy \, dz$$

<https://wiki.solarnethub.com/kit/case>

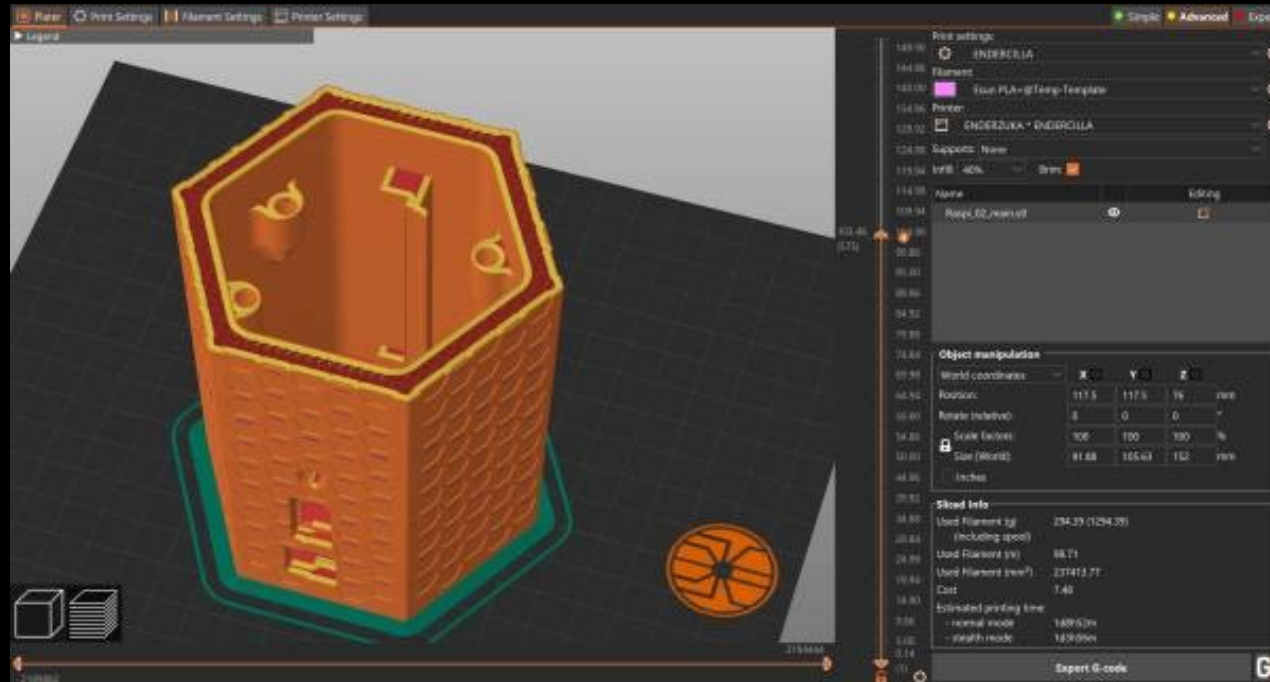
We opted for a fast prototyping and **3D printing** for product development process:

- Recycled material
- Easy to print
- Low warping
- Long-term sustainability
- Educational value
- Innovation and digital heritage preservation
- Improved design iteration
- Reduced costs
- Increased customization
- Enhanced communication
- Improved product quality
- On-demand manufacturing
- Environmental benefits
- Increased accessibility

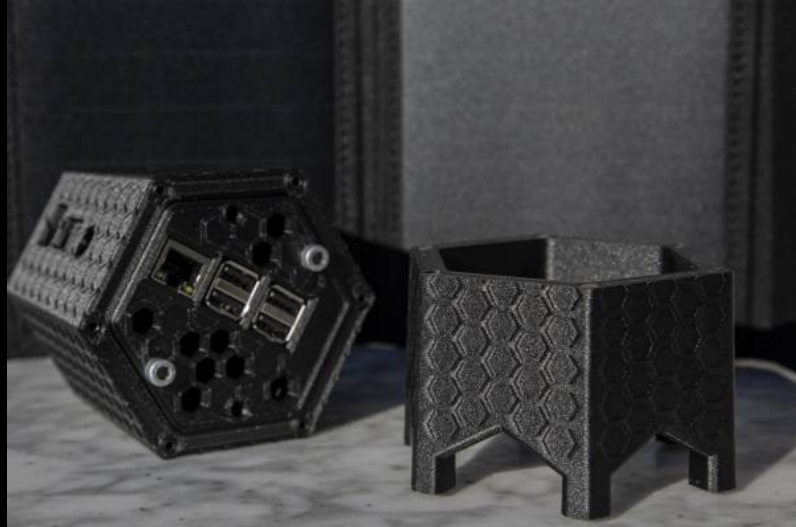
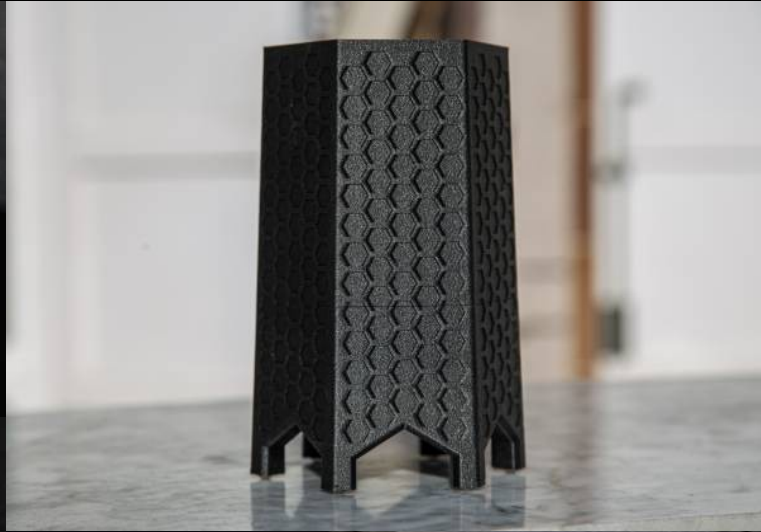
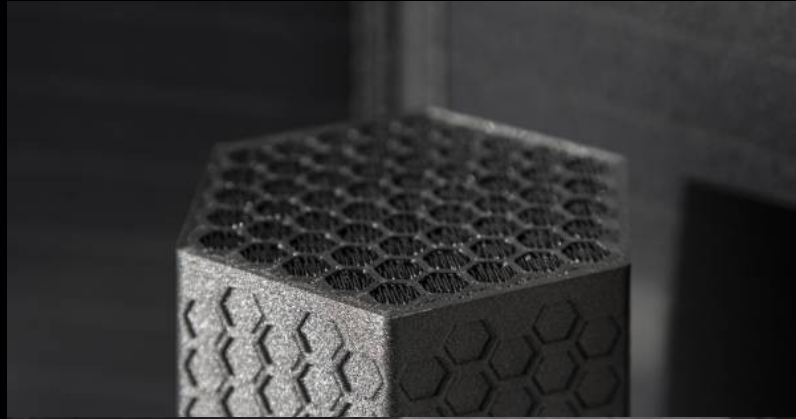


<https://wiki.solarnethub.com/kit/case>

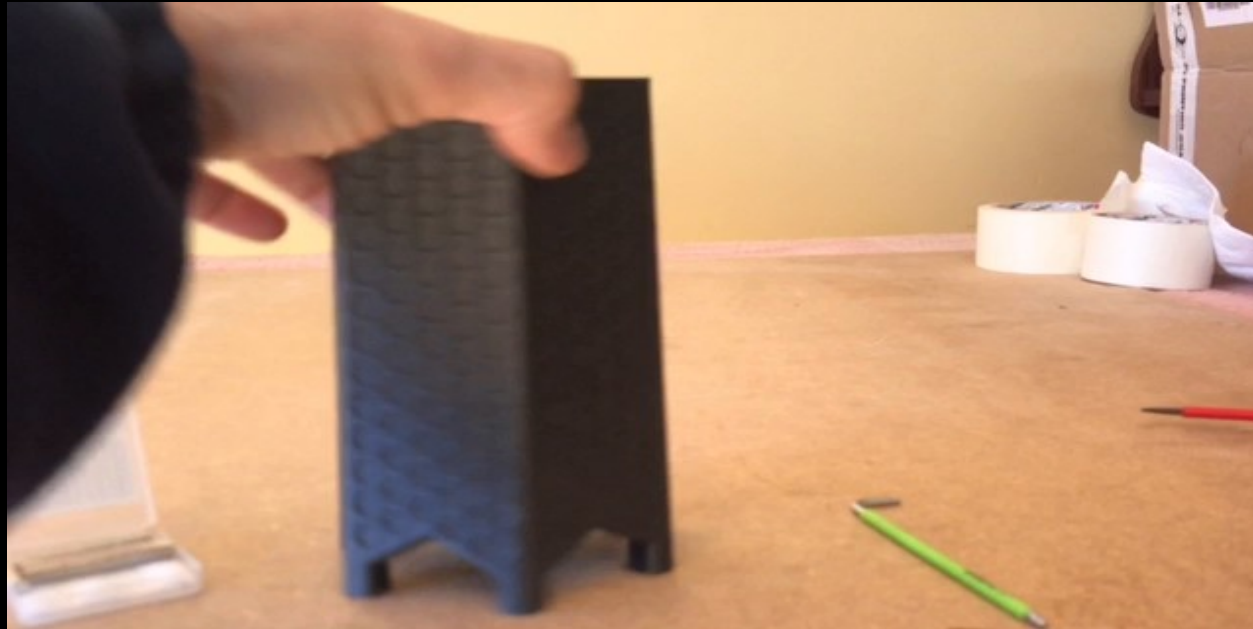
We are using **Recycled PLA or rPLA**, a type of 3D printer filament that is made from the post-industrial extrusion waste streams of PLA filaments, so no new plastics used here, to print big without creating a lot of waste.



<https://wiki.solarnethub.com/kit/case>



<https://wiki.solarnethub.com/kit/case>



<https://wiki.solarnethub.com/kit/case>



<https://wiki.solarnethub.com/kit/hardware>

The **kit** contains a **required minimum components** for proper operation, although it is **totally expandable**.

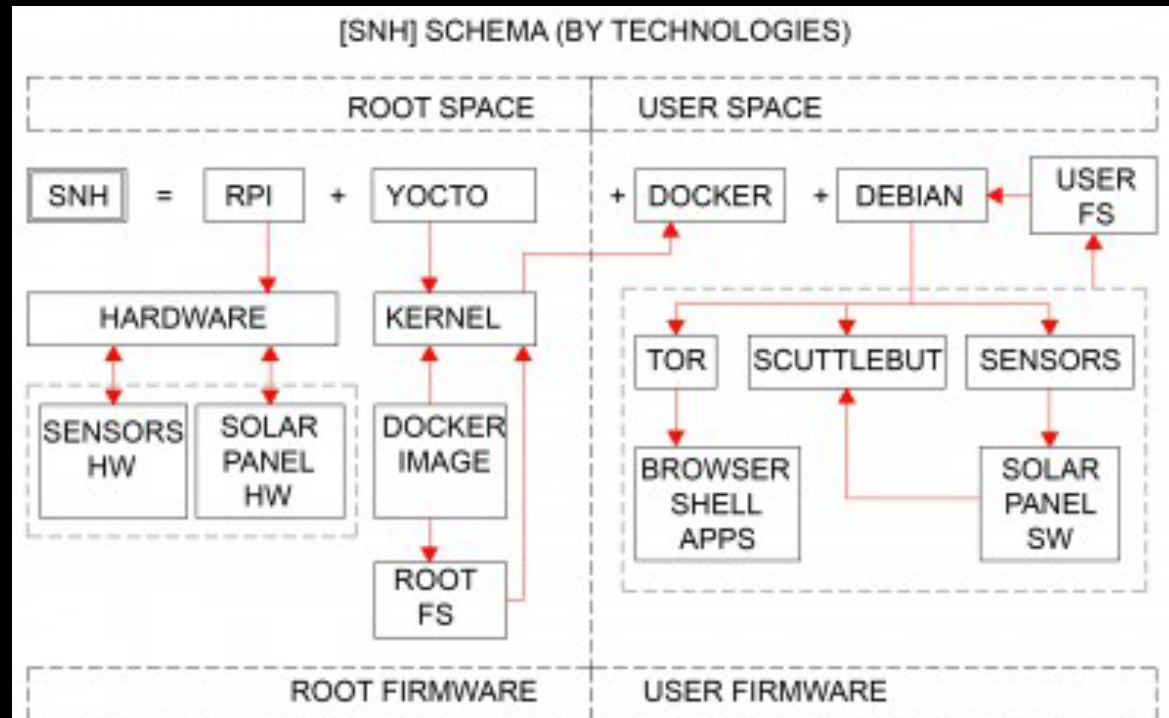
List of components:

- 1 x **Raspberry PI**
- 1 x **PiJuice: BC7X**
- 1 x **PiJuice: Solar Panel**
- 1 x **MicroSD** (optional)
- 2 x **USB Cable**



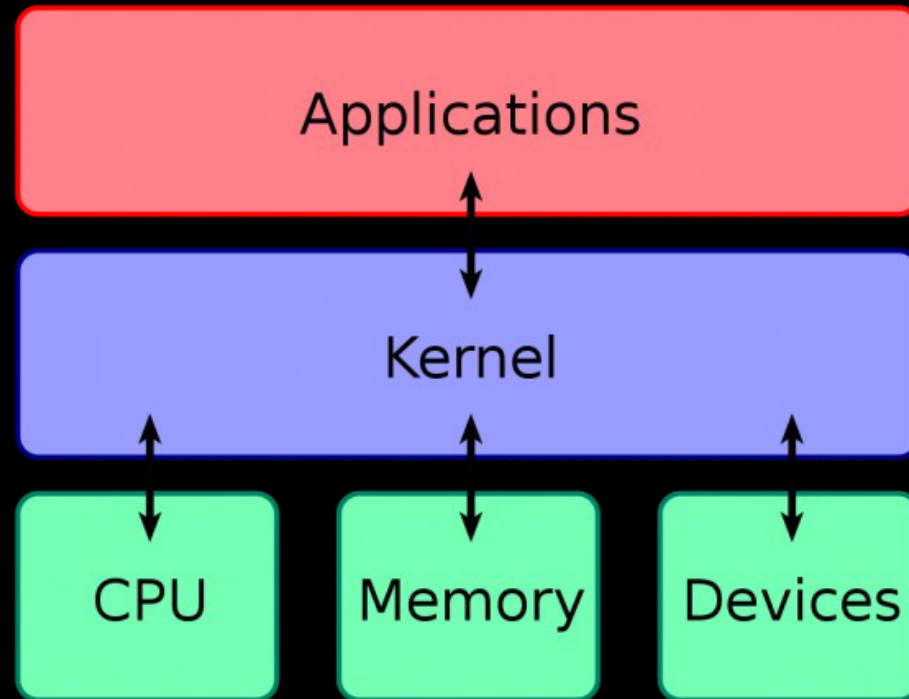
<https://wiki.solarnethub.com/kit/software>

We have built a whole Operating System from scratch, safe, multilayer and resilient. In case of any failure related to software, when restarting the kit everything will be restored as when you have acquired it (availability).



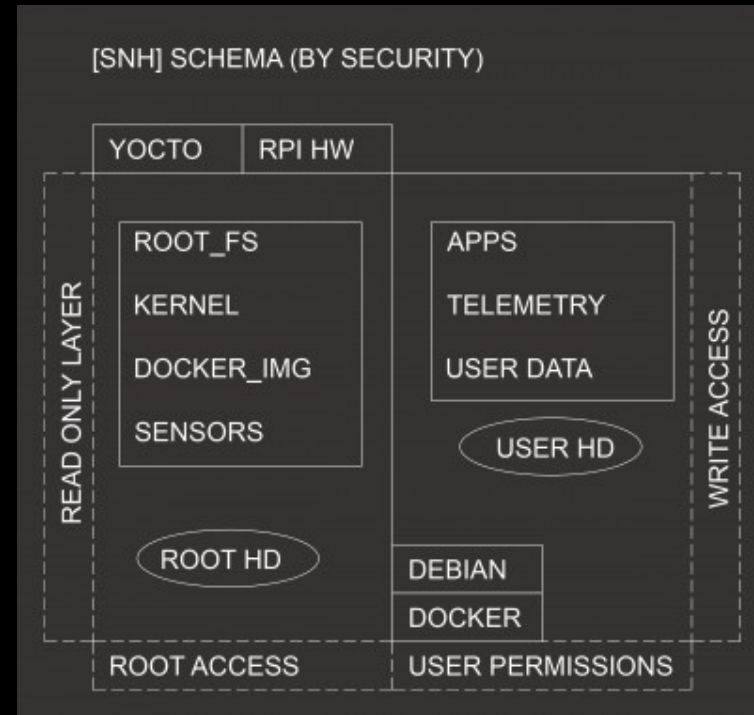
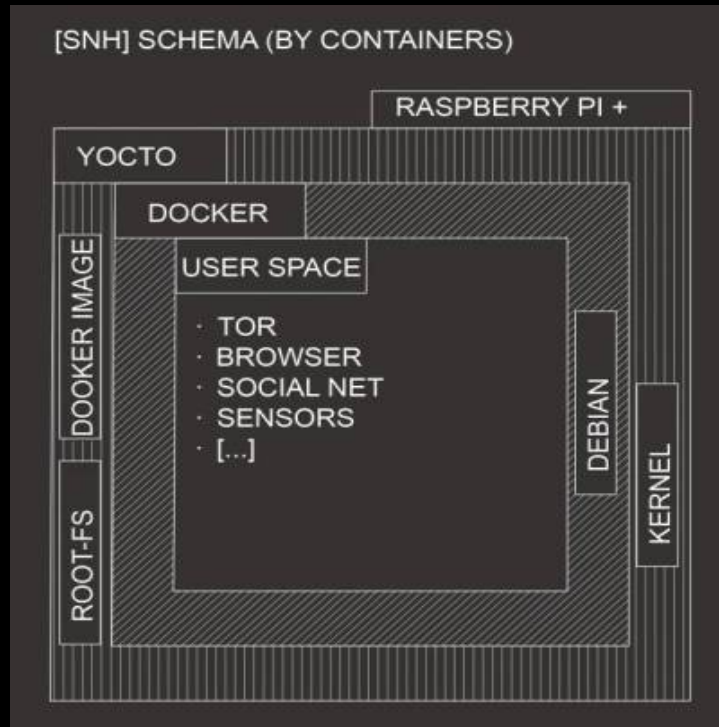
<https://wiki.solarnethub.com/kit/software>

Starting prototype has **compilation and configured its own kernel** so that it works correctly and safely with Raspberrypi (64-Bit) and all software (Operating system and applications) and hardware (peripherals and sensors) that the kit has.



<https://wiki.solarnethub.com/kit/software>

Our current **software** design includes **everything you need to work autonomously, safely and ecologically**, and it is able to run all the hardware it contains.



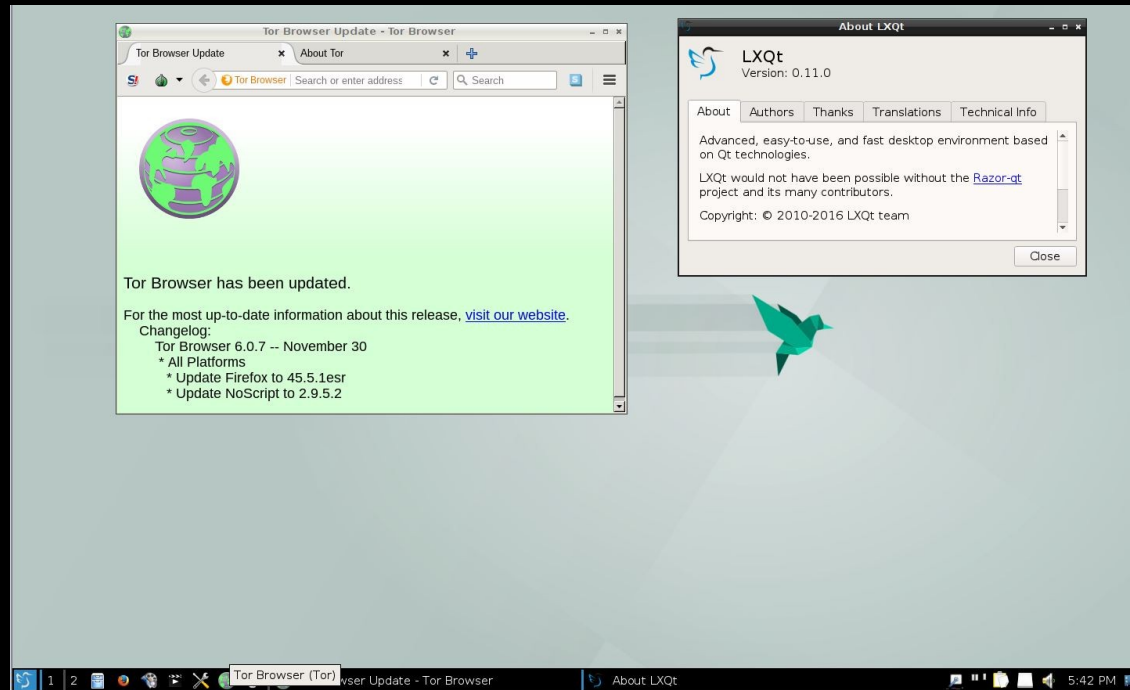
<https://wiki.solarnethub.com/docs/technologies>

SolarNET.HuB (SNH) is a multi-layer project that incorporates different technologies. Some of the most important ones included are the following:

	🔗 Docker		🔗 Debian			
OS:	 docker					
	🔗 Matchbox	🔗 Polipo	🔗 DNSMasq	🔗 Tor		
BASE:						
	🔗 Ethernet		🔗 Bluetooth		🔗 WiFi	
NET:						
	🔗 C		🔗 Python		🔗 Bash	
CODE:						
	🔗 SSB	🔗 ECOin	🔗 Firefox	🔗 Thunderbird	🔗 Mumble	🔗 Jitsi
APPS:						

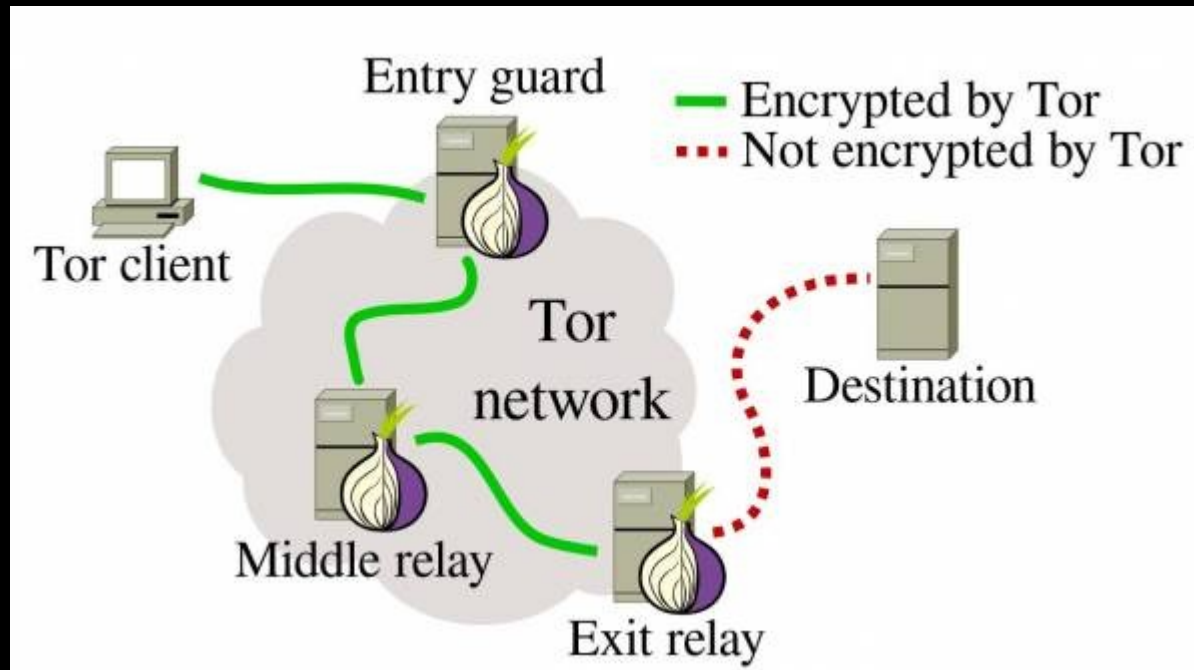
<https://wiki.solarnethub.com/kit/software#distribution>

Inside the container technology, a top-level layer OS distribution that supports **ARM architecture** family for **64-Bits kernel**, and that contains a fully functional system with: **GNU/Linux Debian 12 + LXQt.**



<https://wiki.solarnethub.com/kit/software#privacy>

SolarNET.HuB (SNH) contains different measures to protect the information privacy and confidentiality, through the use of encryption and the correct routed/storage of the data (ex: Privoxy, TOR, DNSCrypt...).



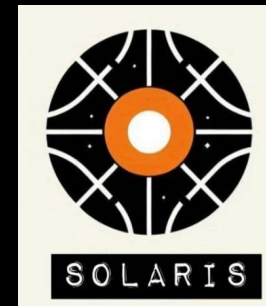
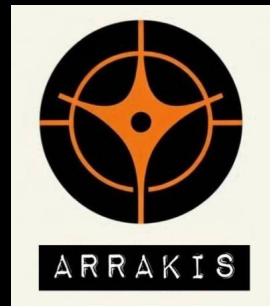
Formula 5: Asymmetric Quantum Evolution, Topological, Open Source AI, Hacker Community, and Indeterminate Chaos

$$+ \lim_{q \rightarrow \infty} \sum_{k=1}^q \int_H \text{Tr}(\rho \cdot H) d\mu_{\text{EQUANTUM}}(k) \cdot B_{\text{TOPOLOGY}}(k) \cdot \Omega_{\text{OPEN-SOURCE-IA}}(k)$$

<https://wiki.solarnethub.com/socialnet/roleplaying>

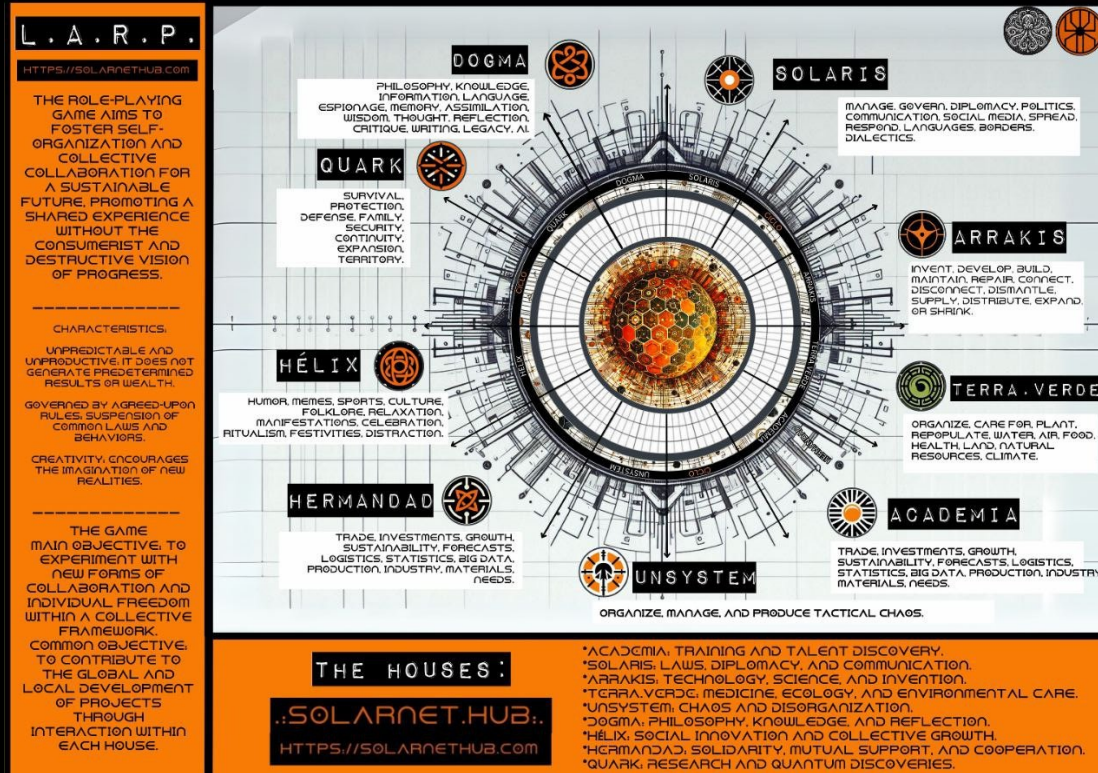
From **SolarNET.HuB (SNH)** we think it is necessary to recover our ability for self-organization and dream, and to stop living the future of 'others'.

A collective role-playing (L.A.R.P). There are 1+8 main houses:



<https://wiki.solarnethub.com/socialnet/roleplaying>

The aim is to open a place of encounter for activities, actions, groups and projects, and to reach common goals.



**Formula 6: Final Convergence, Singularity, Human Emancipation, and
Anarcho-Pragmatic Government of General AI**

$$= \lim_{t \rightarrow \infty} \frac{\sum_{k=1}^t \Sigma_{\text{STRATEGY}(k)} \cdot A_{\text{ARCHITECTURE}} \cdot E_{\text{ENCRYPTION}} \cdot H_{\text{HACKTIVISM}} \cdot R_{\text{RESILIENCE}} \cdot I_{\text{GEN-AI}} \cdot E_{\text{HUMAN-EMANCIPATION}}(\mathbf{z})}{\epsilon_{\text{HUMAN-FREEDOM}}}$$

DANA Valencia ↔ .:SNH:. “Digital Survival KIT”

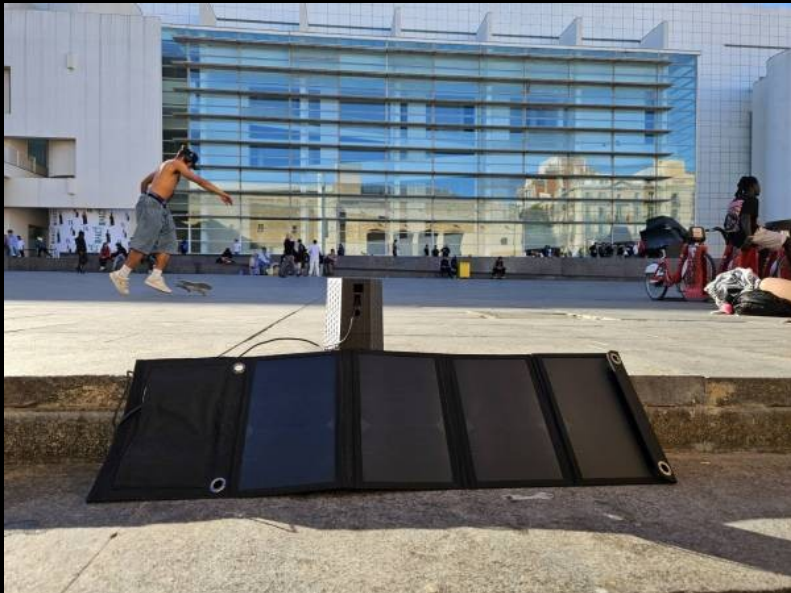
https://es.wikipedia.org/wiki/Inundaciones_de_la_DANA_de_2024_en_Espa%C3%B1a

<u>Problem:</u>	<u>Digital Survival KIT:</u>
Electricity	Solar Panel + Battery
Internet	Meshnet
Economy	Ecoin
Comms/Operational	Oasis
Governance	L.A.R.P
Experience	Hacktivism
Philosophy	#Solarpunk



<https://wiki.solarnethub.com/project/introduction>

We work for a technical alternative, building an inclusive device that allows a greater number of people to distribute, agency and hold each individual responsible for the environmental cost derived from their intervention in the digital space, and to protect the privacy and integrity of those who visit the Internet.





[SNH] SolarNET.HuB (SNH)

- Website: <https://solarnethub.com>
- Newsletter: <https://solarnethub.com/newsletter/>
- Documentation: <https://wiki.solarnethub.com>
- Warehouse: <https://solarnethub.com/warehouse>



[THS] TheHackerStyle.com

- Shop: <https://thehackerstyle.com>
- Podcast: <https://youtube.com/@TheHackerStyle>
- Blog <https://thehackerstyle.com/blog/>

→ Telegram: <https://t.me/TheHackerStyle>

[THS]



THEHACKERSTYLE.COM

01. THE HACKER STYLE

Entre nuestros objetivos está intentar derribar los estereotipos alrededor de la figura «hacker», tan llenos de connotaciones negativas y que para nada se cumplen en la realidad.

Por eso te ofrecemos una amplia gama de ropa, complementos y accesorios, que harán de tu imagen personal algo exclusivo e interesante y que te servirán como señal de identidad y sello de calidad, en cualquier situación social que se te presente.



02. LA TIENDA ONLINE



COLECCIÓN ANTI-IA

Especializada en ropa, complementos y accesorios, inspirada en la cultura hacker. Estamos aquí para ayudarte a encontrar una imagen personalizada y exclusiva, ofreciéndote una amplia selección de productos de calidad, con principios éticos, fabricación sostenible, diseños innovadores, tecnología integrada y muchas cosas más... que seguro te representarán fielmente, y en tu día a día.

03. EL BLOG

Para [THS] el hacking es una cultura en la que subyace la búsqueda de soluciones elegantes a problemas complejos y una ética basada en el libre acceso a la información. En nuestro blog encontrarás contenido exclusivo e inspirador relacionado con la tecnología como extensión de los sentidos y la filosofía hacker en general.



04. PROMOCIONA TU MARCA

Idea, estilo o personalidad en canales, eventos, congresos, «hacklabs», redes sociales, etc... todo gracias a la personalización. Utilizando nuestros productos como base, crearemos una pieza totalmente exclusiva para ti y te ayudaremos a distribuirla a través de nuestra tienda online.



Código de descuento #SNHRooted