



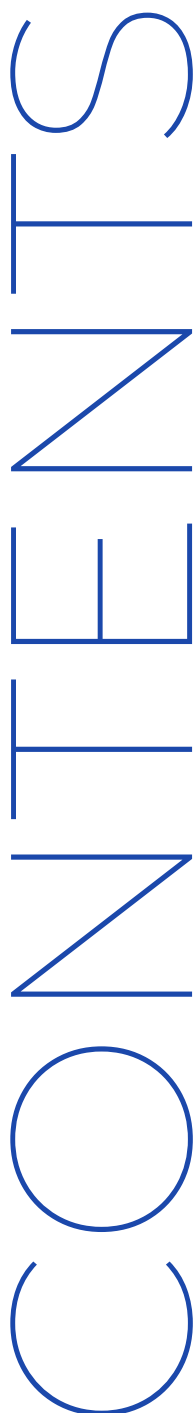
ADA NORTH POOL

# Progress Report



# 20-21

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# 2020-2021

Started back in the first testnet of 2019, Ada North Pool has been one of the most stable staking pool in the ecosystem with good performance and always striving to innovate and improve. Join us for a journey of progression.

In this yearly review at the mid section of 2021 you will learn more about the projects ADA North Pool is involved in and how the pool is prioritizing goals as well as measuring degree of achieving those goals.

More importantly I hope you the delegator get a sense of ownership into where the staking pool is headed and I invite you to join our telegram group to discuss together with me and other delegators to the pool.

It is my clear goal to have the staking pool make a mark in regards to Charity work and to also involve it in some of the more capital risky ventures with high human rewards, such as the World Mobile Token project that has the potential to connect the unconnected and bring digital identity to many who have never had such an opportunity before.

I always want to learn more about my delegators and the backgrounds they come from and I hope in 2021-2022 I can be even more involved in the pool projects and with influence from my delegators to future goals.

With those words I hope you will enjoy the ADA North Pool annual report 2020-2021.



# MESSAGE FROM EYSTEIN HANSEN



I am willing to take risks to innovate in projects that could change people's life in a meaningful way.

A key trend in staking pools going forward is to connect more with the delegators such as with charity or through smart contracts enabling delegators to for example become part time owners of a proof of mining operation run by the delegator, future defi projects or even help build out infrastructure across the world.

My message is that I am willing to take risks to innovate in projects that could change people's life in a meaningful way.

For this reason I have invested 20500\$ in World Mobile Token to become an earth node to help drive infrastructure across the world in telecom. This is also the reason I am doing Proof of Work on Ergo (1500MH/S) that has laid the ground blocks for successful smart contract driven stable coins that will help facilitate transactions on the Cardano network as well allowing every day users to make a living from the blockchain. And finally this is the reason I have done several charity projects and will continue to do so in the foreseeable future.

In the last 12 months I have successfully grown the compute and storage capacity of the pool massively in preparation for a more global and decentralized data center world, where even a small stake pool operator like me can help drive forward change in infrastructure and opportunities across continents such as Africa. I have done so with minimal capex as most capex was earned back in a month with Chia for proof of storage. I am also very proud to announce ANP have a project to donate to charity with all rewards for the pool up to 25000 NOK going to charity during epoch 278-282 and I will cover any difference in rewards to make sure the amount donated is 25000 NOK(around 3000\$). I also am now a joint owner of Kryptotjenester AS that will be launching a Nordic Cardano site in 2021-2022.

I hope to announce my next charity project soon. While I am sure there will be up's and down's in the market, the future in the Cardano ecosystem is looking bright.



# PRIORITY KPI'S COMPUTE, CHARITY AND COMMUNITY

A key driver going forward is the decentralization of datacenter computing power, this will allow anyone anywhere to contribute to infrastructure across the world.

01

## Compute & Storage

From an initial 20 cores of Ryzen 3000 series ANP now has 180 cores with 3000 and 5000 series Ryzen's. From an initial 8TB slow (HDD) and 3,5 TB fast (NVME) storage ANP now has 1200 TB slow and 35 TB Fast storage. We have now a single cloud relay and the two local computers on different ISP's for redundancy that run the pool and relays and multiple computers contributing to the ecosystem.

02

## Charity Work

In Kiva ANP have lent out 275\$ and I just announced a project to donate around 3000\$ in August. ANP also donated compute power to Folding@Home with nr 1 spot and 28.7% of the Cardano teams overall contributions. I also hope to announce a much bigger charity project later in August.

03

## Community Contributions

Behind the scenes ANP has been in several discussions on governance and also publicly such as in the Cardano Summit 2020 presentation. and I believe in the future I will contribute more to this space. I have also contributed to the Ergo community as it is part of the Cardano Ecosystem and I am now getting involved in World Mobile Token as well due to it helping connect the unconnected and being a driver for Cardano adoption and identity solutions with Atala Prism. I also launched a Norwegian limited company Kryptotjenester AS that is going to launch a Nordic Cardano community page ([www.adanordic.com](http://www.adanordic.com)).



# COMPUTE AND STORAGE AT A GLANCE



## Storage

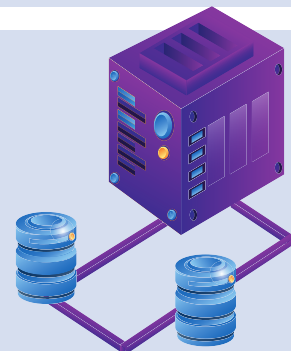
### Fast+Standard Setup

- 1.2 Petabytes (Standard)
- 35 Terrabytes (Fast)
- Over 150000% and 1000% Increase YoY respectively for Standard and Fast storage.

## Networking

### Mellanox Infrastructure

- 4 Units x 40 GB/s
- 10 Units x 10 GB/S
- 8 units x 2.5 GB/s
- 2x1GB Fiber ISP



## Computing

### AMD Ryzen 3000 and 5000 series

- 180 Cores
- Over 1000% Increase YoY in compute power



# COMPUTE - HIGHLIGHT

The main highlight was the main datacenter shaping up in 2021 now with Mellanox 10GB network across most of the by now 22 computers.



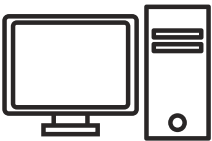
**LUCKY DRAGONS BY MY DAUGHTER  
PROTECTS THE SERVERS**



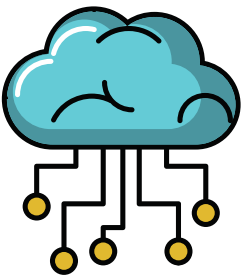
# COMPUTE - DETAILS



In 2020-2021 I added 6 laptops to the computer farm, these are Intel 6 core based and Amd 8 core based with a total of 40 cores. The laptops use 2.5 GB/S network and are currently deployed for CPU and GPU mining. 5 laptops have Nvidia 3060 GPU's.



I also went from 2 servers to 12 and from 20 cores (Amd) to 108. The two main servers are not running any gpu/cpu mining as they are dedicated to Cardano (server and relay) while the 10 new computers are currently running disk, cpu and gpu mining. Most of gpus are Nvidia 3060ti`s.



In this time period I also added 4 Network Attached Storage devices (NAS) with a total of 20 Intel cores and 3 Raspberry Pi's with 12 Arm cores.



Network wise I went from a Mikrotik router to having multiple switches and a high speed internal network with InfiniBand for the most bandwidth sensitive applications (40GB/S)

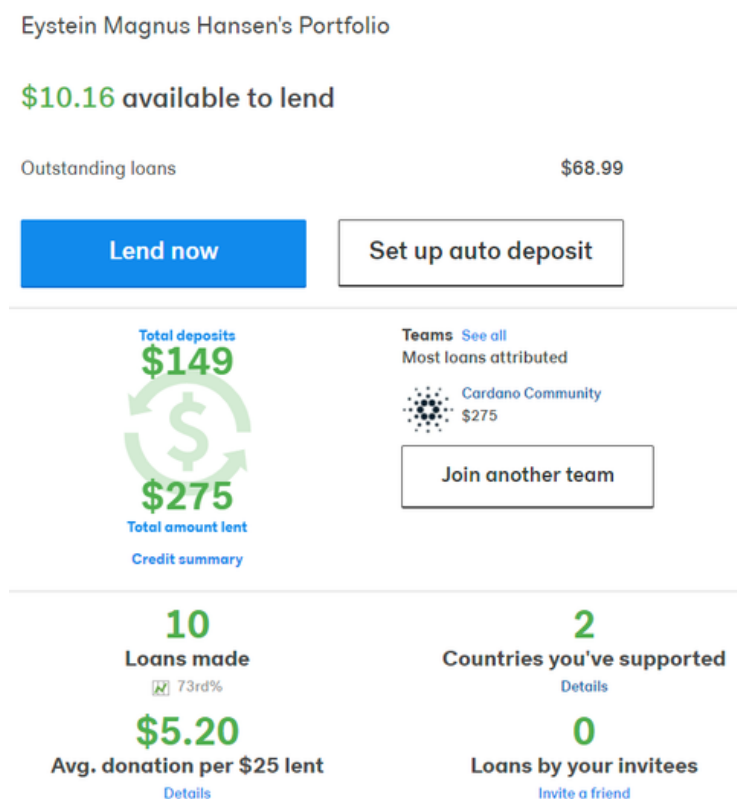
The main reason I have increased compute capabilities is the fact that a pool operator needs to offer value added services to the network to stay relevant. By increasing storage with storage mining I am set up to contribute to World Mobile Token (WMT) and any storage needs it (or other Cardano projects for that matter) has for its Cardano based project. By increasing compute and networking I am well set up to offer telecommunications services as well for WMT. The GPU mining has mostly contributed to Ergo that is another project collaborating with Cardano, while a small portion has gone to ETC mining where IOHK still are doing work through the Mantis wallet.





# CHARITY - HIGHLIGHT

The main highlight so far is the Kiva donations, but recently I contacted a hospital for ANP to donate 25000 NOK to the autism center there in August if everything goes well.

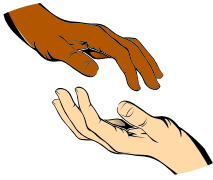


*Giving  
back*

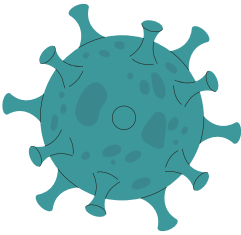
NEVER HURT KARMA



# CHARITY - DETAILS



In Kiva I spent some 149 usd and over the time period lent out 275 usd. Mostly this is something I do while waiting for a better solution with less cost on the Cardano blockchain.



I also donated compute to Folding@Home to help understand the Covid-19 virus better donating 28.7% of the Cardano teams compute with a score of 516148303 credits.



In July 2021 I announced that 100% of pool income would go to an autism center in a local hospital for the epoch 278-283 and up to 25000 NOK (around 3000 usd) where I would personally cover the difference.



In August 2021 I will be in talks with the national hospital of Norway to found a research program on Hirschprung. This would be a long term project and more details will come later if this becomes a successful project.

The main reason I have done a charity with Cardano is to be a good example and lead the way for future staking pool operators to follow. In honestly I believe that the current generation of single owner staking pools are likely to be outcompeted by the likes of next generation of Cardano wallets that will offer pledging services instead of delegation, and other valued added pool services from large scale operators and corporations. I hope I still have a few good years worth of fight to do some good causes for the world with my dedication to world mobile token to connect the unconnected and my dedication to charity with a research program grant.



# COMMUNITY - HIGHLIGHT

In 2020 the ANP community highlight was the Cardano Summit where I presented on collaborative mechanisms in the Cardano ecosystem.



[HTTPS://WWW.YOUTUBE.COM/  
WATCH?V=U3MTGR4HODI](https://www.youtube.com/watch?v=U3MTGR4HODI)



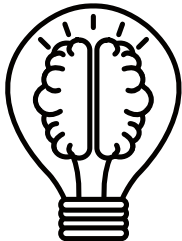
# COMMUNITY - DETAILS



in 2020 I continued work on the Bitlaw project (<https://forum.cardano.org/t/bitlaw-a-legal-system-with-a-dsl-for-cardano-governance/18887>) with a presentation portion of the virtual summit dedicated to this.



I also did several talks with community members on governance and dedicated a portion of the virtual summit presentation to this topic as well with voting theory.



Work on Family Connect idea (<https://docs.google.com/presentation/d/1i8n5OxkMLwJDohpfOktiNp44ncQNnSuopnSOqqpPxFc>) continued with talks with World Mobile if they would apply the idea.



## ADA NORTH POOL / ANP NORTHERN LIGHTS SECURITY COMPETITION

I will offer a reward of 2500 ada if you can reach the proof in /opt/cardano/cnode/security/proof (ANPSEVER2)

I will also offer an additional 2500 ada if you can reach the proof file located in /opt/cardano/cnode/securitycore/proof (adanorthpoolserver).

**Requirements: Disclose the proof content and tell me how to fix my security vulnerability. Competition last August 2020.**

I also held a security contest and while no users found a main vulnerability that would give the 2500 ADA grant I rewarded 500 ADA to a user for finding some other vulnerabilities that were fixed.

As an Ambassador to Cardano I feel it is my obligation to be involved in the community in a positive way. I have been active on IdeaScale and in private discussions on governance. I have also made video content and presentations on the projects collaborating with Cardano such as Ergo. For the future I would like to work with World Mobile Token and be a bridge there between Cardano and WMT to help connect the unconnected as I feel this is some of the most important we can do now to help while also growing the Cardano ecosystem. I am also launching Adanordic.com to be a hub in the Nordic region for Cardano and I hope to grow this together with the team working on the site.



# NEXT STEPS

Storage to Africa, Renewable energy, long term charity and Adanordic.com

01

## Utilize Compute & Storage

While storage & compute is currently running and plotting in Chia to earn revenue, I hope to use the capacity for World Mobile Token projects in the Cardano Ecosystem. I will continue to support Ergo with Proof of Work and also with Ethereum Classic where Charles recently joined the board. In total I have around 2000MH/S GPU hash rate.

02

## Renewable energy and global ISP

In 2021-2022 I plan to add a 3rd ISP to my small datacenter with Starlink, this should help me get good latency across the globe. I also plan to add solar panels to the roof of the house to sustain my compute power better for the future. Most of the computers will also be housed in a new data senter room I am building with proper cooling / filtering.

03

## Major long term charity

I am currently in talks on founding a research project into a rare illness called Hirschprung with the national hospital. This would be a long term project and with portions of the pools rewards going to this goal every epoch.

04

## ADANORDIC.COM

www.adanordic.com is launching during 2021-2022 and behind is the Norwegian limited company Kryptotjenester AS



I would like to thank Carver - a long time delegator to ANP - for the design and helping me write this short ANP yearly report.



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## CONTACT

Ada North Pool  
Telegram Channel



<https://t.me/adanorthpool>



[adanorthpool.com](https://adanorthpool.com)