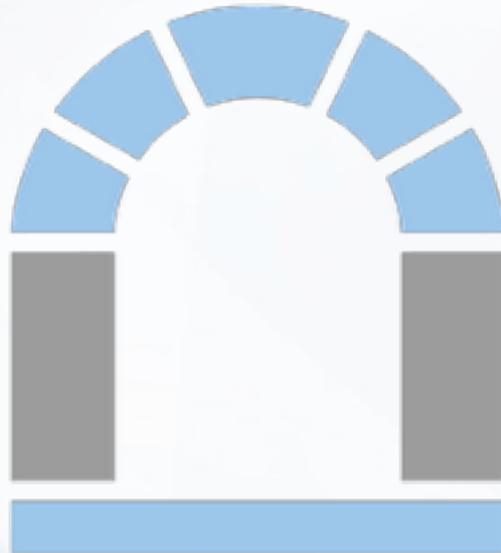# Position Paper - Summary of White Paper

Porta Medika

The Gate to Medicine and Health

an independent, neutral & decentralised

open source protocol system

supported by

the Humanitas Foundation e.V. - Dortmund/Germany

Introducing the system of the

PortaMedika.net

Version 1.0 (1st of June, 2018)

Content

1. **The PortaMedika.net** - shaping future in Medicine and Healthcare, Wellness and Beauty

1.1. The Porta Medika Vision

Digital meets analog medicine - **creating better results for everyone.**

This will be the future of medicine & health, wellness and beauty in information, dialogue, products and services.

The PortaMedika.net aggregates, compares and combines all areas of known medicine such as Modern Western Medicine, Traditional Chinese Medicine (TCM), Ayurveda, Naturopathy and all other forms and schools of thought such creating a singular intelligent net without borders or limitations just following the slogan of Hippocrates "who heals is right". The PortaMedika.net system aims to be of highest support to MDs, hospitals, healthcare systems and related institutions worldwide and enable any user direct and personalized access to latest developments and findings.

The PortaMedika.net is using **disruptive** technologies such as **decentralization**, **blockchain**, **smart contracts** and **artificial neural network, deep machine learning and artificial intelligence** to open new ways in medicine and healthcare bringing **affordability and accessibility** for everyone around the planet.

1.2. WHC token - exchanging and creating value for better results

The introduction of a decentralized cryptocurrency payment system - the **World Health Currency (WHC)** - an ERC20 token on Ethereum- in the PortaMedika.net system, allows every user to participate directly and create value for themself AND the portal as well as the whole community. It's a unique chance for anyone to progress and

prosper very fast in multiple ways by contributing, investing or using the PortaMedika.net **worldwide decentralized healthcare system (DHS).**

The PortaMedika.net will create its own disruptive economic business system in the analog and the digital world.

PortaMedika.net **World Health Currency (WHC)** ERC 20 token front and back

1.3.PortaMedika.net - blockchain based decentralized economy

Covering target markets in medicine & health, wellness & beauty.

The PortaMedika.net economic system will be run by data in exchange for WHC cryptocurrency. The system will allow borderless free exchange, direct communication and participation for everyone; specialists and patients as well as all health players and institutions engaged via blockchain and smart contracts.

Any user can directly contribute, exchange, purchase or buy within the decentralized system.

The unique possibility to earn WHC tokens in exchange for data will permanently fuel the system and increase its overall value.

2. User value creation and payments

2.1. Data contribution - valued in WHC

Data is the fuel of intelligent future systems - if contributed by all participants it enables them to join and use the system for their own health issues and at the same time for the benefit of the whole community. All data contribution will be **directly valued and paid for with WHC cryptocurrency** to the user.

Since PortaMedika.net has created a new **World Health Currency** token based on the Ethereum platform for fast exchange of value within and without the system, users will be able to create and use their values in the digital and analog world without any delay. Giving any user worldwide the opportunity to add or use the PortaMedika.net wiki, use or create a Porta Medika forum, exchange important valuable info and share their own personal experiences and be rewarded for contributions of data or work to the system. Contribution can take place in multiple ways such as adding texts, pictures, videos, audio data, as well as online products and online services or any correlated services like in medical tourism, e-trade and many more.

2.2. Worldwide decentralized healthcare system (DHS)

PortaMedika.net creates a decentralized healthcare system with blockchain based cryptocurrency and smart contracts accessible and usable for everyone globally. Such for the first time ever giving certain healthcare possibilities to underrepresented parts of society enabling those groups to benefit as well.

3. Using the PortaMedika.net as a Gate

3.1.Creating the global user community

For users accessing the platform the system will constantly aggregate and evaluate the best of everything and everyone and create a unique community consisting of therapists, MDs, patients and all users and players worldwide communicating and exchanging best practice experiences and all other data to enhance knowledge, health, wellness and well being globally bringing reliable healthcare, treatment, products and services to everyone.

3.2.Border free communication

PortaMedika.net will enable direct and border free communication and exchange between single users, institutions, states and countries worldwide in all possible languages. The decentralized PortaMedika.net system will overcome the nowadays obstacles of geographical, economical and educational borders and barriers such building the frontline of intelligent findings and innovation in medicine & health, wellness & beauty for the benefit of everyone.
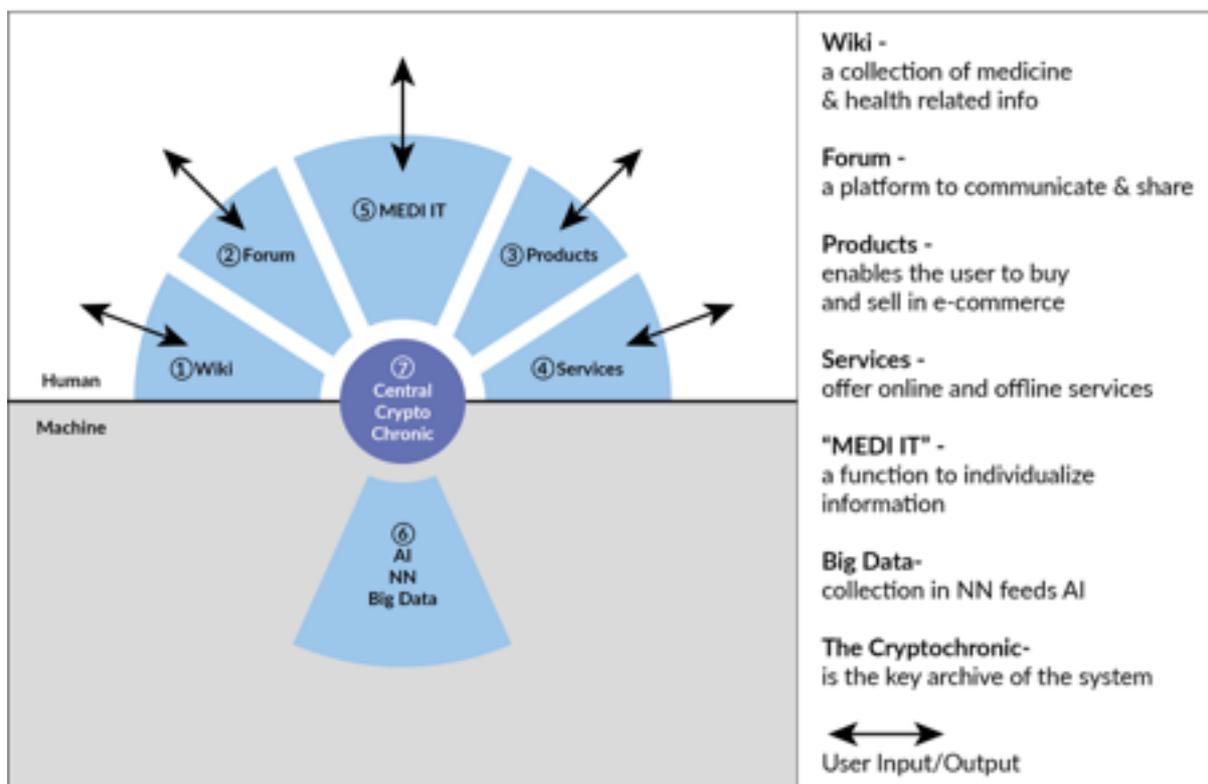
4. Intelligent System Architecture

PortaMedika.net is an open source protocol combining software architecture in a intelligent setting to reach out to a new combination of human intelligence and artificial intelligence.

4.1. The Creation of the Cryptochronic

The PortaMedika.net software architecture places the **cryptochronic database** as a central or key element in the system.

It being the data storage in the center of all actions while a neural network is the intelligent software behind the platform.

All big data will be safely and anonymously stored in this cryptochronic for feeding the neural network to create a singular artificial intelligence. The cryptochronic serves as an archive to store, enhance and share facts and any knowledge for today and tomorrows generations worldwide.
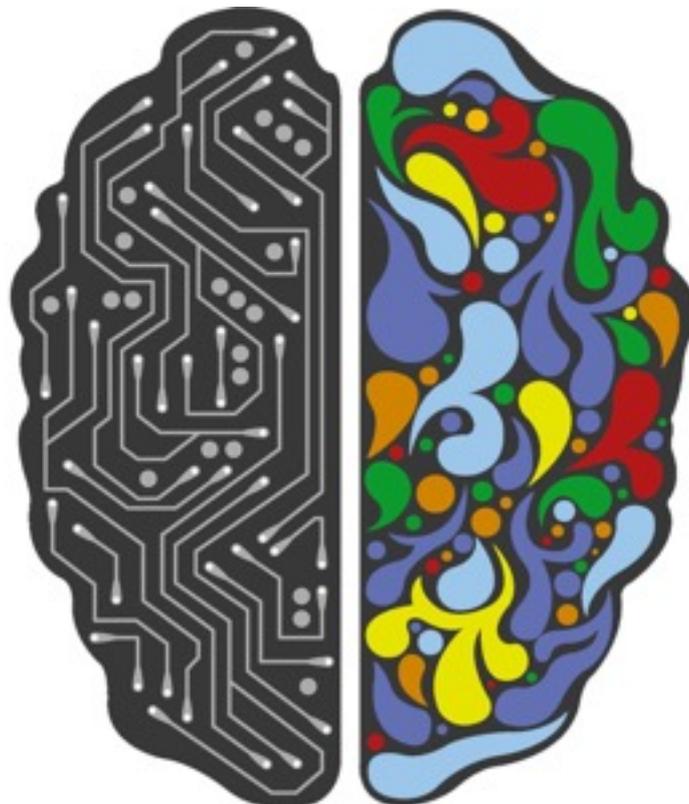
4.2.Big Data to feed the artificial intelligence

The collection of qualitative and quantitative data of best practice experiences, products, services, therapies and methods used within the different schools of thought from around the globe being the input to feed the neural network. It will enable us to create an artificial intelligence which is a second key element of the whole system. Its creation will support and work out for the benefit of all users from scientist to patient.

4.3.Combining human intelligence and artificial intelligence

The PortaMedika.net is designed to be a **singular hybrid symbiotic intelligence system (HSI)** bringing together for the first time **human** cognitive, creative and emotional **intelligence** and empiric scientific human knowledge, patients personal experiences and all other available insights in medicine and healthcare with **artificial intelligence** in deep machine learning working hand in hand.

4.4.The Porta Medika APP

Since the absolute majority of all users worldwide nowadays access the internet via smartphone PortaMedika.net must and will be available as an APP for Android and IOS when going online.

4.5.MEDI IT functionality

The use of the "**MEDI IT" function** which is artificial intelligence based for personalized and individualized information for the individual user opens the system for **filtered private results and recommendations.**
Thus a click on the MEDI IT function individualises the whole system for THAT specific user and than serves as a private assistant.

4.6.Data security

Since medical data are sensitive data, latest and highest standards of data security such as anonymisation and pseudonymisation will always be applied matching highest standards worldwide e.g. **General Data Protection Regulation (GDPR).**

4.7.Using latest AI developments

PortaMedika.net will be open to and permanently implement best and latest developments such as blockchain, tangle, crystal storage systems and every other useful system to come in the future.

4.8.How the PortaMedika.net AI will be established, than permanently elaborated and perfected

We will be using neural network, deep learning and machine learning to ever increase the capacity of the system and to implement artificial intelligence in the system always using latest global developments.

Vast amounts of permanently collected and updated medical data from different locations and demographics globally will be used to determine which treatments or methods are best for whom and such evaluate and improve the effectiveness of diagnosis and treatments by pointing out best results for any given user.

By this it will be possible to cut costs of smart individualized treatments developments.

Scientists using the PortaMedika.net platform can easily communicate and exchange their work using the platforms highly supported AI features to take the lead in their field of expertise while latest scientific findings can be spread around the planet and be shared and evaluated immediately.

PortaMedika.net will be reaching out to millions of patients, therapists and institutions globally, faster than ever.

5. Practical application of PortaMedika.net

Solving major challenges in medicine and health today:

5.1.Improvement for user

- Best methods in healthcare available for all
- Evaluating & comparing all medical schools of thought
- Supporting MDs and therapists in their daily practise saving resources
- Supporting the responsible patient
- Improving preventive knowledge
- Supporting lack of MDs and knowledge in third world countries
- Decreasing medical costs and spendings
- Erasing scattered or wrong information on the web by user aggregation
- Special interest groups can be easily aggregated globally for cooperation
- Patients can access any system very fast any time for their data
- Direct online communication for user and therapist without language barriers
- One click access and order to rated health products and services
- All in one aggregated and individualized information in the MEDI IT function
- User can earn cryptocurrency in exchange for data
- User can use WHC token in a decentralized healthcare system (DHS)

5.2.Improvement of health systems

- Statistic Data collection with research of millions of patients in shortest time
- Results and data stored in the cryptochronic and evaluated with AI
- Only anonymous and pseudonymised sensitive data are stored

- Big data will be permanently analysed for improvements in systems

- Fast exchange of patient data across the globe

- Highest security level for sensitive data

- Focused and streamlined aggregated information and data

- Medicine & Health Care will be made reachable, accessible and affordable for nearly every user by creating a disruptive worldwide decentralized healthcare system (DHS)

5.3. Enhancing science

- In experimental medicine PortaMedika.net and its hybrid symbiotic intelligence (HSI) will support e.g. the development of highly effective personalized medicine for cancer treatments by using body owned immune system.

- The neutral, independent & decentralized system will enable new improved golden standards and best practice examples for every area in medicine, healthcare, wellness and beauty worldwide

- Collecting and analysing Big Data using the cryptochronic will aggregate an outstanding worldwide database for fast and effective diagnosing and analysing medical, health and wellness related conditions

- to be continued……

5.4.The market potential

The PortaMedika.net is targeting all major markets.

There is a giant market potential for participating in all world markets in medicine and health, wellness and beauty, prevention, products and services, medical tourism etc.

Total estimated Market Size of 6.690,00 billion US Dollar.

Participating in theses markets will surely make PortaMedika.net a highly valuable system. The crypto token value of WHC will increase while the PortaMedika.net growths. Additional major value will be created through the decentralized trade platform with medical & health, wellness & beauty products and services serving C2C, B2C and B2B.

Therefor all active and passive users of the PortaMedika.net will directly or indirectly participate in these huge markets.

6. Token Issuance

The PortaMedika.net genesis contract will be issuing a total of 1,000,000,000 WHC tokens. The WHC minted tokens will be allocated like this:
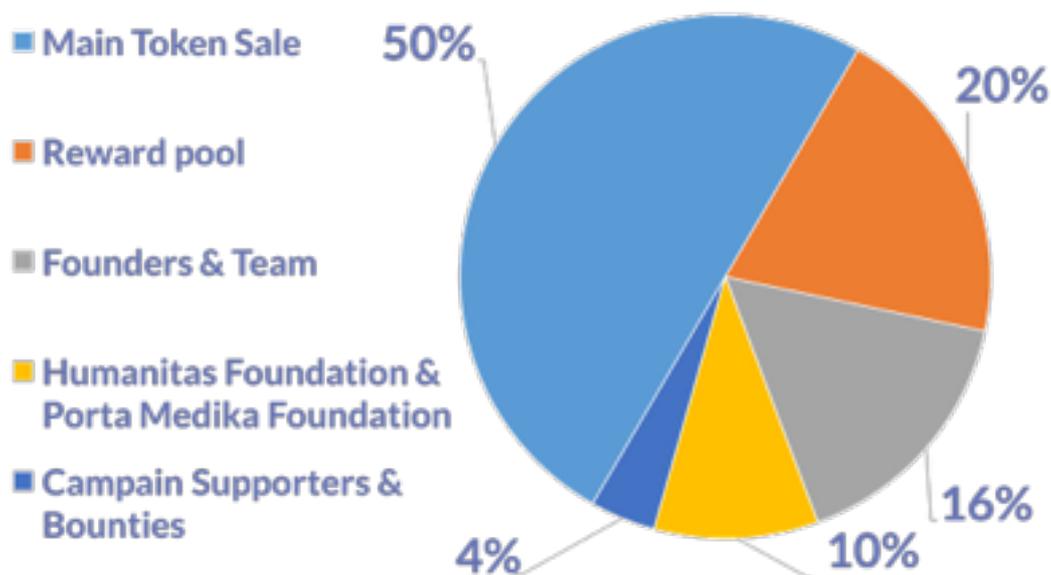
500,000,000 to participants of token sale

200,000,000 reserved for reward pool

160,000,000 distributed to founders

100,000,000 distributed to the Humanitas Foundation/Porta Medika Foundation

40,000,000 distributed to campaign supporters/bounties

The reward pool will be released over time once the network is launched. The initial schedule for WHC tokens into the reward pool is 2% per anno beginning after launch of version 1.0. WHC tokens to founders are subject to a at least 12 month vesting period.

7. Democratic Governance

PortaMedika.net will be an open source protocol that creates a worldwide community of users that permanently contribute to the system and its content. Token holders as well as all other users are implemented into the decentralized democratic system in different ways e.g. by rating and evaluating all information, products and services. The PortaMedika.net system targets to hand over more and more responsibility to token holders and contributors in the decision making process of future developments of the Vortal for the benefit of all users.

8. Founders and team

PortaMedika.net is a start up based in Germany.

Founder with 25+ years experience in medicine and healthcare, prevention, wellness and beauty and other markets. Years of experience as consultant to fortune 500 companies around the globe.Young and international teams and networks.

Start development of alpha phase under the name of Porta Medica in 2015.
MD Dr. Walter Lipke leading two teams from Universities one in Germany and one in Kenya/Africa during the already tested alpha phase. All alpha phase tests and studies successfully performed from May 2017 - January 2018.
Registered name & logo: Porta Medika since 2018.

Portamedika.net Team Germany

Dr. Walter Lipke MD
Founder & CEO

25+ years Experience
Top Mgmt Consulting
60 countries/Fortune
500

Jonathan Voellings
Founder & CRO

5+ years Future
Developments &
Scientific Research

Samuel Lipke
Founder & CFO

15+ years Research
& Top Mgmt
Consulting Fortune
500

Niklas Meyer
Founder & Leader IT
Architecture

5+ years IT Solutions

Joscha Lipke
Founder & CDO

Future Developments,
5+ years Innovative
Project Management

Alexander Repp
Leader IT-Team
Backend Development

Martha Meyer-Lipke
Leader Marketing-Team
and Communication

Andreas Oelker
Scientific Research &
Frontend Development

Laura Hesse
Project Management
Marketing and Communication

Sarah Boulgakuv
HR-Management
and Communication

Magdalena Voellings
Project Management
Design

Marcel Seifert
Backend Development
Bug fixing

Timo Rehwinkel
Backend Development
Database Specialist

Hassan Matout
Backend Development
Backend Architecture

9. Address and Contact

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