

## **P-1: Electronic database for animal health records**

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### **Background**

The medical data of animals is scattered around in different vet clinics and practice management systems. Petmeddata is an electronic repository of domestic animals, such as pets and horses, care documents and health care history. It is a mobile optimized web application, hence working on a large range of devices. A microchip guarantees the unique identification of the animal, and it is advisable to microchip animals. The staff of the animal clinic may scan the chip of the animal before allowing data transfer from this specific clinic, but this is not necessary when the customer and animal are known to the staff. Via Petmeddata the animal owner always has access to the animal's medical data. The animal owner can record notes, files, photos and videos, and veterinary health specialists may see them too. By sharing the animals profile the owner can grant others, such as friends or the animal's caregivers, access to the profile. The veterinarians having their Practice Management Systems integrated to Petmedchain can easily read the animal's history from their own device. Seeing into the animal's whole medical history enables better treatment and gives less room for mistakes. Important partners are researchers that can use the animal's anonymous data. Research results in better understanding of illnesses, and faster and more specific research on treatment. Information on the animal's owner is not provided. Information specifying the animal, such as the name or microchip number are extracted from the data. Petmeddata, the web application, utilizes blockchain technology, the Petmedchain. Partners are sold nodes of their own, in order to tie them into the web of nodes. Interfaces can be used to interact with the blockchain. Many partners can simultaneously import or retrieve information from the blockchain. The search of the Big Data can be narrowed with Artificial Intelligence.

### **What for is this project**

Petmeddata unites people involved in the caregiving of animals: the animal owner, vets, health care specialists such as physiotherapists or massage therapists, researchers, as well as different service providers in the animal industry. Access to the data makes animals lives healthier in the short term as well as in the long run. The service is initiated and provided by *Finnish Net Solutions*, an IT-company based in Finland.arjama

### **Results**

The global interest among animal owners as well as health care specialists and the industry has been very big. The product was launched on 28.11.2018. To date 7.2.2019 twelve (12) vet clinics had joined. The Animal Hospitals of University of Helsinki and University of Tartto are about to join in early 2019. Petmeddata is going global in 2019, starting in Estonia and Sweden, as well as other countries.