# Status Report on the " Preserving Deciduous Teeth Network “ Project

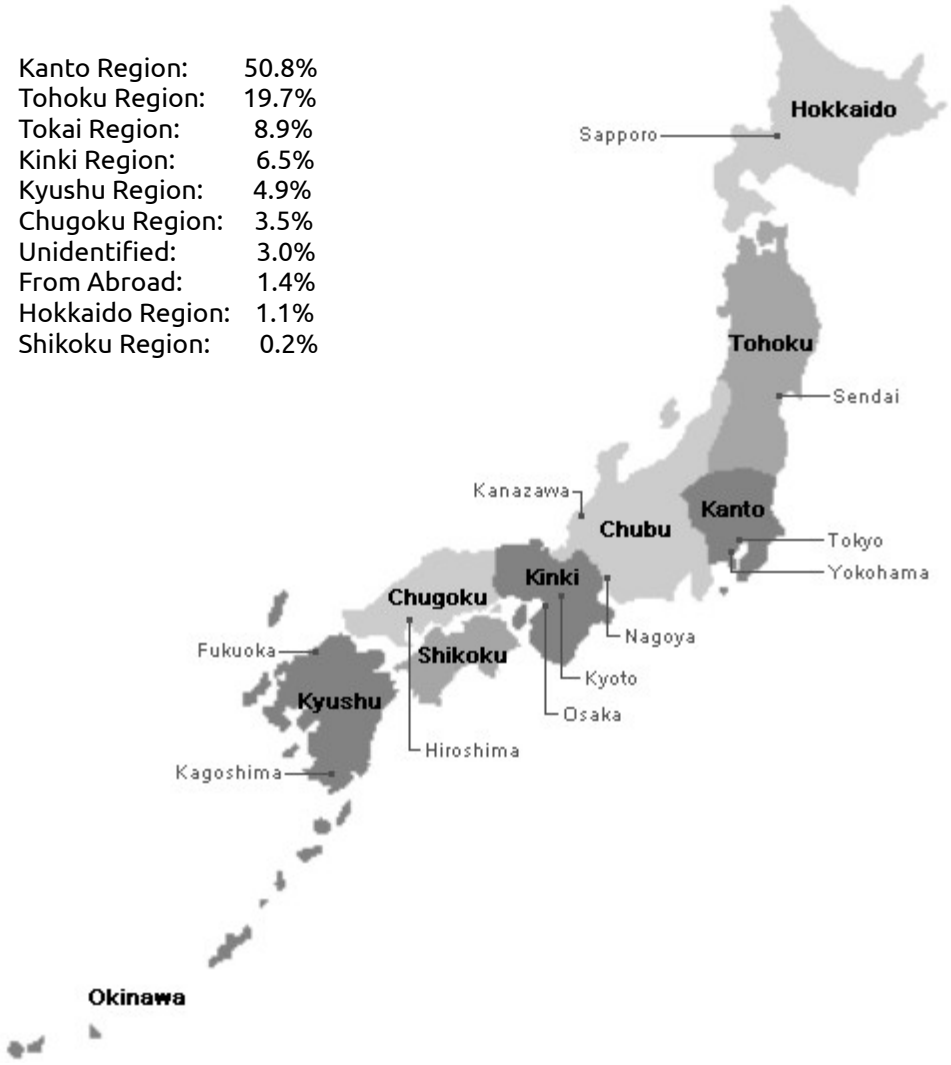
With the establishment of the “Preserving Deciduous Teeth Network” in September 2015, we intensified our appeals to the Japanese people to support our efforts to preserve shed milk teeth. Concurrently we have been pursuing the objective of establishing our own Sr-90 measuring laboratory. To date more than 700 individuals and organizations have become promoters and supporters of, and contributors to, the network.

### *Donation of Milk Teeth*

Shortly after the Fukushima Power Plant accident in 2011, we began collecting shed milk teeth in the main from children in Japan. So far 445 milk teeth have been donated by 370 people. Our objective is to examine 500 milk teeth per year. In order to achieve this we are redoubling our efforts: We have been appealing to people across Japan to donate their children's milk teeth. Our appeals are being underpinned by awareness campaigns conducted by dentists, our promoters and environmental NGOs to stress the importance of the project.

The regional breakdown of samples received is:

| | |
|---|---|
| Kanto Region: | 50.8% |
| Tohoku Region: | 19.7% |
| Tokai Region: | 8.9% |
| Kinki Region: | 6.5% |
| Kyushu Region: | 4.9% |
| Chugoku Region: | 3.5% |
| Unidentified: | 3.0% |
| From Abroad: | 1.4% |
| Hokkaido Region: | 1.1% |
| Shikoku Region: | 0.2% |



### *State Laboratory Basel-City in Switzerland*

The Health Department of the State Laboratory Basel-City in Switzerland is well versed in the methodology of Strontium detection. They have been measuring Sr-90 contamination in objects, such as deciduous teeth, milk, grass, soil and fresh water fish since 1950.

As the detection of Strontium in teeth is technically complex and very work-intensive, we sought their expertise. Furthermore, in June 2013, they agreed to perform Strontium-90 measurements in milk teeth that we sourced in Japan. We are very grateful for their invaluable support.

The results of the measurements were published in June 2016 by Dr Markus Zehringer of the State Laboratory Basel-City. ( See: https://www.researchgate.net/publication/304247963)

The results of the investigation indicate that milk teeth of Japanese children (mean value: 81 mBq/gCa ) appear to be more polluted than e.g. milk teeth of Swiss children (Swisss data: 10 to 20mBq/gCa). Dr Markus Zehringer's summary reads: "This investigation of 226 deciduous teeth from Japanese children shows a mean contamination level of between 50 and 100mBq/gCa. The nearest year of birth to the core melt-downs at the Fukushima-Daiichi power plant is 2009. Milk teeth from children born in 2011 cannot be analysed yet. Therefore, one has to wait to see whether the contamination level will rise as a result of the accident. "

Now is the time that the teeth of children that were fetuses at the time of the Fukushima accident should become available, and it is important that we increase our efforts to preserve them for our investigation.

In September 2016 three scientists from the Preserving Deciduous Teeth Network, Ms Shoko Ohnuma, Prof Chihiro Ichihara, Dr Kaoru Hoshino, participated in the training programme at the State Laboratory Basel-City in Switzerland. The six-day intensive training course was organised by the State Lab Basel-City. It gave important insights into the methodology, procedures and skills that are essential to ensuring meaningful outcomes from the PDTN project. Our heartfelt thanks go to the people at the State Lab Basel City for their generosity in responding to our training request.

### *IPPNW ( International Physicians for the Prevention of Nuclear War ), Germany*

In February 2016 we were pleased to learn that the IPPNW Germany decided to become a promoter of the network. Soon thereafter Dr Alex Rosen, President of the IPPNW Germany, published an article on our undertaking, entitled " Search for Strontium-90 in Deciduous Teeth ", which comprehensively sets out the background and the objectives of the project. It is available on our website: http://hahainc.jp/english/sample/img/PDTN-AlexRosen-Sr-90.pdf

*Establishing Our Measuring Facility*

The Japanese government continues to downplay the impact of the Fukushima nuclear accident. As years have gone by, media coverage of the disaster has diminished, and the majority of the Japanese people seem to have become indifferent to the fate of the affected people. In such a climate raising funds for the establishment of our measuring laboratory proved to be a greater challenge than we had anticipated, and for a very long time the steering committee deliberated on how best to achieve this goal.

《Founding Haha, Inc.》

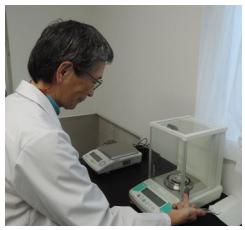
It was Mr Gensuke Tokoro, one of our steering committee members, an entrepreneur, who had this idea: Establishing a non-profit company as the most effective route to securing the required funding. In February 2017 we established a non-profit company ( benefit corporation type company ), ''Haha, Inc.“, and in July 2017 we initiated equity financing of its shares.

Our slogan was ''Children's smile is your dividend“ : Shareholders will not receive any financial reward, but they can take comfort in the fact that any share purchased can help secure a better future for the children. And the public's response was amazing. We seemed to have hit the right button. Up to now we have received investment funds in the amount of 21,990,000 yen and contributions in the amount of 1,610,000 yen. Furthermore, the Takagi Fund for Citizen Science donated 800,000 yen. This enabled us to finally establish our laboratory.

To date we have completed setting up the 'Multi-Detector Low Background Alpha/Beta Counting System LB4200' by Mirion Technologies Canberra Inc. Currently we are preparing a chemical treatment facility. (See: photos)

LB4200
(Multi-Detector Low Background Alpha/Beta Counting System)

Electric Furnace and Afterburner Device



Measuring Instrument

***Outlook for 2018/2019***

- Complete commissioning of measuring equipment, commence measurement programme by end of July 2018
- Increase efforts to source more milk teeth
- Vigorously pursue critically needed additional funding from shareholders and donors, explore other funding routes

***Preserving Deciduous Teeth Network***
***Haha, Inc.***

***June 2018***

* *Attachment: Financial Report ( page 5)*

## *Financial Status Preserving Deciduous Teeth Network*

## *as at May 31 , 2018*

| **Income** | **〈 Yen 〉** |
|---|---|
| Capital from the sale of shares: | 21,740,000 |
| Contributions: | 2,119,000 |
| Others: | 63 |
| Donation from the Takagi Fund for Citizen Science: | 800,000 |
| Total: | **24,659, 063** |

| **Expenditure** | **〈 Yen 〉** |
|---|---|
| Measuring equipment LB4200 (part payment): | 10,000,000 |
| Laboratory space refurbishment: | 3,460,104 |
| Legal services: | 40,868 |
| Tax advice services: | 97,790 |
| Laboratory space rent (60,000yen/month): | 452,400 |
| Tax: | 294,305 |
| Wages: | 79,500 |
| Public relations: | 1,788,698 |
| Communications: | 196,566 |
| Sundries: | 46,285 |
| Utilities: | 22,310 |
| Insurance: | 87,540 |
| Bank charges: | 10,476 |
| Venue for shareholders' meeting: | 5,000 |
| Total ： | **16,581,842** |

| **Balance:** | **8,077,221** |
|---|---|

| *** Expenditure Outlook** | **〈 Yen 〉** |
|---|---|
| Balance Payment for LB4200: | 5,000,000 |
| Chemical treatment facility | 3,032,208 |
| Total: | **8,032,208** |