

INTRODUCTION OF THE GREENLIST OF JAPAN

© Tomoko Fukuda¹, Takayuki Kawahara², Atsushi Ebihara¹ and Motomi Ito³

¹ National Museum of Nature and Science, Tsukuba

² Forestry and Forest Products Research Institute, Japan

³ Graduate School of Arts and Sciences, University of Tokyo

E-mail: furudatomoko@gmail.com

It is generally difficult to make a plant list of one country, because of the conflicts of the taxonomic concepts of every taxonomist. However, such plant list will be necessary, as a basic list for study, research and management of the domestic flora.

The “GreenList (Ito et al. 2016, Ebihara et al. 2016)” is a list of wild plants of Japan. It was made as a basic list for the study of rare and endangered plants by the Ministry of Environment. The basic plant list for the Red Data List has been managed by the University of Kyushu. However, because of the international changes of the taxonomic regime into APGIII system, and considering the recent findings and updates on generic concepts, some members of the Japanese Society for Plant Systematics revised the previous list, which was newly published as the “GreenList”.

During the process of taking official scientific names, different taxonomic concepts on the basis of morphology and phylogeny should be considered. The generic ranges were also different according to every taxonomist. In the GreenList, the following generic ranges were adopted:

The genus *Asarum* includes the genus *Heterotropa*.

The genus *Prunus* includes the genus *Cerasus*.

The genus *Rhododendron* includes *Menziesia*.

The genus *Sasa* includes *Sasamorpha* and *Neosasamorpha*.

The genus *Dendranthema* was replaced by *Chrysanthemum* as a result of changing the type specimen.

The “GreenList” also include the newly found plants, not yet officially published, because the list was made mainly for the rare and endangered species. Such plants are followed by “nom.nud.” at the end of the scientific names.

It should be noticed that the GreenList does NOT ensure the scientific names officially recognized, because taxonomic concepts can differ by every taxonomist.

The “GreenList” will be updated, indicating versions. When you use it, please be aware the version number. The list is provided under the license of CC0 1.0 of Creative Commons.

When you need, please cite the list as follows:

GreenList (for angiosperms and gymnosperms)

Ito, M., Nagamasu, H., Fujii, S., Katsuyama, T., Yonekura, Ebihara, A., Yahara, T. 2016. GreenList ver. 1.01 (<http://www.rdplants.org/gl/>)

GreenList (for pteridophytes)

Ebihara, A., Ito, M., Nagamasu, H., Fujii, S., Katsuyama, T., Yonekura, Yahara, T. 2016. Fern GreenList ver. 1.0, (<http://www.rdplants.org/gl/>)

Доклад представлен на седьмой научной конференции с международным участием «Растения в муссонном климате: острова и растения» (26-29 октября 2016 г., г. Южно-Сахалинск)