

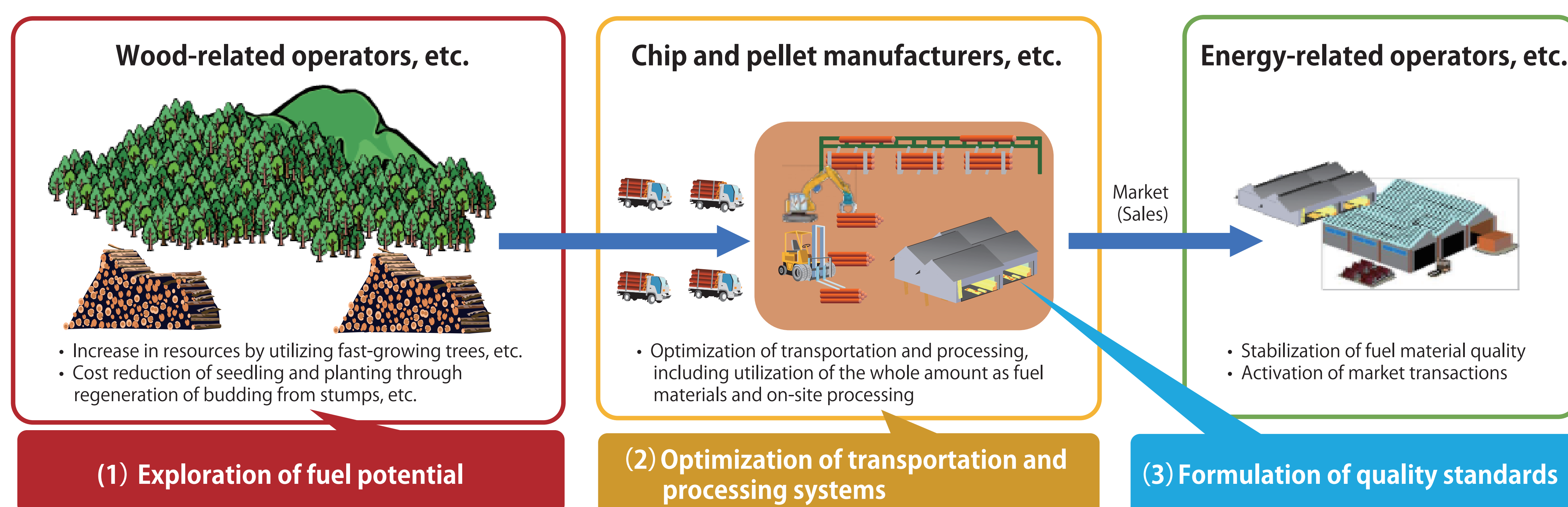
Biomass Energy



Energy forest demonstration project

NEDO aims at the cost reduction, stabilization, etc. of the quality of domestic woody biomass fuel toward the end of FIT.

- (1) Exploration and promotion of the usage of new fuel potential through the utilization of fast-growing trees, unused broadleaf trees, etc.
- (2) Establishment of stable and efficient manufacturing and transportation systems for wood chips and pellets
- (3) Formulation of quality standards to activate market transactions and improve power generation efficiency

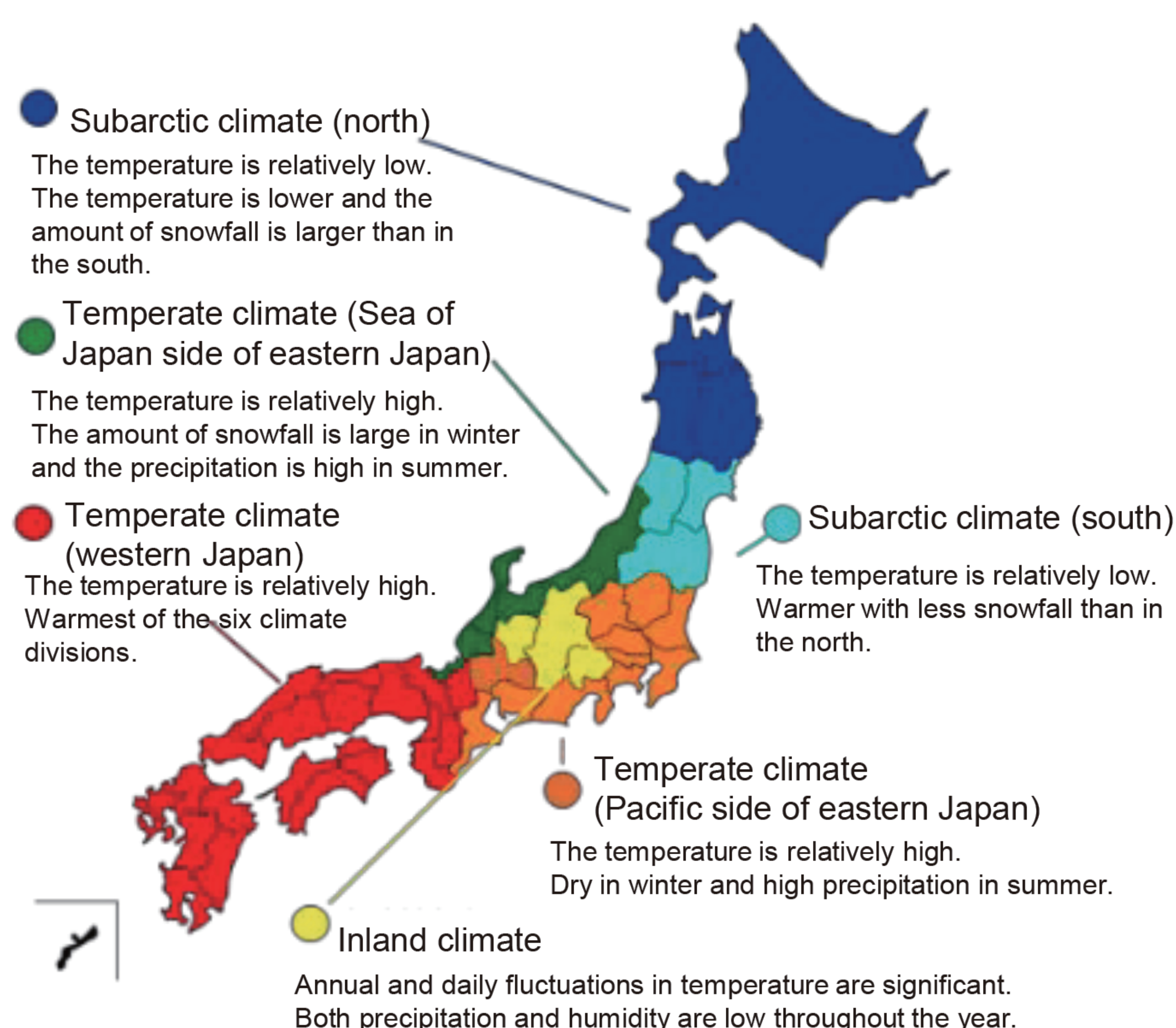


Exploration of fuel potential

NEDO is working on planting, afforestation, etc. of multiple tree species in six climate divisions in Japan.

- Subarctic (north), ● Subarctic (south), ● Temperate eastern Japan (Sea of Japan side),
- Temperate eastern Japan (Pacific side)
- Temperate western Japan, ● NEDO aims to establish technologies which can be widely

used in Japan by selecting trees suitable for afforestation in inland climate and selecting methods for planting, afforestation, logging, and transportation suitable for each region.



Climate classification	Operator/Demonstration site	Tree species
Subarctic climate (north)	JFE Engineering Corporation /Yunicho, Yubari, Hokkaido	Clean larch and Willow
	SHIBATA Industry Co., Ltd./ Ichinohecho, Ninohe, Morioka, Iwate	Willow, poplar, Japanese big leaf magnolia, Tulip poplar, Japanese alder, Empress tree, and Oak
Subarctic climate (south)	JCOAL, Tonokosan Corporation, Furukawa Ringyo Co., Ltd./Iwaki, Fukushima, and Shichikashukumachi, Karita, Miyagi, etc.	Chinese fir, Tulip poplar, and Nepali hog plum
Temperate climate (Pacific side of eastern Japan)	Eco-Green Holdings Co., Ltd./Tomisato, Sammu, and Otakicho, Isumi, Chiba, etc.	Eucalyptus, Chinese fir, Tulip poplar, and Chinaberry
	Environmental Pollution Analysis Center Co., Ltd./Haga, Tochigi, etc.	Early empress tree
	Green Earth Institute*/Otakicho, Isumi, Chiba	Willow
Temperate climate (Sea of Japan side of eastern Japan)	Biomass Power Technologies*/ Odaicho, Takicho, Taki, Matsuzaka, Mie, etc.	Chinaberry and Oaks
	Sakai Forest Union/Awara, Fukui	Chinese fir
	Biomass Power Technologies*/Gojo and Asukamura, Takaichi, Nara, and Ryujinmura, Tanabe, Wakayama	Chinaberry, Oaks, and Willow
Temperate climate (western Japan)	Tokushima Regional Energy/Takarazuka, Hyogo	Regeneration of budding of broadleaf trees
	Japan Investment Adviser Co., Ltd./Sayocho, Sayo, Hyogo, and Kumakogencho, Kamiukena, Uwajima, Ehime	Eucalyptus
	Green Earth Institute*/Tunocho, Koyu, Miyazaki	Willow
Inland climate	Kita-alps Forest owner's Association/Omachi, Nagano	Regeneration of budding of broadleaf trees, Jolcham oak, Chestnut, and Japanese big leaf magnolia

* Green Earth Institute and Biomass Power Technologies performed demonstration in two climate divisions