

# 木造化でつながる都市と農山村

## Constructing a Timber Future for Urban and Rural Settlement

IIS, the Univ. of TOKYO  
NPO team TIMBERIZE

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NPO team **TIMBRIZE**

**KOSHIHARA Mikio**





The forest area in Japan is approximately 25 million hectares, or 67% of Japan's land area, or two-thirds of the country's total land area.

The number of tree species that can be used in construction is limited. For example, **cedar, cypress, pine**. Unfortunately, material performance is not very high.



Inadequate management of forests planted after the WWII.  
We want to harvest and utilize forest resources.



Log



Sawn Wood



Detached wooden house

集成材 (Glued Laminated Timber)



CLT (Cross Laminated Timber)



LVL (Laminated Veneer Lumber)



合板 (Plywood)



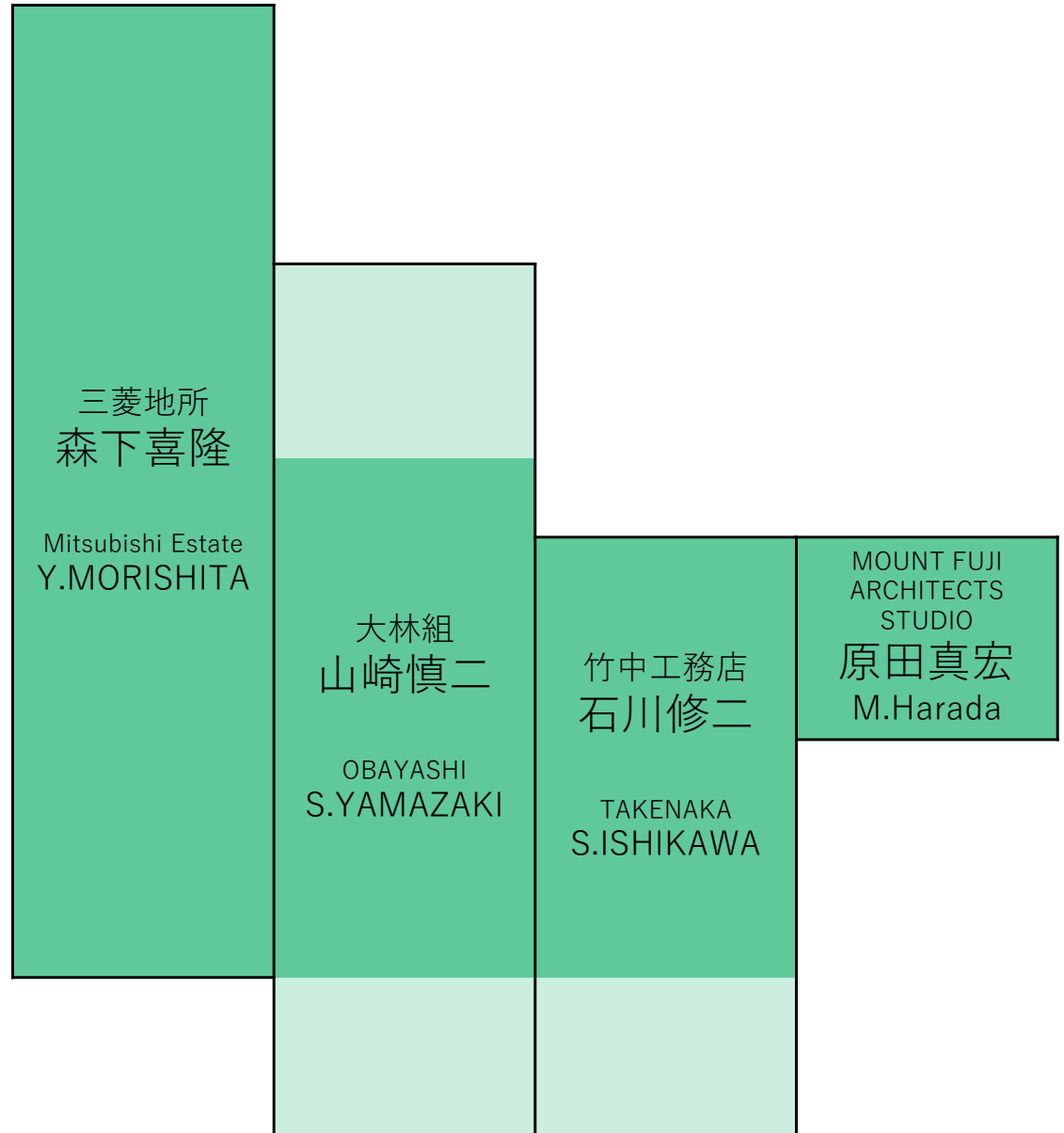
林業  
Forestry

木材工業  
Wood industry  
Manufacturer

建設 Building	設計 Architectural Design
	施工 Constructor

再使用  
Reuse

廃棄  
Disposal







1000m<sup>2</sup>

3F

moeshiro

Gluelam  
LVL  
CLT



TAKENAKA

Town hall

集合  
住宅

Elderly  
Facilities

MITSUBISHI



Detached  
house

Sawnwood

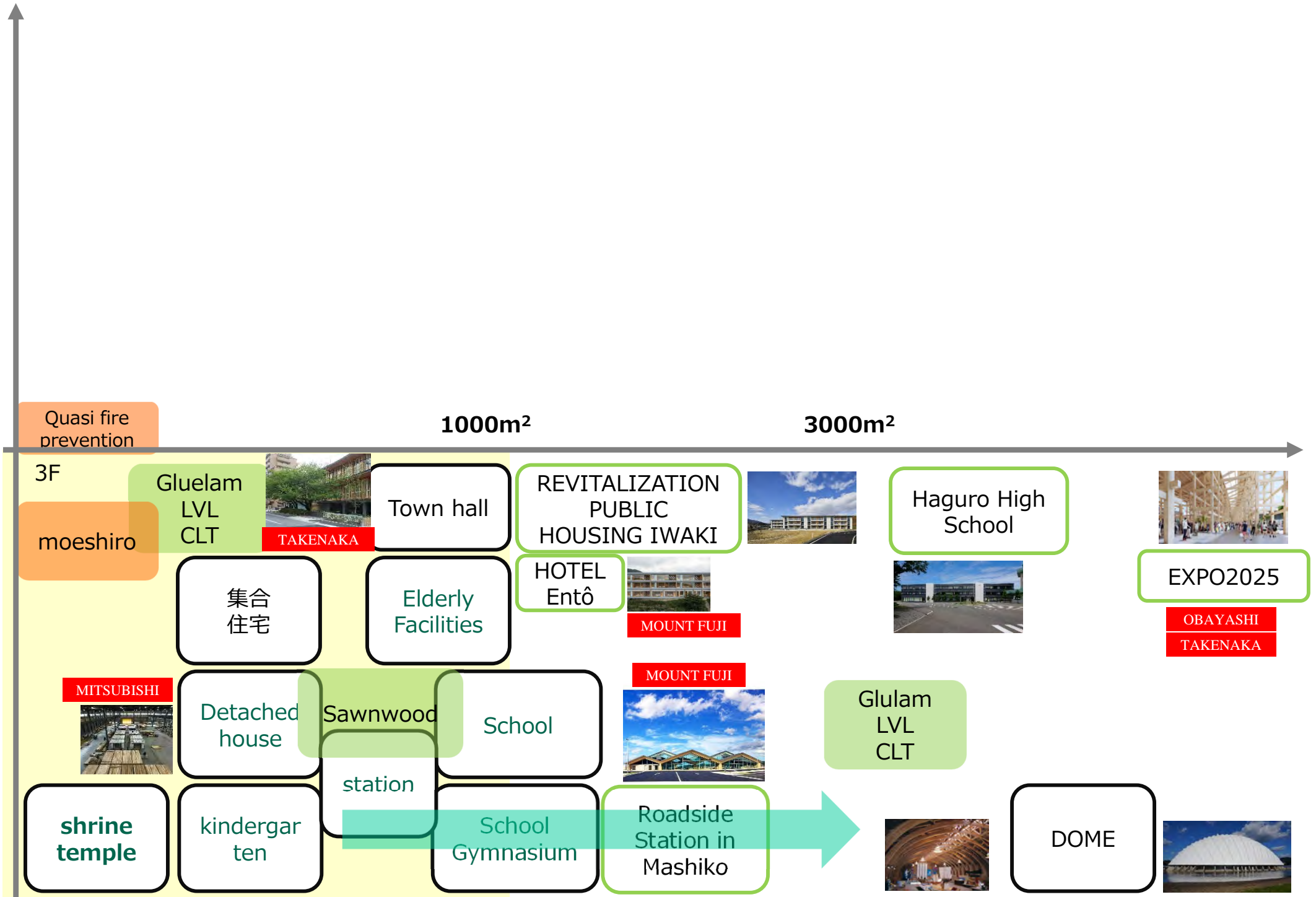
School

station

shrine  
temple

kindergar  
ten

School  
Gymnasium





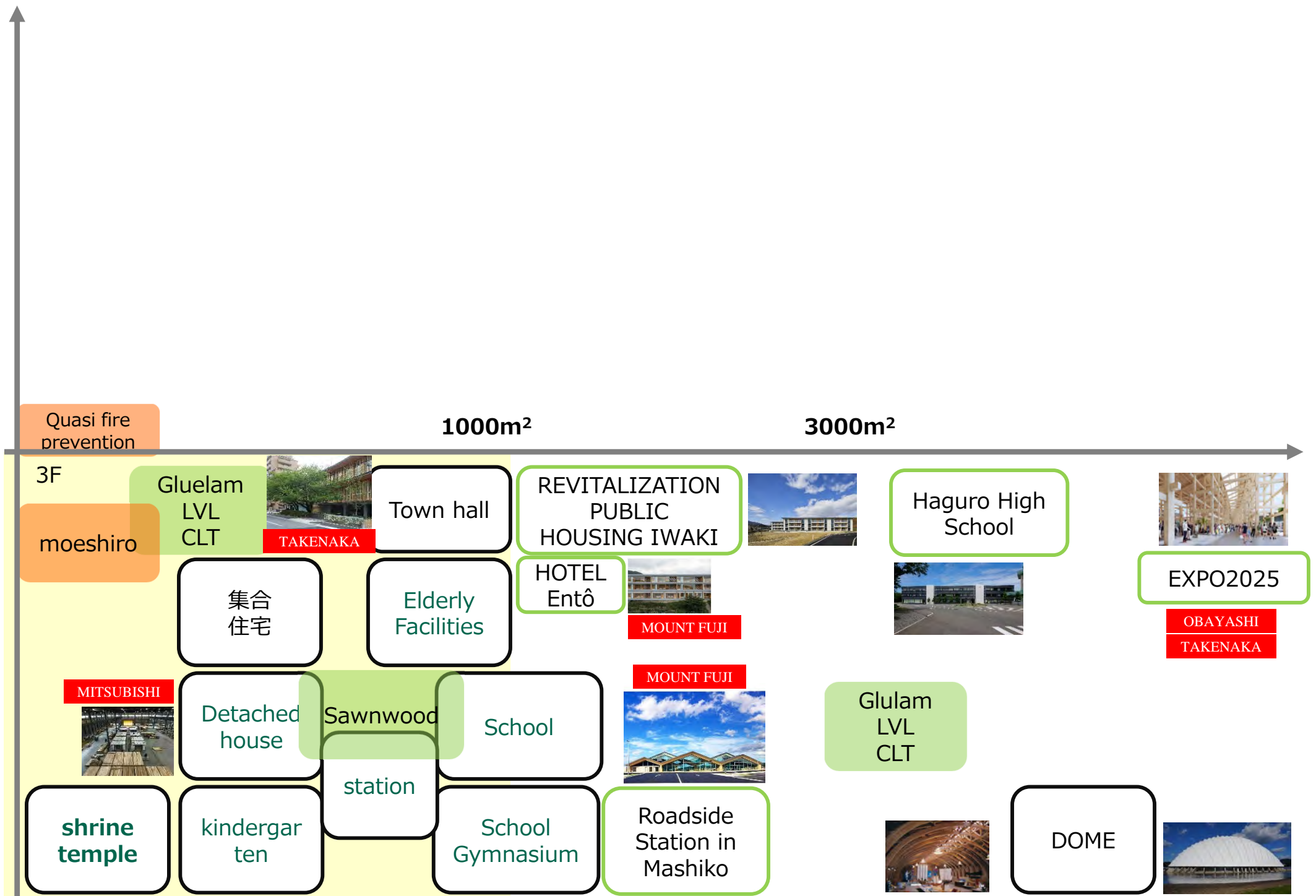
Makino museum (KOCHI)

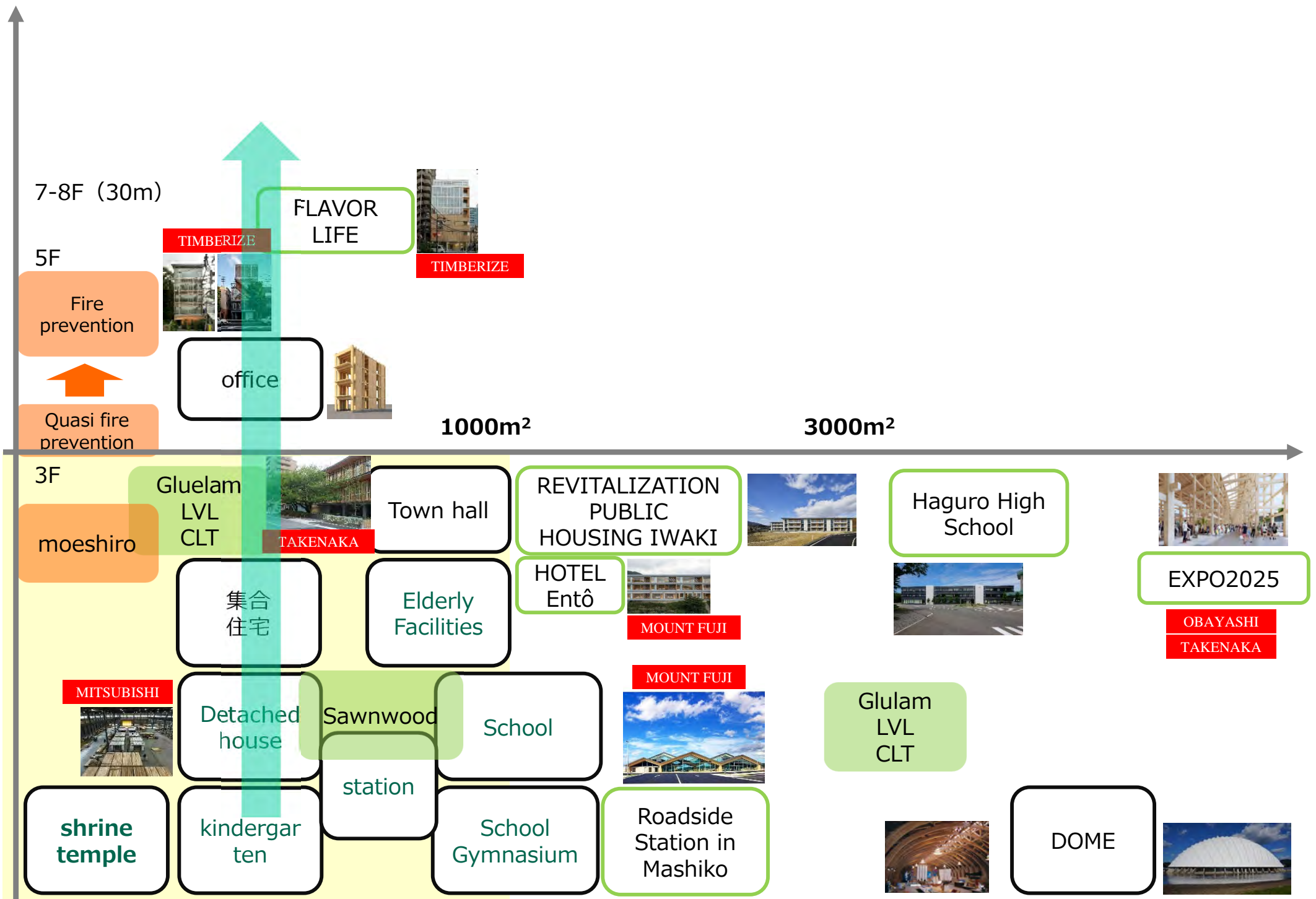


Odate Jukai Dome (AKITA)



Ehime Budokan (EHIME)







2005



2013



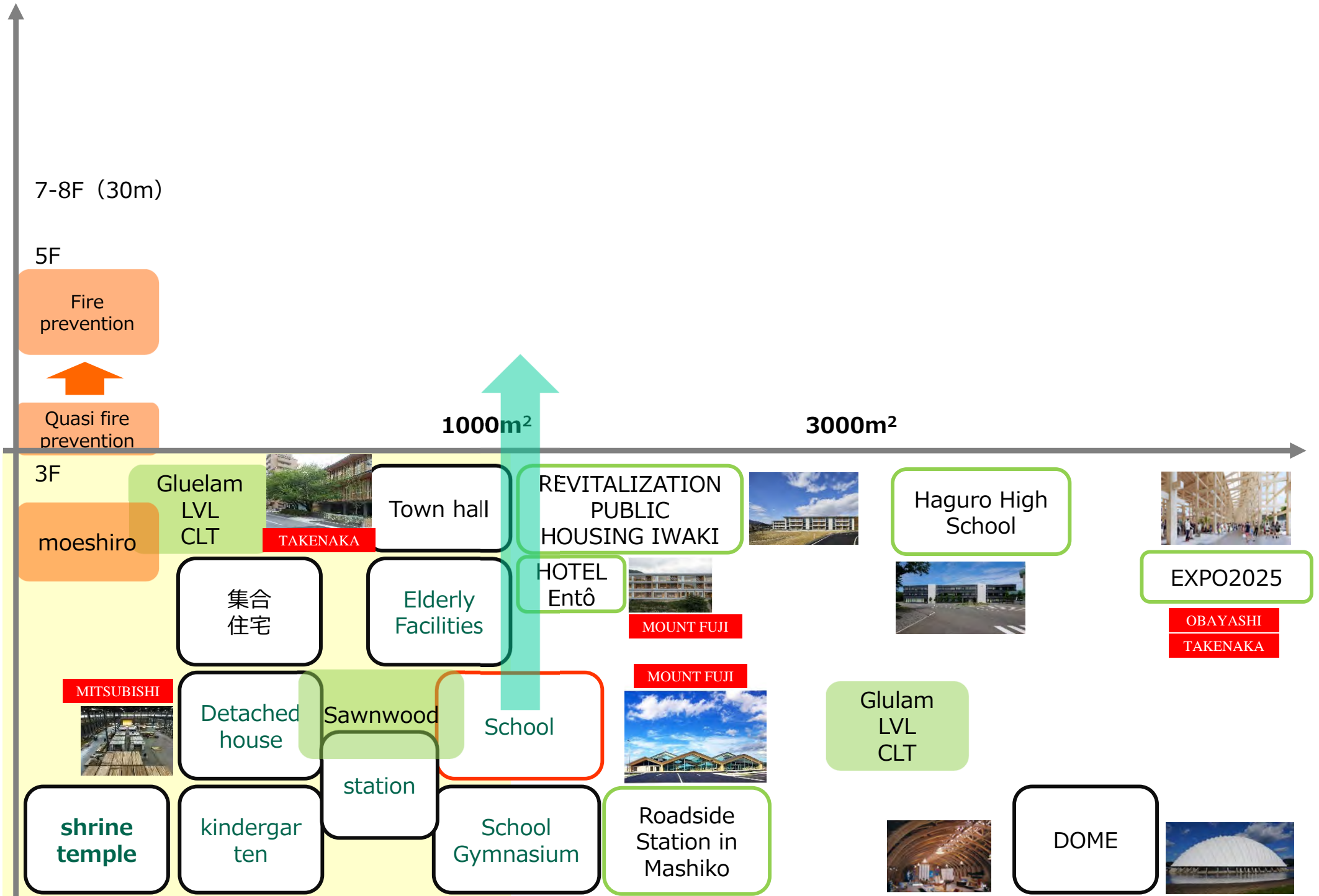
2016



2017



2019









OGUNI dome (1988/KUMAMOTO)



Eishin School (1984/SAITAMA)



Yamaga School (2013/KUMAMOTO)



Kahoku School (2013/Kumamoto)



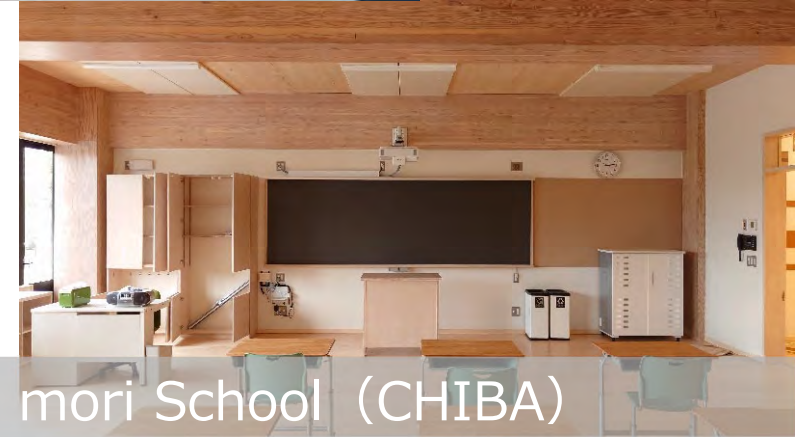
3 story  
Sawn wood



3 story  
LVL



Hoshinomori School (TOYAMA)



Oguro no mori School (CHIBA)



3 story  
CLT



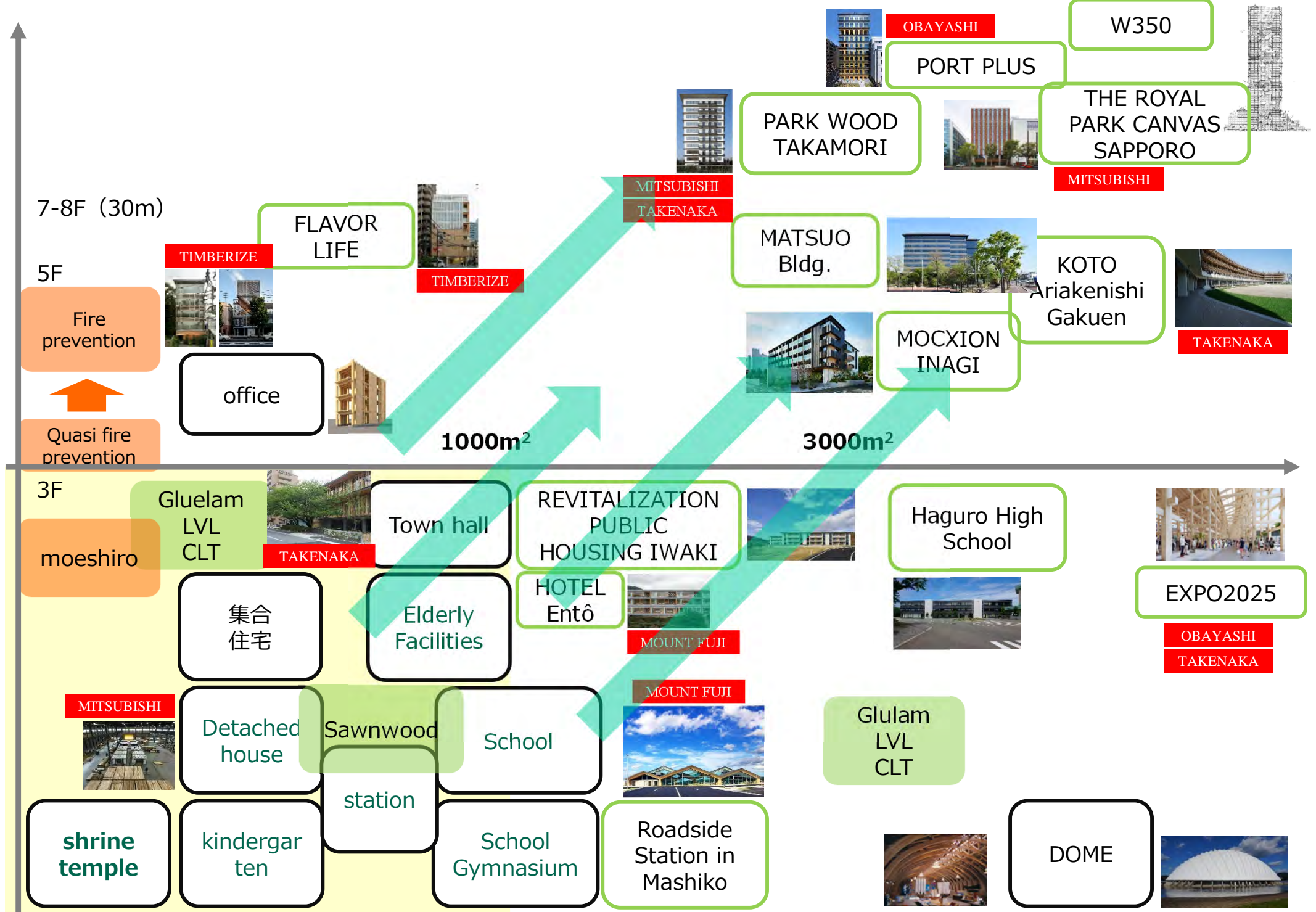
5 story  
Glulam



Kochi gakuen univ. (KOCHI)

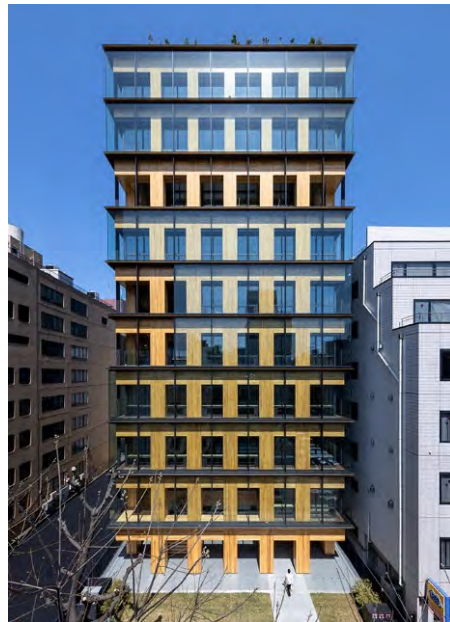


Ariake-nishi Gakuen School (TOKYO)





2019

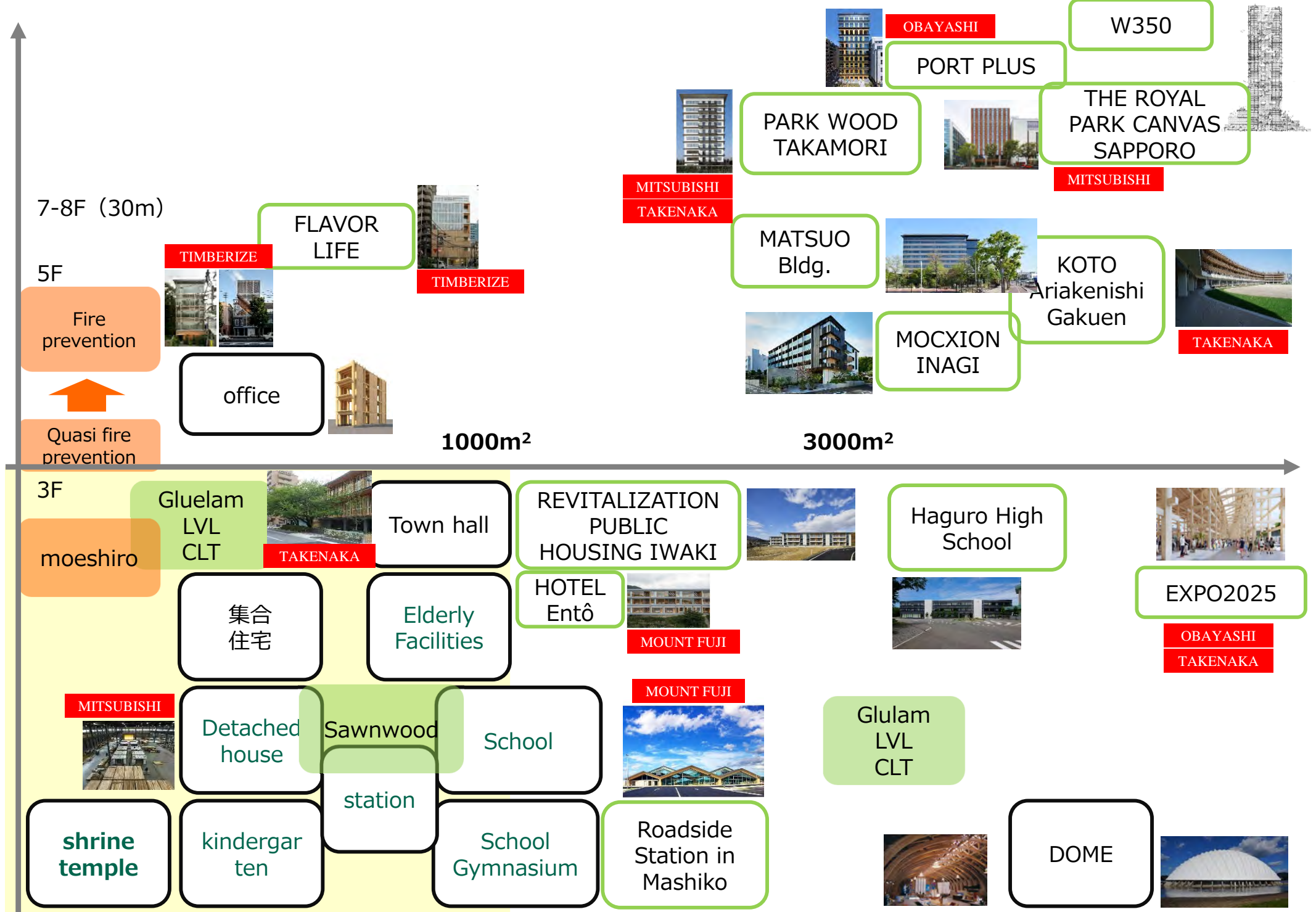


2022



2028

# Timber building



林業  
Forestry



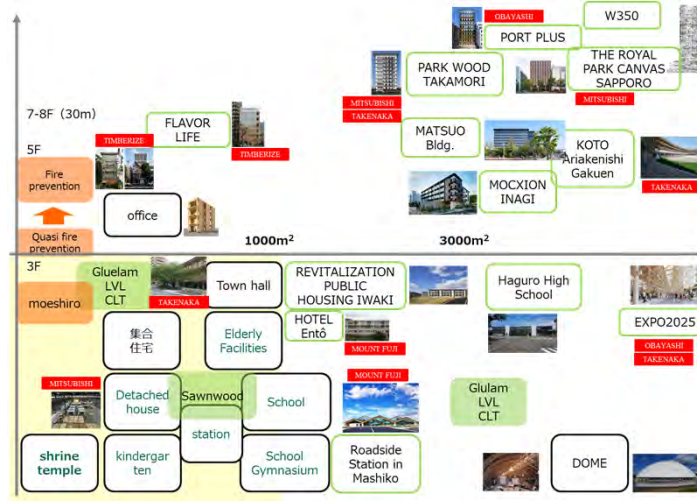
Soft wood  
Hard wood

木材工業  
Wood industry  
Manufacturer



Log  
Sawn wood  
Plywood  
Glulam  
LVL  
CLT

建設 Building	設計 Architectural Design
	施工 Constructor



Size  
Use

再使用  
Reuse

廃棄  
Disposal