# Development of effective technologies for the use of currently

### Urban Planning Department, Building

At the NILIM, in the General Technological Development Project<sup>\*</sup> Development of Effective Technologies for the Use of Currently Available Buildings Through the Rationalization of Fire Safety and Evacuation Regulations (2016-2020), necessary technologies are being developed to rationalize and streamline the application of fire safety and evacuation regulations, as well as regulations on building uses under the Building Standards Act to respond to social needs. Some of the research outcomes were reflected on legislative revisions (the revision of the Building Standards Act in 2018).

### Social background and challenges

- Local governments and private businesses are expecting to effectively use already available buildings, such as historical buildings that remain in their regions, for regional revitalization and tourism promotion.
- To enable smooth progress of such activities, necessary technologies need to be developed to rationalize and streamline fire safety and evacuation regulations and regulations on building usages.

## Development of technologies to ensure fire safety in individual buildings and urban areas

#### Rationalization of fire safety and evacuation regulations for individual buildings



#### PRelevant articles

About the Law to Amend Part of the Building Standards Act (2018, Law #67)

http://www.mlit.go.jp/jutakukentiku/build/jutakukentiku house tk\_000097.html

-Development of effective technologies for the use of currently available buildings through the rationalization of fire safety and evacuation regulations -Various ideas to preserve and utilize historical streetscapes

\*General Technological Development Project: A system to comprehensively and systematically implement research through the cooperation among the industry, academia, and government under the initiative of the administration section by selecting especially urgent themes that are also applicable to a wide range of fields among important research themes related to construction technologies