### History of the River Act

1896

Birth of modern river management system

Flood management

1964

**Establishment of systems** for systematic flood management and water utilization

- · Introduction of integrated management system for river systems
- Establishment of water utilization rules and regulations

Flood management + Water utilization

1997

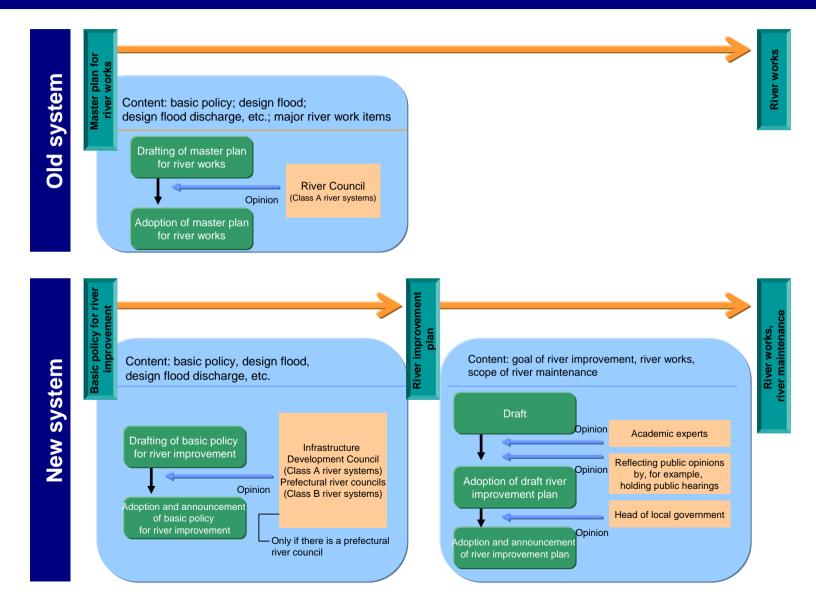
**Establishment of integrated** river management system for flood management, water utilization and environmental conservation

- · Improvement and conservation of river environment
- · Introduction of a system for river planning reflecting the opinions of local community

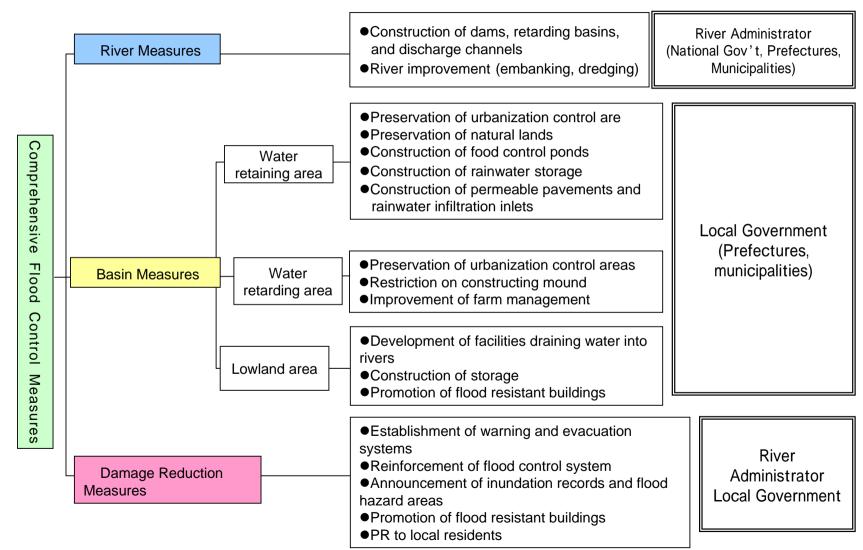




## Transition from the old system to the new system due to the River Law amendment



### System of Comprehensive Flood Control Measures



# Outline of Law on Measures against Inundation Damages in Designated Urban Rivers

Structural measures Non-structural measures against flooc from rivers Measures River Law Flood Control Law (Prevention of flood) (Countermeasures against flood when it occurs) Law on Measures against Inundation Damages in Designated Urban Rivers Because previous each law has limited enforcement, this law strengthens around rivers against flood countermeasures and assures flood control in river basin. Measures Sewage Law City Planning Law

### Designate urban river (basin)

- ·Urban area covers more than 50% of river basin
- · Average annual damage (occurred or predicted) exceeds 1 billion yen (=\$10mil)
- ·Because of urbanization, it is difficult to control flood by constructing river facilities or flood control dams

#### Formulate river basin flood control plan

·4 members (river and sewage administrators, governors, and mayors) make the plan together

#### <u>Implementation of measures</u>