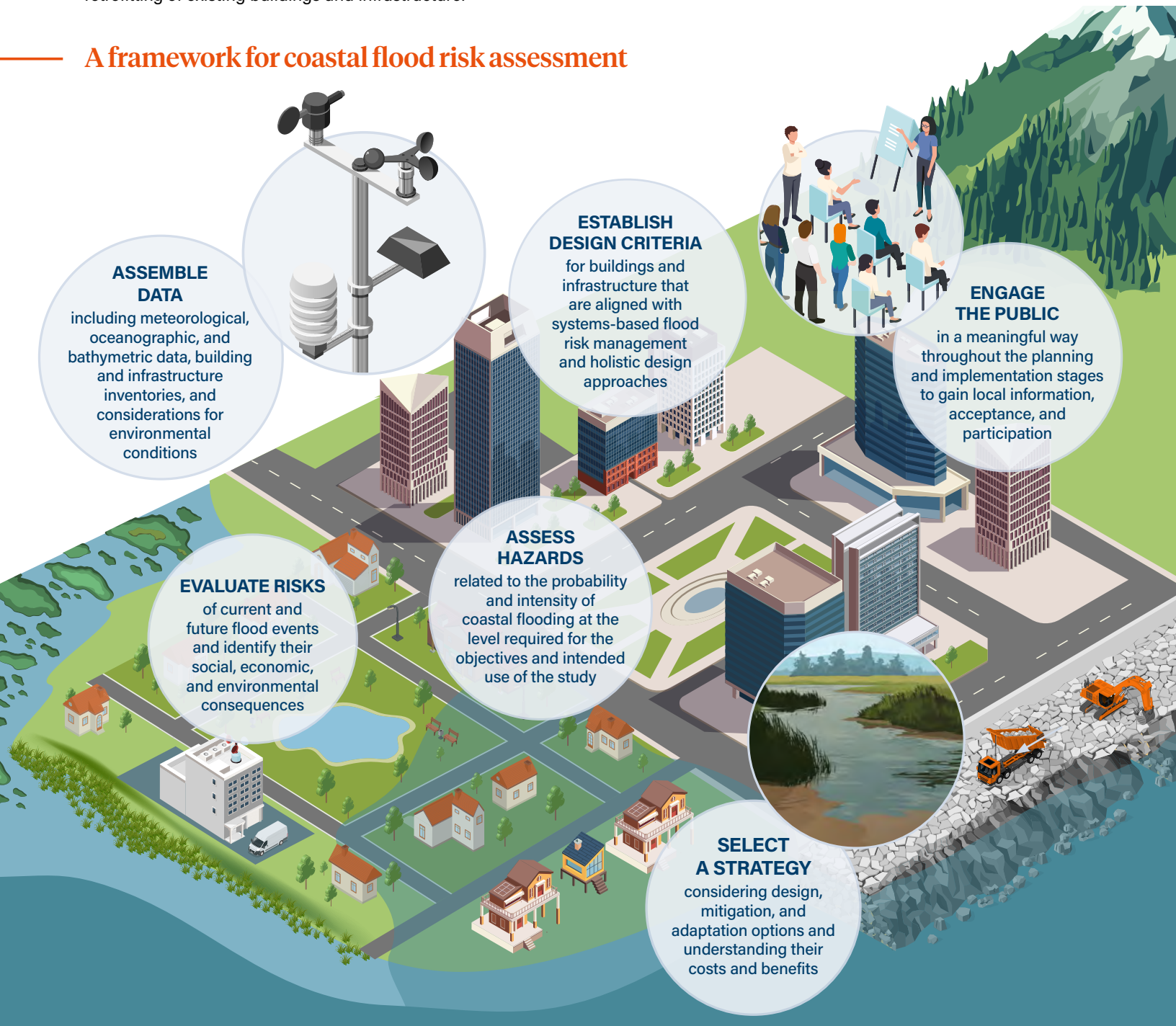
Helping protect communities from coastal floods

CSA W224:24, *Coastal flood risk assessment for buildings and infrastructure*

Buildings and infrastructure on Canada's marine coasts and large lakes can be at risk of flooding caused by tides, storm surges, waves, and tsunamis – a vulnerability further exacerbated by development and population growth, land subsidence and erosion, and changing climate patterns. Communities in these areas are encouraged to assess the risks and recalibrate their urban planning and development approaches to enhance their flood resilience and protect lives, property, and the environment.

The new National Standard of Canada, CSA W224:24, is a useful tool for municipalities, infrastructure professionals, and other interest groups conducting flood risk assessments for buildings and infrastructure in coastal areas. The standard can help them collect information that can guide future municipal planning and adaptation measures, including the design of new buildings and the retrofitting of existing buildings and infrastructure.

A framework for coastal flood risk assessment



Who should use the standard?

- Designers, engineers, and retrofitting professionals
- Building and infrastructure owners
- Community planners
- Authorities responsible for coastal resilience measures
- Municipal, provincial, territorial, and federal governments

Adopting the requirements and recommendations of the standard CSA W224:24 can help:

Improve consistency

of assessing coastal flood risks across Canada

Support proactive strategies

in the design and adaptation efforts to reduce damage to critical infrastructure

Develop regulations and policies

at the municipal, provincial, territorial, and federal levels to strengthen flood resilience

Support decision-making

at all levels of government related to strategic development, emergency planning, and disaster management

Save costs

by reducing the financial impact of coastal flooding

Get view access to CSA W224:24

csagroup.org/store
environment@csagroup.org

For more on CSA Group research and standards for improved flood resilience of communities, visit www.csagroup.org/FloodResilience

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