

## **Preparing for Natural Disaster of Earthquake and Tsunami Using Lesson Study**

### **Proposed Common Standards:**

To develop E-textbook/teaching materials through lesson study that

- focus how mathematics can help teachers and students to think about and be prepared for natural disasters
- use problem posing and mathematics to identify key questions, problems, and issues and to find possible solutions
- are adaptable to schools in different APEC member economies
- integrate knowledge of local information, contexts, history, and circumstances
- are based on a range of scientific, social, and economic situations
- are specific about key mathematics ideas and approaches
- are appropriate to the different needs of students in elementary, junior high schools, and senior high schools