

Education for risk reduction and Safer schools in Japan

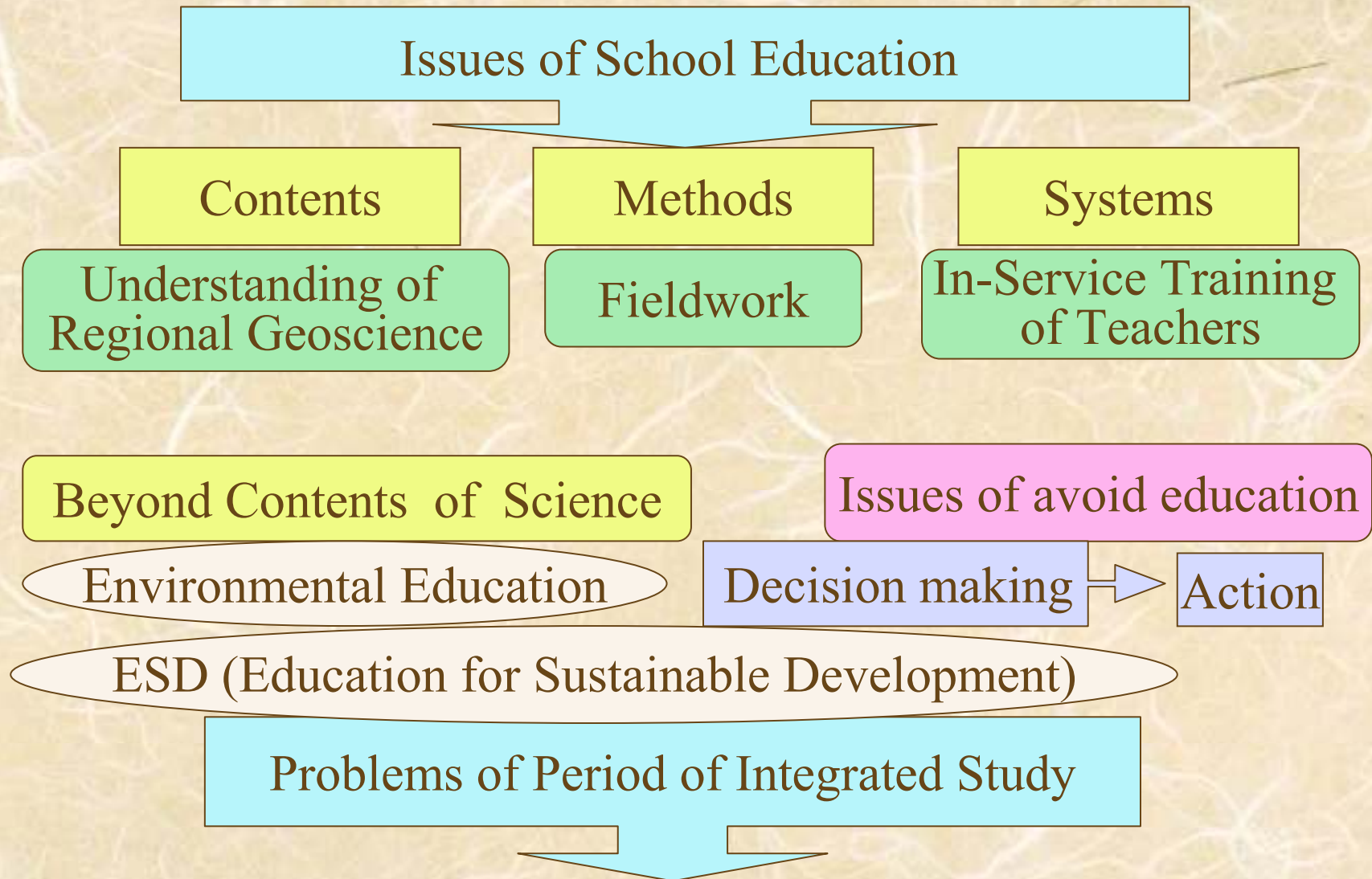
- Development of teaching materials and
methods concerning natural disasters from the
viewpoint of educational partnership -

FUJIOKA, Tatsuya Graduate School of Education,
Joetsu University of Education, Japan

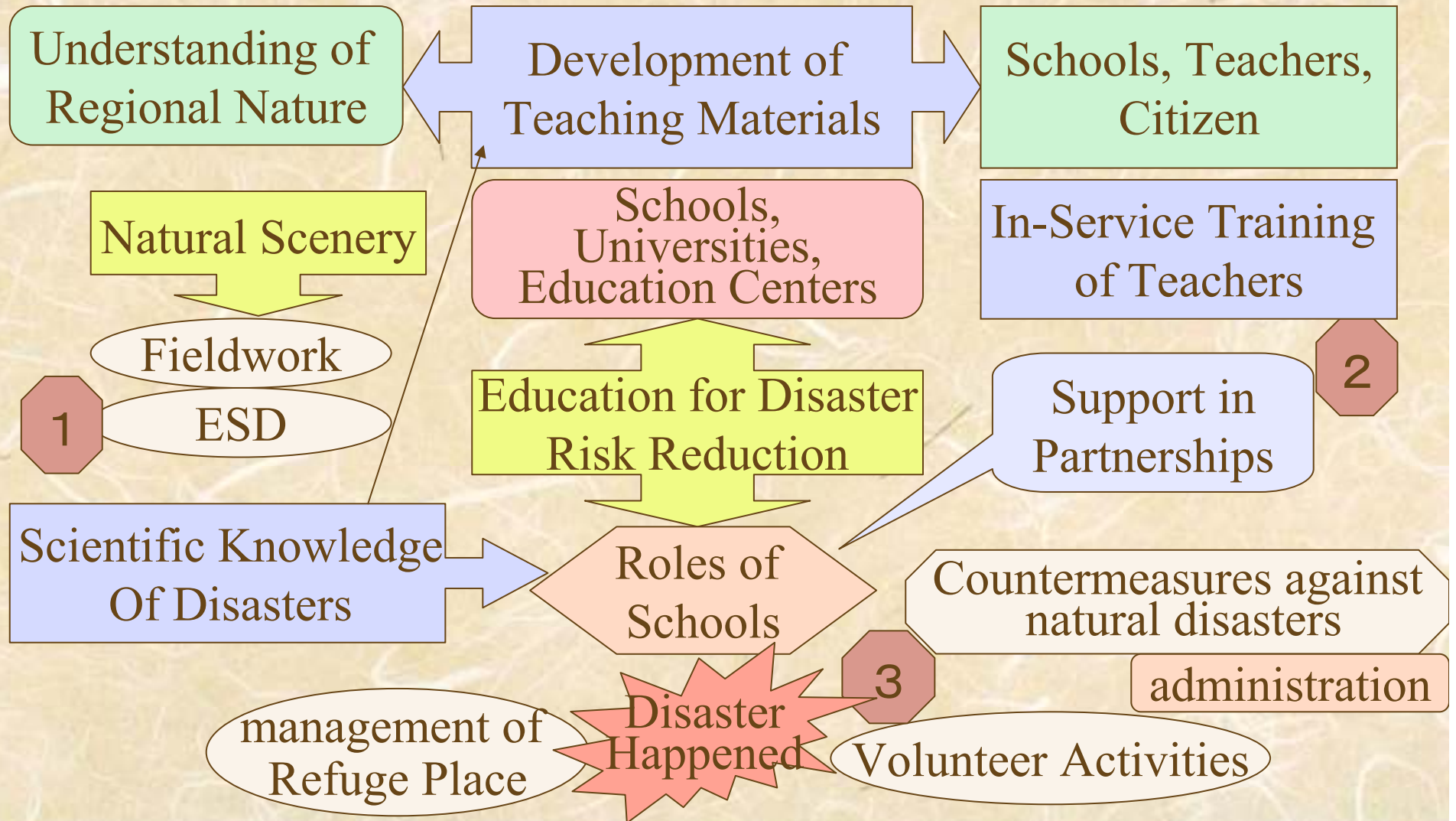
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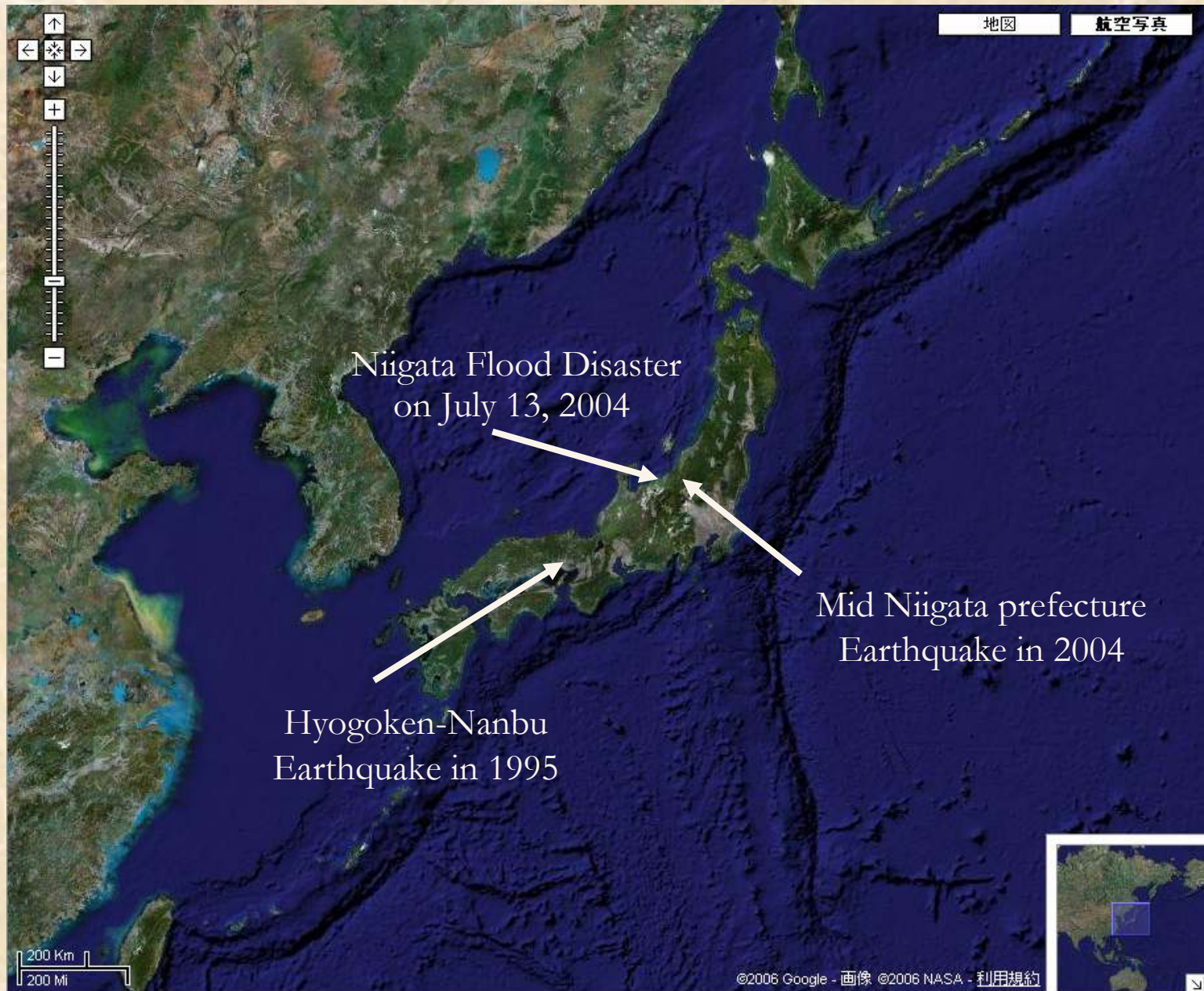
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in School Education
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“Period of Integrated Study ” in Japan
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Issues of Treating Disasters in School Education



Understanding of Regional Nature and Roles of Educational Institution





Hyogoken-Nanbu Earthquake in 1995

Modern City like Kobe were attacked by earthquake.



Over 6000 people were killed in this earthquake.

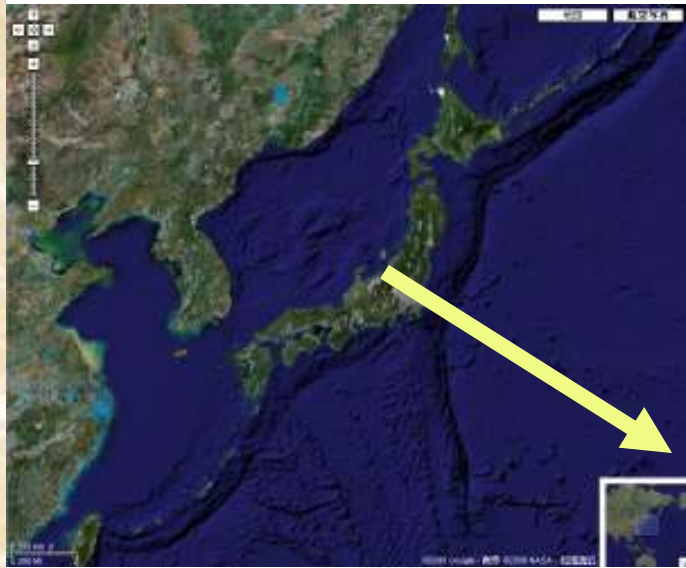


Not only wooden houses, but also railways or high-ways were damaged.

Mid Niigata prefecture Earthquake in 2004



Kawaguchi in the Mid Niigata prefecture



Niigata City

Nagaoka City

Ojiya City

EPICENTER

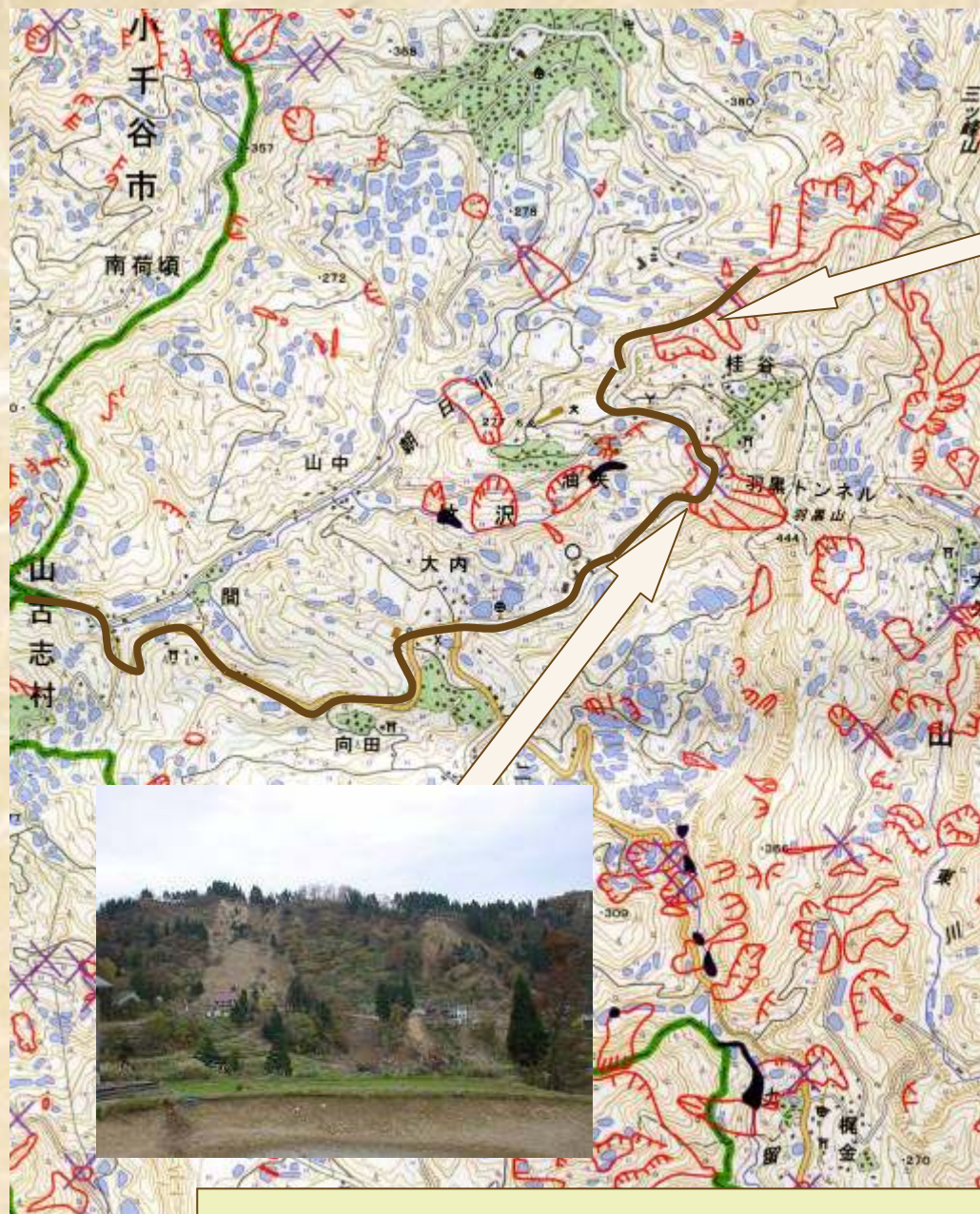
Joetsu City

Kawaguchi

Yamakoshi Village



Terrace made by faults



Landslip in Yamakoshi, Niigata

Natural Scenery

Natural Phenomenon

Natural Disasters



Rice Field called Tanada

Collapse by Landslip





Primary School

A flooded district

Broken Bank

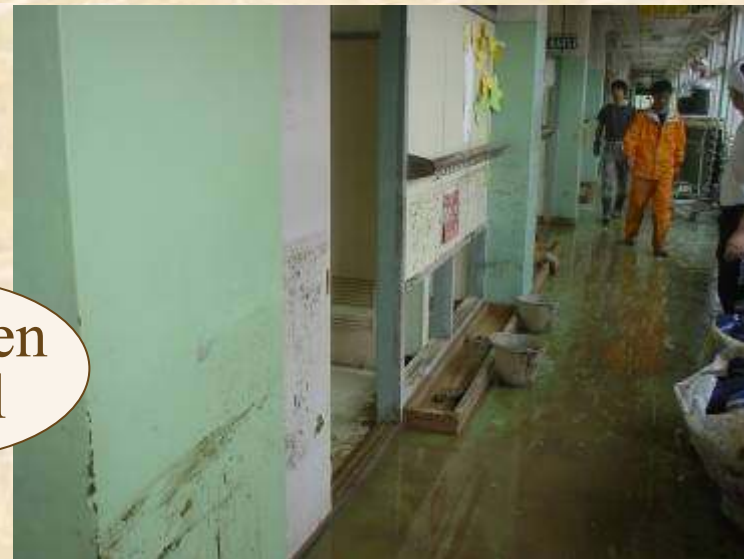


the Niigata Flood Disaster on July 13, 2004”
occurred at Sanjou City (By Niigata Nippo)

Topography

Natural Phenomenon

Flood Disaster



A stricken
school



Voluntary Activity

Opportunity of Learning
Natural Disasters



“the Niigata Flood Disaster on July 13, 2004”



After Mid Niigata
prefecture Earthquake
Primary School
2004.11



There were many kinds of voluntary activities in stricken schools.



Forum of the students after the Earthquake

(2004・11・16)



Educational Activities in 2005



At the Primary School damaged by the Earthquake



Partnership between museum and schools

Landslide and Landslip in Joetsu City



(2005.10)



(2005.10)



Snowslide (2005.4)



(2005.10)

Development of Education Program

—From the Viewpoint of Avoid Education for natural Disasters—

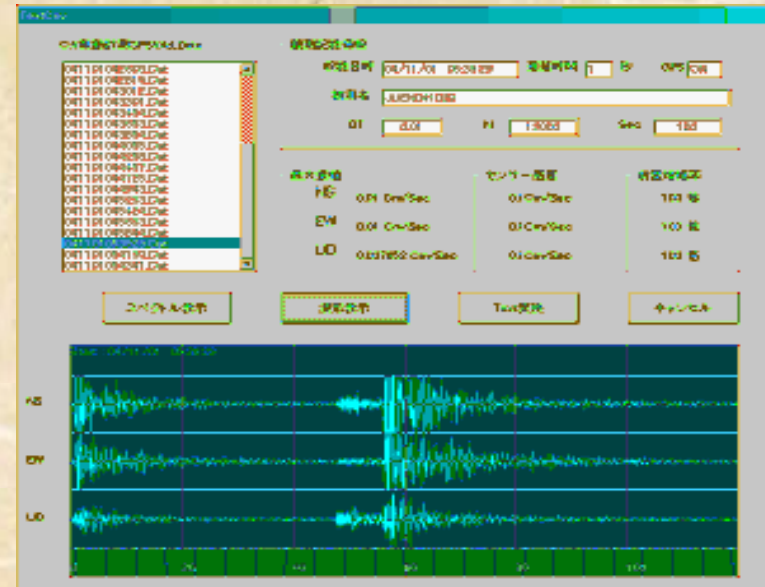
Contents Understanding of Regional features
Countermeasures against disasters, Earthquake in Niigata

Methods Experiments, Observation, Fieldwork
“Period of Integrated Study”

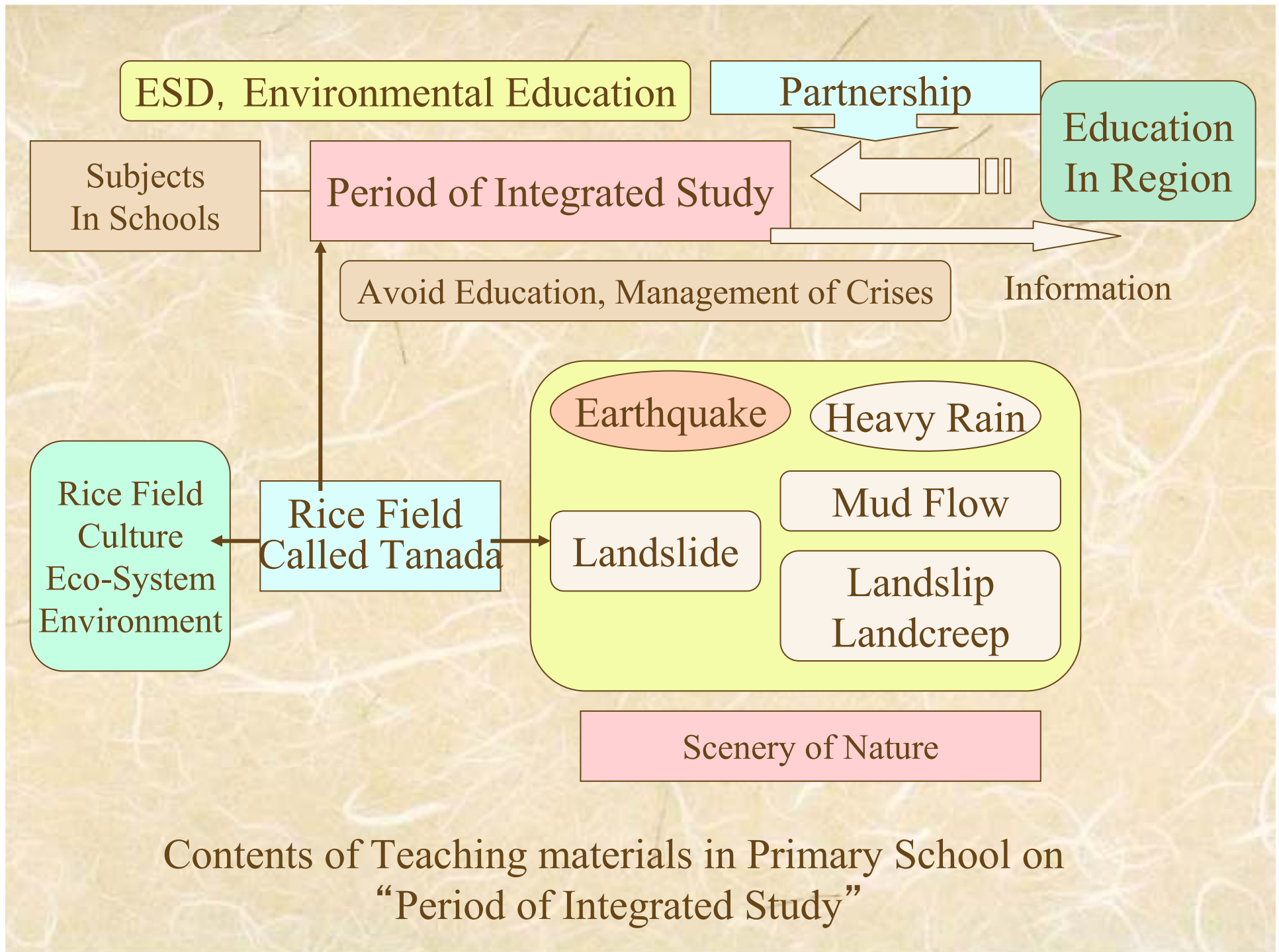
Partnership Parents and Teachers
Primary School and University



Lesson in Primary School in Joetsu



Practice in Primary School in Joetsu City



In-service training of teachers in 2007
(Tokyo, 5/30–6/1)
On National Center for Teacher's
Development in Japan

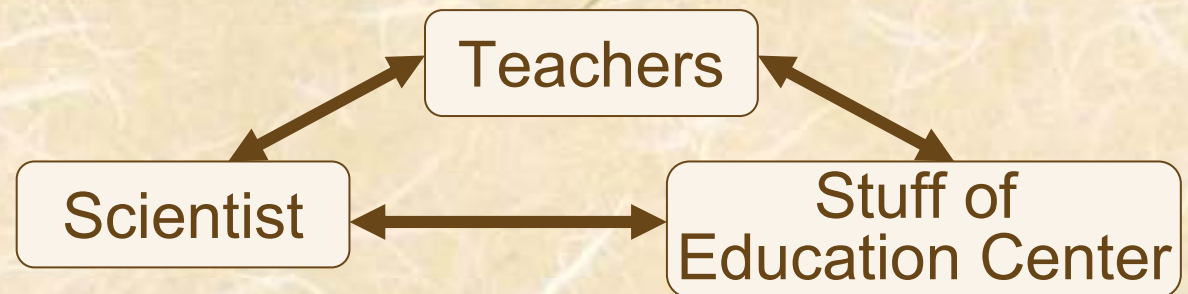


After Hyogoken-Nanbu Earthquake in 1995



Rokko-Fault

Small Fault in Granite



Science Partnership Program in the in-service field training of teachers around the Rokko Fault



Many trainees in this program learned about natural landscape and natural disasters.

Issues

Natural Disasters

Natural
Features

States and Problems
Of Area

Understanding
Of Region

ESD (Education for Sustainable Development)
(Recognition of Environmental Problems)

Partnership
Between
Region and
University

Management of Crises

Natural Resources

Understanding of “from Regional Issues to Global Problem”

Science Education

Limits

Issues

Development of Teaching Materials
Relation between Nature and Human Life
Consciousness and Action for Disasters
Carrier Education in Schools

Modern Educational Issues

Environmental Education,
ESD (Education for Sustainable Development)

Period of Integrated Study