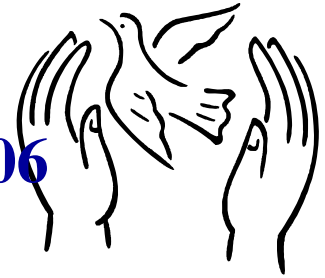


**World Health Organisation
Western Pacific Region
Nursing and Midwifery Leadership Summit 2006**



**A Challenge in Developing the
Center of Excellence for Disaster Nursing**

**University of Hyogo
College of Nursing Art & Science
Noriko Katada, RN, DNS□**



21st Century COE Program

**Ministry of Education, Culture, Sports, Science, &
Technology of Japan**

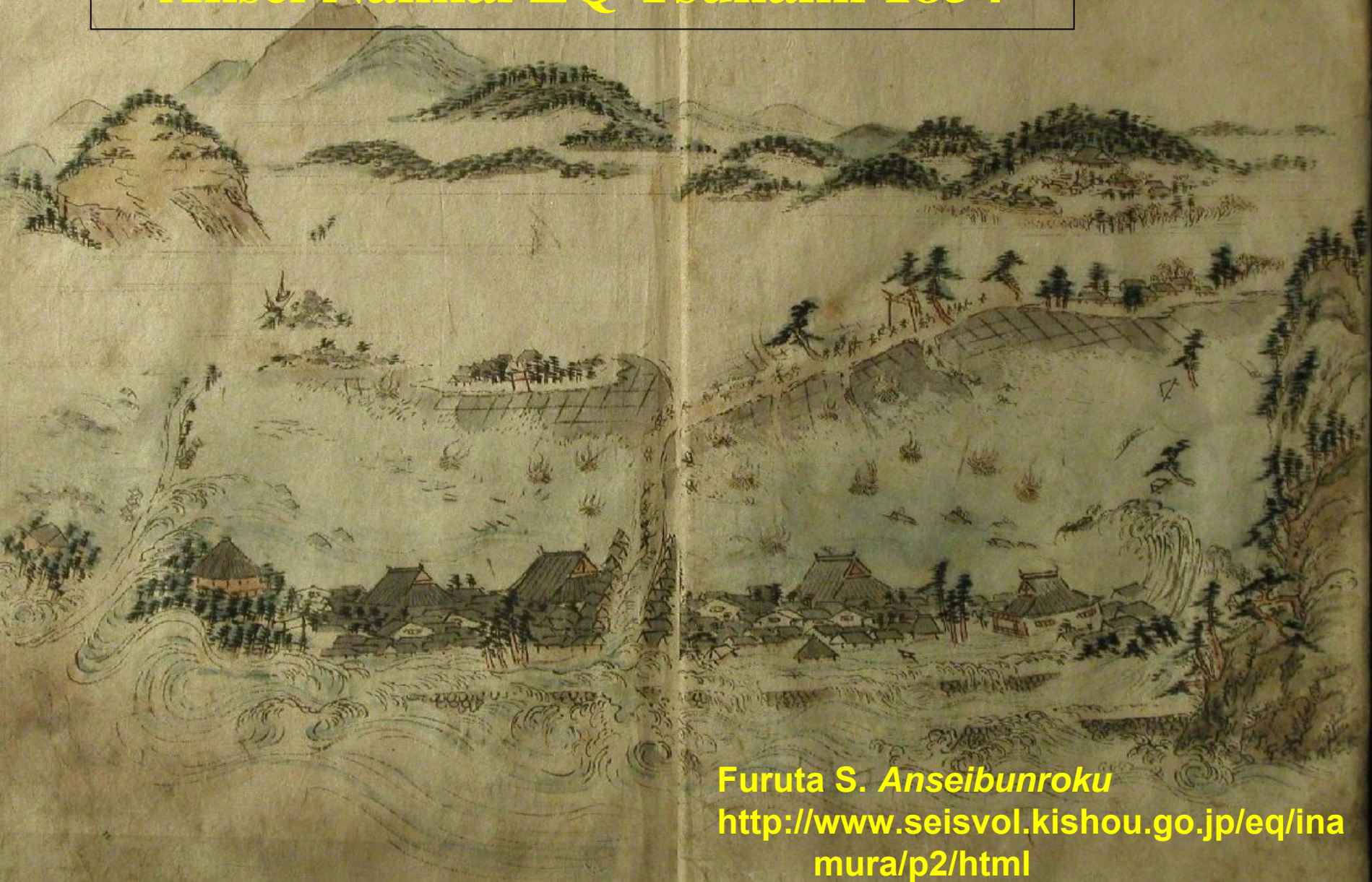
Started on: 2002

A Policy for the Structural Reform of Universities

**To cultivate a competitive academic
environment**

**To raise the level of research and foster
creative individuals who can lead the world in
the academic field**

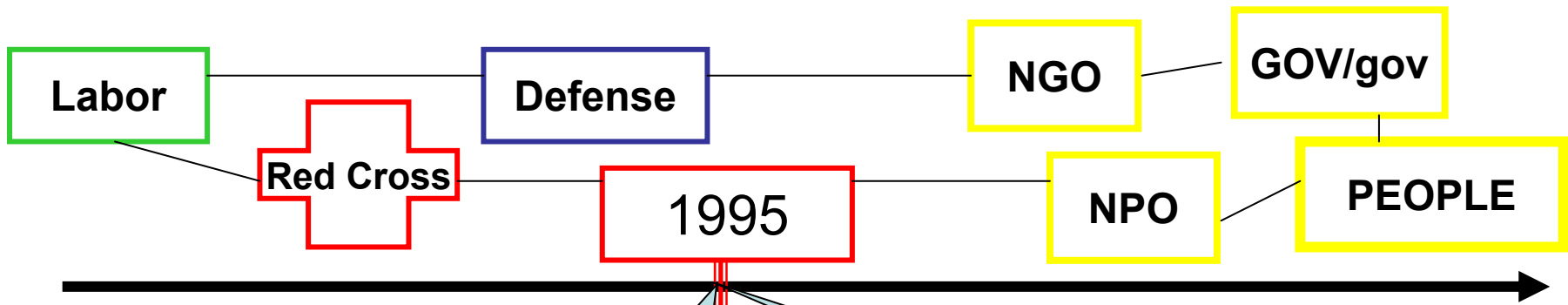
Ansei Nankai EQ Tsunami 1854



Furuta S. Anseibunroku
<http://www.seisvol.kishou.go.jp/eq/inamura/p2/html>
<http://www.jma.go.jp/jma/indexe.html>



Why: Disaster Nursing?



**Human Inflicted
Mass Casualty Incidents
 War
 Plain Clash
 Ship Wreckage**

**Nature Inflicted
Mass Casualty Incidents
 Earth Quake/Tsunami
 Volcano Eruption
 Typhoon/Flood**

**Hanshin
 Awaji EQ**

**Sarin Gas
 in Tky**

- Hospital Affected
- Nurses worked with the People
- Nursing Academic
- Professional Org.
- Care for Caregiver

**Revisited Nursing
 role at the time
 of disaster cycle:**

**Mid- to Long-
 Net Working
 Preparedness
 Education
 Research**



Why: Disaster Nursing?

Threats to Life

Mental Anguish

**Unstable Feeling of
Security & Safety**

**The Disruption
Of Life &
Society**

Minami et al. □2005□

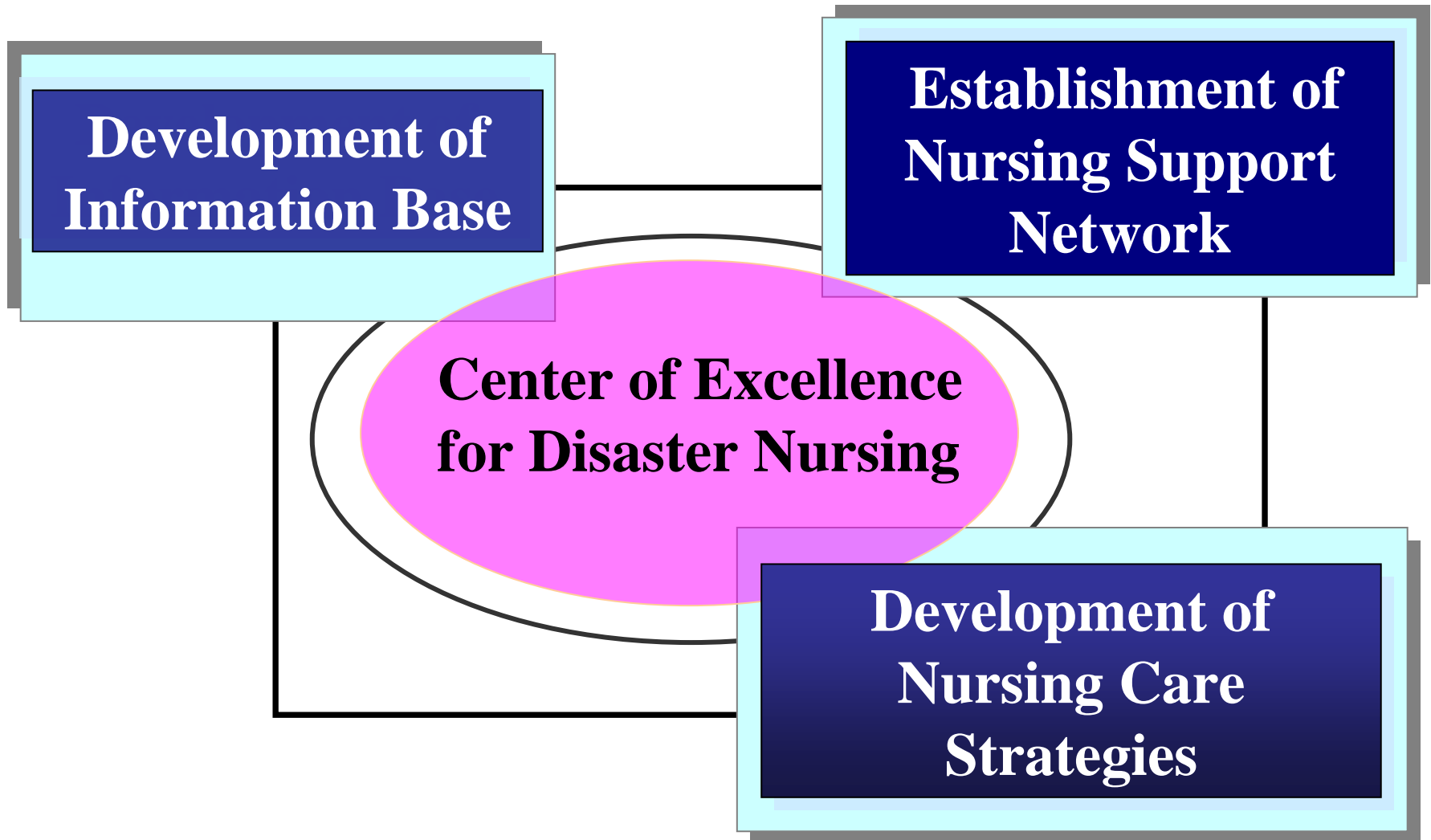
The Aims of the Program

- **To develop nursing care strategies and establish information and human support networks in order to minimize the affect of disasters on the health and life of people.**
- **To develop self-care abilities of communities and individuals to independently regenerate and recover from the consequences of disasters.**





Structure of the Program





Information Base Project(1)

Development of
Information Base

Establishment of
Support Network

•Participatory community
support network

•Database
•Data Mining
•Information
System
•Internet

- Database Accumulation
- Data Mining/ Warehousing
- Information Distribution System
- Internet Tool Development

Support

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programs



Network Project(2)

Development of
Information Base

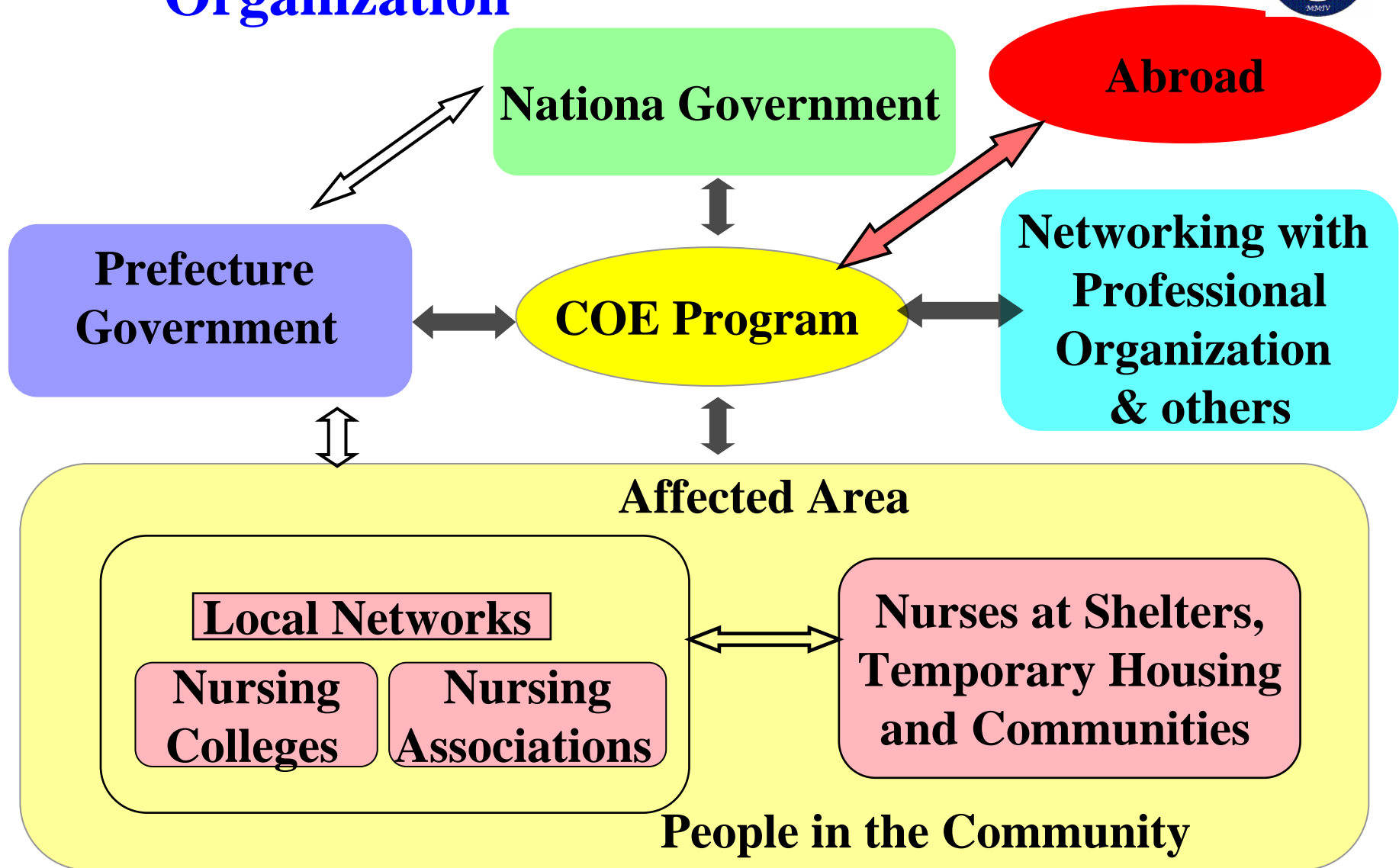
Establishment of
Support Network

Professional nursing support
network

- Participatory community support network
- Professional nursing support network
- International disaster nursing network

programs

Network Building/Coordination with Other Organization



Nursing Care Strategies

Project(2)



•Nursing Care Method Development

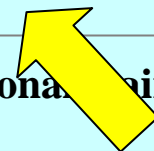
Persons with various health needs
and requiring considerable supports

At affected sites, shelters, homes,
and medical facilities

Immediate, mid-term, & long-term

•Education and Training Development

Develop educational training programs





Inadequate Disaster Preparedness



1) Individuals level:

Inadequate stockpiles (emergency rations & daily supplies) / No provision for disrupted family communication or medical consultation during a disaster / No home safety plan (secured furniture, etc.)

2) Nursing Staff level

Inadequate stockpiles (medical supplies, water, etc.) / No links to other medical facilities - Care giver do not need and should not get any help/ No contingency plan for utility disruptions / No disaster manuals (how to evacuate, no information on transportation systems, etc.)

It's Hard to change own way of thinking & behavior at the time of Emergency



- People want to continue life style as usual
Nurses want to continue their usual routines
- People flush their toilets even during a water shortage -
- Volunteer nurses are given orientations in detail-

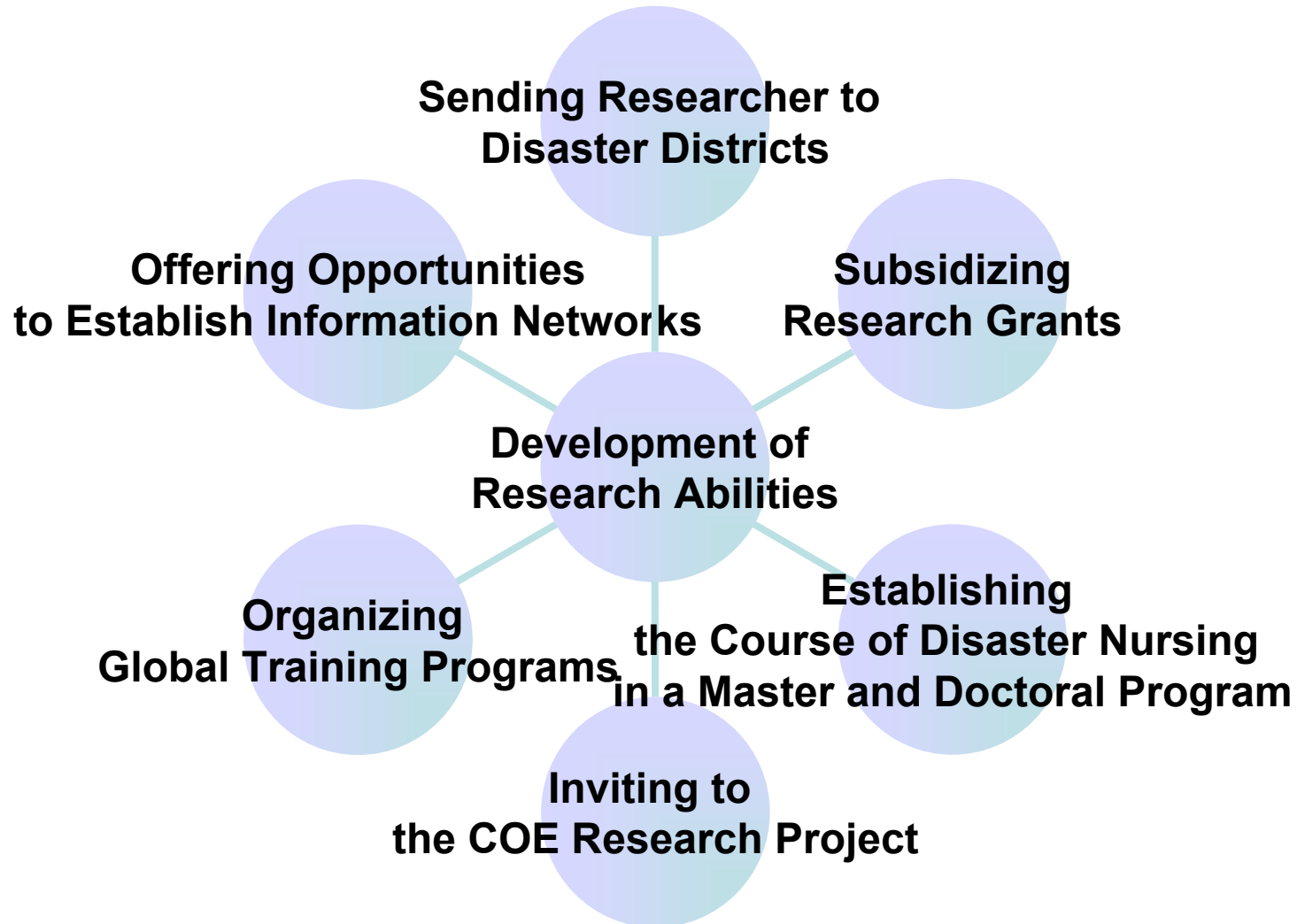




Education/Training

- **Education for preparedness**
 - **Development of Disaster Preparedness Handbook**
 - **Implementation of Educational program to nurses**
 - **Conduct of information exchange at conference or training**
- **Clarification of Core Competencies on Disaster Nursing**
 - **Extract and structure of contents with knowledge obtained by other groups**

Development of Young Researchers





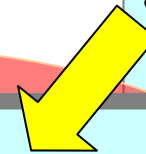
Integration

Development of Information Base

- Database Accumulation
- Data Mining/ Warehousing
- Information Distribution System

Establishment of Support Network

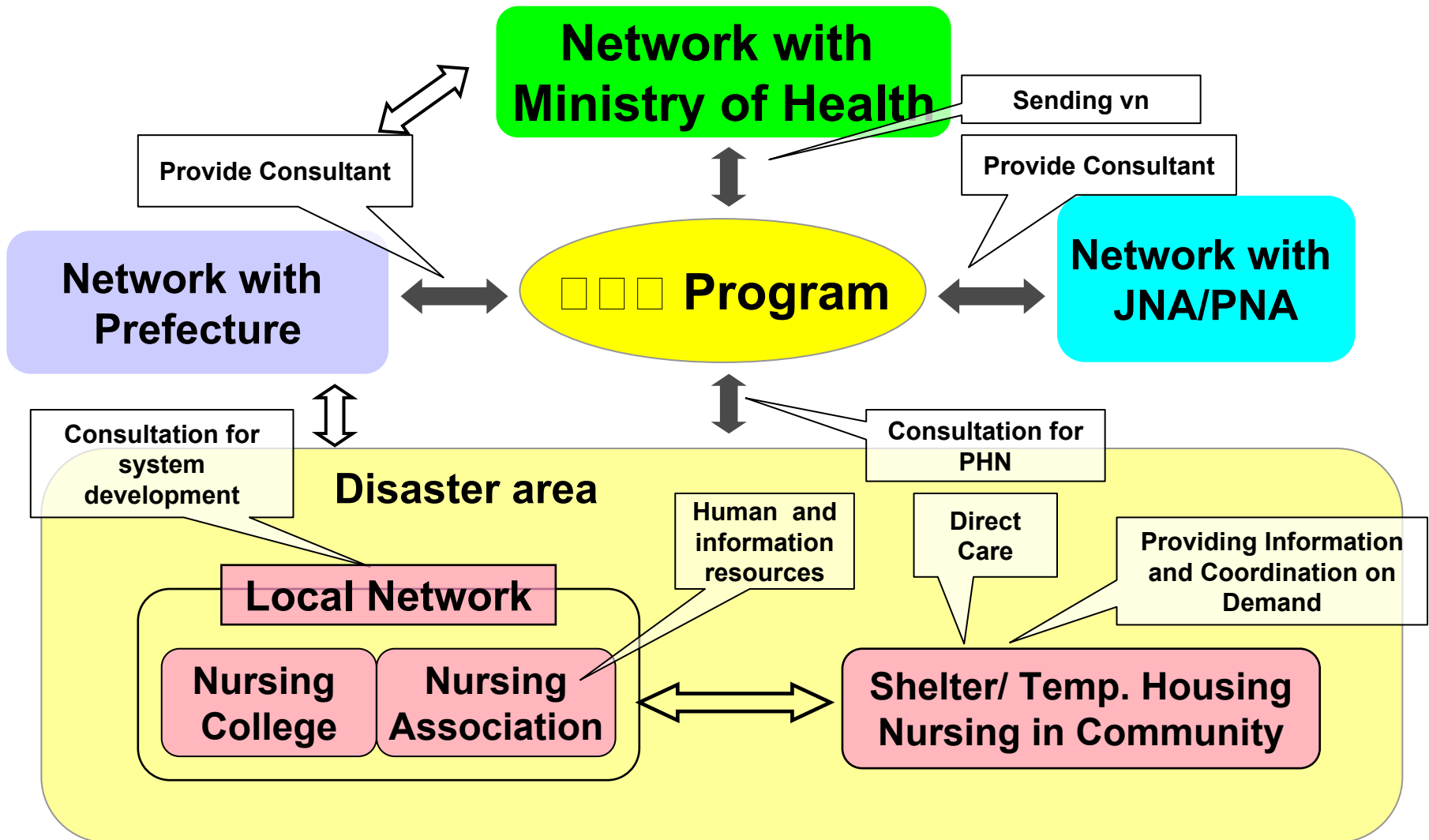
- Participatory community support network
- Professional nursing support network
- International disaster nursing network



Development of Nursing Care Strategies

Integration and Creating Research Agenda

Ex. Niigata Chuetsu Earthquake



Outcomes

- **Clarification of the key concept**

- Care receivers + Care offers
- People who need primary support in disasters (e.g. the elderly, the mentally disabled, child, pregnant, chronic illness)

- **Clarification of mid- and long-term health problems impacted by disasters**

- Respiratory systems □ Circulatory systems □ Chronic diseases
- PTSD

- **Clarification of caring methods**

- Support for daily environments and dietary lives
- Protection of one's sleep and privacy
- Guarantee of a sense of security and safety

- **Collaboration with other related organizations**

- **Establishment of networks**

Outcomes

- **Consultations, manpower dispatching, information services, and so on)**
 - Earthquake and tsunami disaster in the Indian Ocean
 - Niigata Chuetsu Earthquake
 - Defining basic abilities required for disaster nursing in collaboration with WPRO
- **Organization of international conferences regarding disaster nursing**
 - Participating and presenting suggestions in the World Conference on Disaster Reduction
 - Organizing the forum on disaster nursing in Asia
- **Internationally dissemination of the concept of “disasters and health”**



**Disaster will happen
before we forget!**

21st Century COE Program:
Development of Disaster Nursing
in a Ubiquitous Society
Primary Investigator: Dr. Aiko Yamamoto