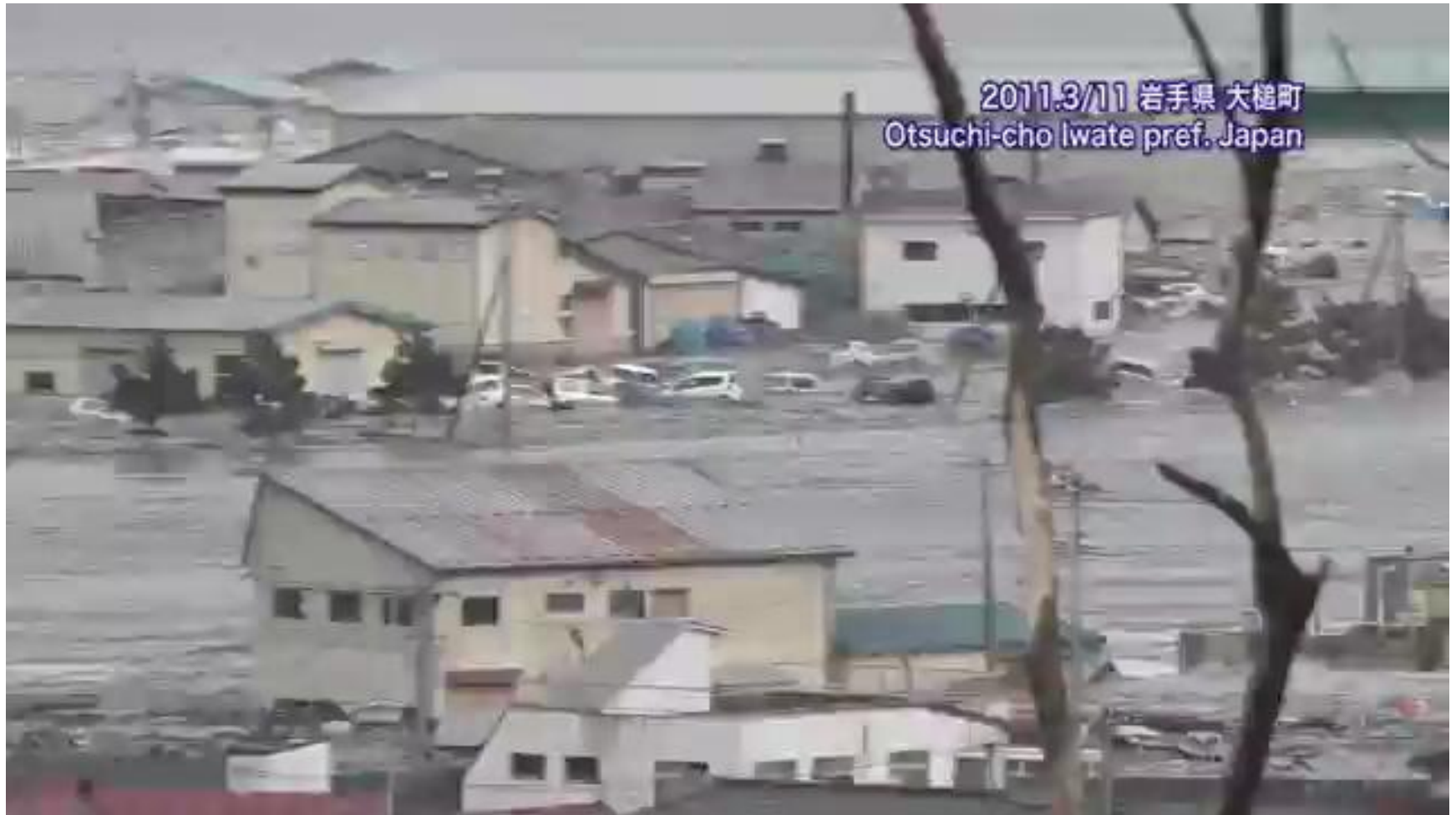


Current Status and Issues of support for the reconstruction of fisheries in Otsuchi Town

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2011.3.11 Tsunami, Otsuchi-cho, Iwate pref



Overview of Otsuchi town before the earthquake



Otsuchi-cho, Iwate pref

Coastal areas to be located in central Iwate Prefecture

- Total population (before the earthquake): 15,994 people
- Total number of houses (before the earthquake) : 6,507

Basic industries is Fishery

- Aquaculture of scallops, seaweed, oyster
- Artificial hatchery of salmon and trout
- Total number of households: 5,674 households (2003)
- Households: 463 Number of households fishing
- Fishery: Private households 236 (2008)
- Households engaged in fishing: 227 (2008)

Damages

- ▶ People suffering (2012/3/31)
 - ▶ 782 people deaths
 - ▶ the number of people dead bodies 803
 - ▶ Accommodated 475 people missing
 - ▶ Changes in population
 - ▶ 13,249 (2011/3/11) ⇒ 15,994 (2012/3/31)
 - ▶ 17.2% decrease in the population
 - ▶ Property damage
 - ▶ 3,092 houses destroyed
 - ▶ 786 houses partially destroyed
 - ▶ 431ha area inundated
 - ▶ flooded residential rate: 52%, permeability commercial land: 98%
 - ▶ Amount of damage fisheries
 - ▶ 1,505 billion yen total damaged / industry about 51.2 billion yen
-
- ▶ 4 ⇒ 34%

Reconstruction plan for tsunami earthquake disaster of Otsuchi town

計画の構成及び期間

本計画は、震災復興に向けた基本的な施策の方向を示す「基本計画」と、その内容に沿って各施策に対応した事業のあり方を示す「実施計画」の2つの計画で構成します。

基本計画は、平成30年度までの8年間を計画期間とします。

実施計画は、第3期に分けて作成し、第1期の実施計画は、平成24年3月策定予定です。

23年度 24年度 25年度 26年度 27年度 28年度 29年度 30年度

【大槌町東日本大震災津波復興計画】

基本計画（平成23年度～平成30年度）

実施計画

第1期 ～復旧期～
平成23年度～平成25年度

第2期 ～再生期～
平成26年度～平成28年度

第3期 ～発展期～
平成29年度～平成30年度

まちの将来像

海が見えるつい散歩したくなるこだわりのある「美しいまち」

- ▶ In the basic plan, indicating the direction of the basic measures for earthquake disaster reconstruction.
- ▶ Implementation plan indicate measures that correspond to each business along the basic plan. Planning
- ▶ Period consisting of recovery period, reproduction period, development period

Basic measures of reconstruction

1. Ensuring safety and security

- ▶ Establishment of a system Disaster Reduction through cooperation
- ▶ Development of the living environment
- ▶ Social infrastructure disaster resilient
- ▶ Strengthening of protect the lives of residents

2. Reconstruction of the living

- ▶ Life rebuilding support for victims
- ▶ Promotion of health and welfare
- ▶ Life and environmental infrastructure improvement
- ▶ Use of renewable energy and ICT (Information and Communication Technology)

3. Revival of local economy

- ▶ Promotion of recovery and reconstruction of fisheries
- ▶ Promotion of recovery and reconstruction commercial, industrial and tourism
- ▶ Promotion of agriculture and forestry

4. Development of educational environment

- ▶ Improve the educational environment of children

-
- ▶ 6 ▶ Promotion of cultural and sports activities

Promotion of recovery and reconstruction of fisheries

1. Early recovery of production infrastructure

- ▶ Installation of temporary facilities as soon as possible (Fish market, ice storage facilities, etc.)
- ▶ Fishermen's cooperative conduct the recovery of fishing vessels and aquaculture facilities

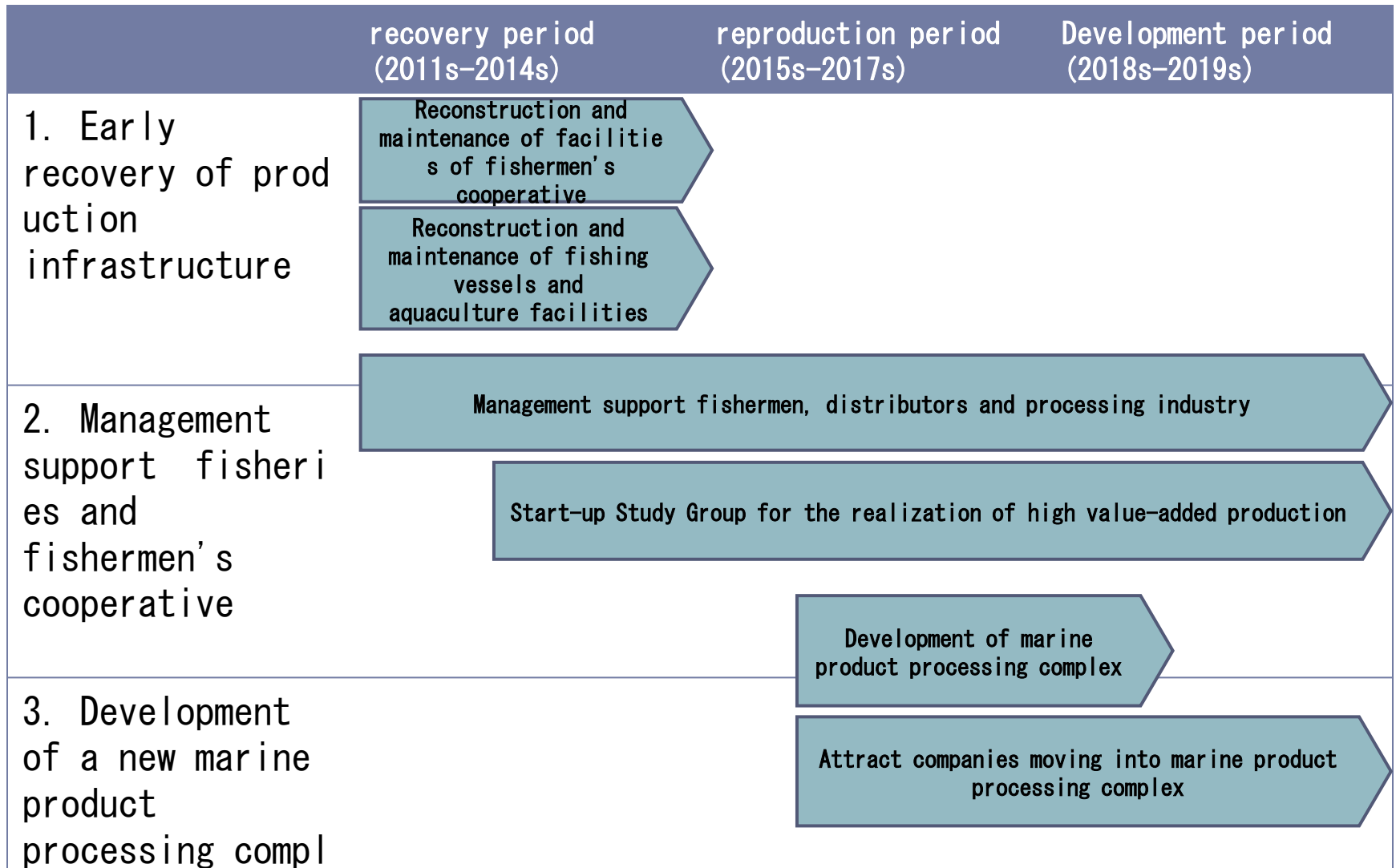
2. Management support fisheries and fishermen's cooperative

- ▶ Assist in the management side as fishermen can be obtained sufficient income
- ▶ Development of an environment prone to new entries
- ▶ Efforts to support high value-added production
- ▶ Support the management of fishery cooperative stabilization

3. Development of a new marine product processing complex

- ▶ 7 ▶ Promoting the development of marine product processing complex

Roadmap



Activities of The Council of the reconstruction of Akahama



- ▶ Among the approximately 960 residents, 45 people dead, 48 people missing, a total of 93 people were killed in Akahama (10% of the population)
- ▶ Established in August 2011, “Board consider the reconstruction of Akahama” as chairman Kawaguchi.
- ▶ Building reconstruction plan has been made by residents.

Discussion for formulating the basic plan by residents

- ▶ Discussion of reconstruction measures were carried out by all residents.
- ▶ Using the 3D landscape model made by students of the University of Tokyo, to discuss the land-use planning.
- ▶ In October 2011, residents have proposed to the draft of the basic plan of Akahama reconstruction to Otsuchi town

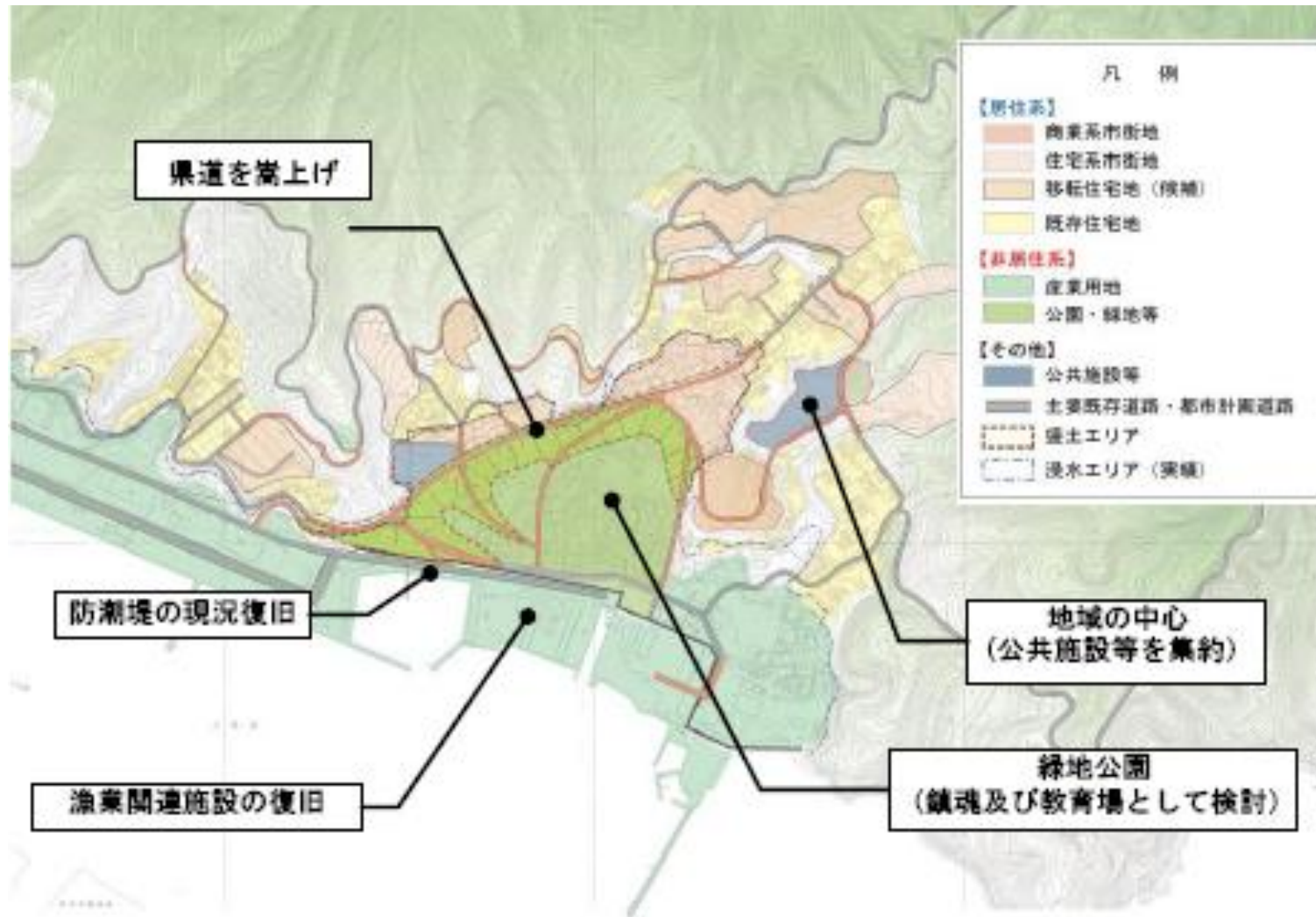


Discussion for formulating the basic plan by residents

- ▶ The residents claimed that "such a huge structure sea disappear I do not want" .
 - ▶ The residents kept the policy of "6.4 meters is sufficient" basis for the proposal that the embankment of 14.5 meters, Iwate Prefecture showed.
 - ▶ Proactive efforts of the residents of Akahama, was inspired by the town Authorities.
 - ▶ The town authorities had established a council to 10 area in the town, and entrusted to residents making district plan.
-



The basic plan of Akahama Reconstruction



12 basic policies

1. Development of strong human resources to disaster
2. Breakwater
3. Change of route
4. Reclamation to a residential area on the hill
5. Wide evacuation road
6. Development of a robust power infrastructure facilities
7. Park use in the disaster area
8. Integration of public facilities
9. Construction of emergency shelters
10. Construction of public housings
11. Early restoration of the Horai island
- ▶12. Reconstruction cost burden by the government

12 basic policies

1. Development of strong human resources to disaster
 - ▶ In order to reduce the victims, human resource development with enhanced awareness of disaster reduction
 - ▶ Enlightenment awareness of disaster prevention in the school curriculum
2. Breakwater
 - ▶ Anti-typhoon, storm surge is a breakwater. Protect life and property it is the embankment. These two types should be established.
 - ▶ Breakwater to recover repair existing facilities. Embankment will be installed in the 15m–18m above sea level.
3. Change of route
 - ▶ Change of route as described in the plan
4. Reclamation to a residential area on the hill

3D image reconstruction plan

