Issue 2: Social Sustainability
Who decide the future city and community?

Clear Recognition of the necessity of different planning process is required, when the huge disasters have occurred

- 1. Immediate Action: Food, water, Refuge, Medical Help Ordinal Support, and Paring Support Nation-wide and International support
- 2. Just after the disaster occurred:
 Need of Grand Design and Regional Plan
 Professional Task
- 3. Community Planning with Refugees

Not the Education, but Learning

Planning Process Stage 1: Grand Design

Creating Park System between coastal Zone, Town and Forest In the beginning stage of the regeneration



Decision of the Relocation

1.Refugees of 6 Villages decided to move inner area

2. Select the compact City



Creating new forest along seashore Hills of One Thousands' Hope



Stage 2: Making Restoration Plan with Refugees

March 2011: Tsunami occured

May 2011: Set up Principals

Aug. 2011: Grand Design

Sept.2011:Master Plan

Oct.2011: Community Planning Started

March 2012: Relocation Plan was admitted by Min. of Land use and Transportation

Aug. 2012: Started construction

March 2014: Expected Date of the completion of construction





Sharing Experiences of Tsunami





Agricultural
Forest is
dying by salt
damage



Regeneration plan by refugees

Workshop in June 2012



Start to Creating New Forest Nov. 3, 2012





Issue 3: Cultural Sustainability

Difficult to Identify "Culture" Each Region and Community has different culture. It is site specific.

To excavate culture will be a basic goal of the future of region and community



Possibility lies in Cultural Landscape

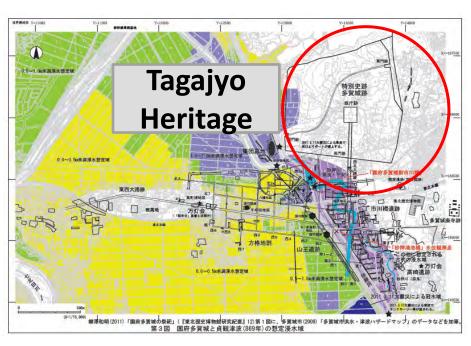
Cultural Landscape

 Cultural properties, representing the combined works of nature and of man.

----- the World Heritage Committee

Need to Learn from History





Tagajyo









How to find Cultural Landscapes?

Rikuzen Takada: Coastal Pine Forest

There existed 70,000Trees, and only 1 pine tree survived.

The project to plant pine trees had succeeded for 280 years.

This is a typical asset as Cultural Landscape.



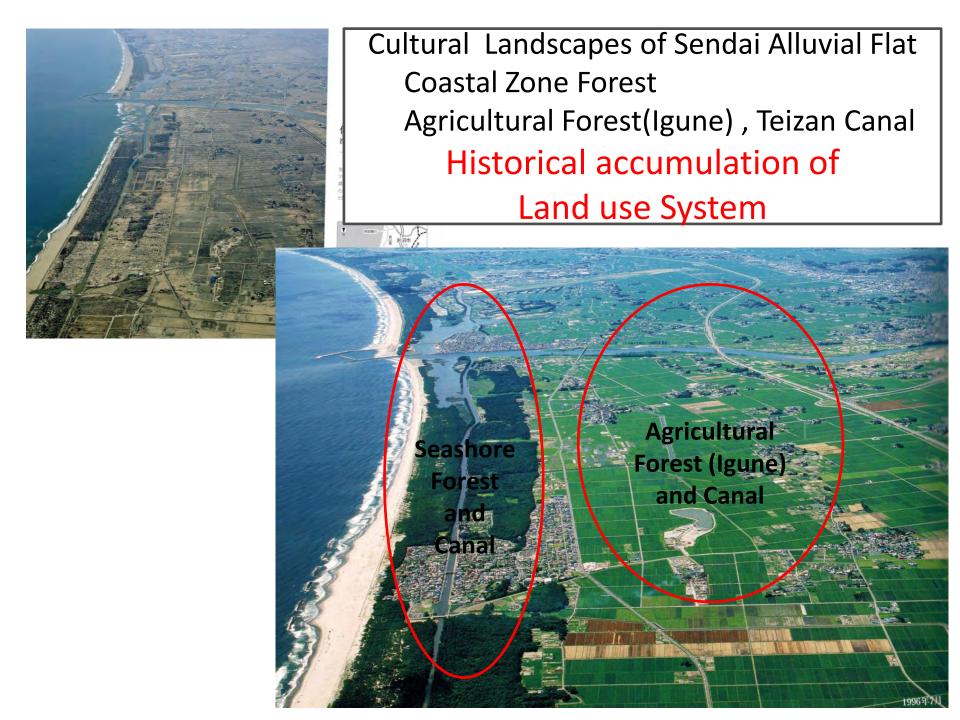


Different Root (long Root)





Pine Tree near survived tree, 279 years old





植林風景(沼田健一氏提供)



植林風景 (沼田健一氏提供)

Agricultural Forest (Igune)



Agricultural Forest (Igune)

Sept. 2011

April 2012





Igune

Save Life and Houses





Dying Igune by the chloride damage

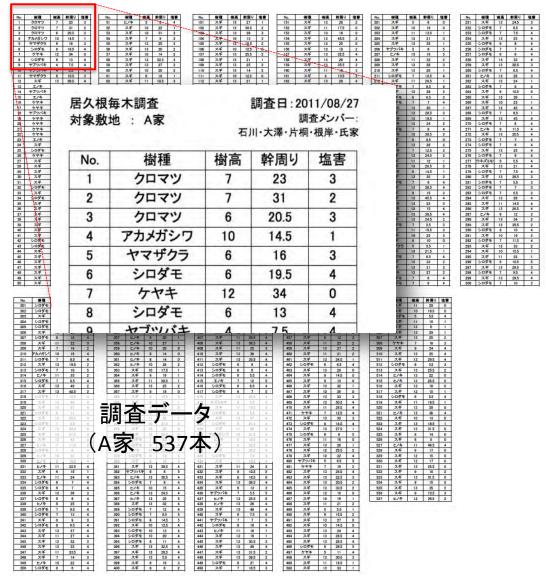




Vegetation Survey



調查風景

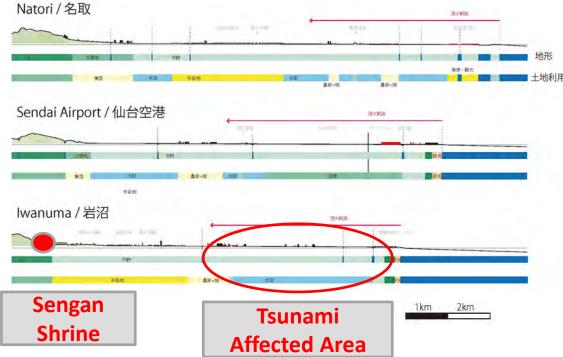




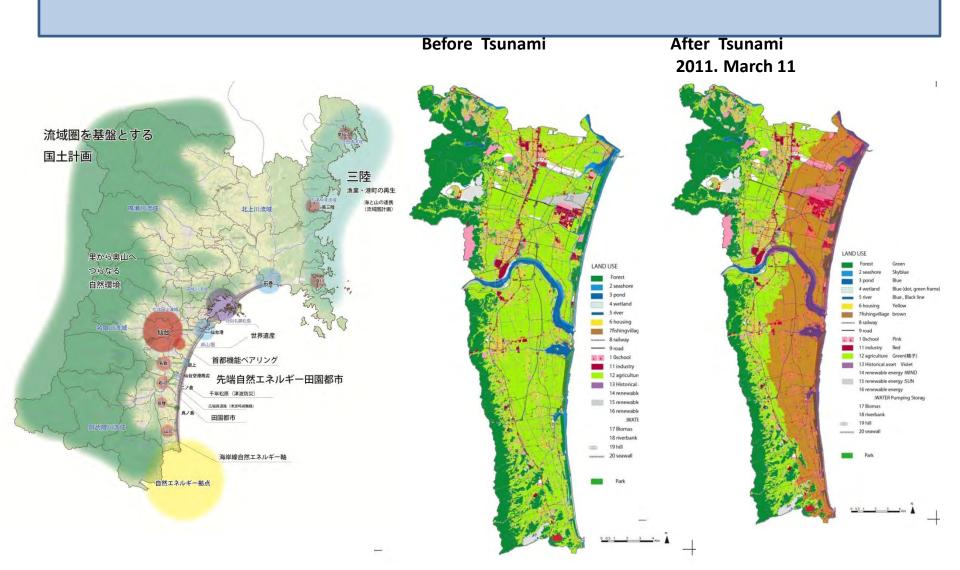


Heritage as the core of Wisdom

Legend of Sengan Shrine saves
Onagawa Nuclear Plant from
Tsunami



To combine Community Planning and Regional Planning is necessary for creating Sustainable Region



Conclusion : Principals for Sustainable , Resilient Society

Environmental Sustainability

Time: Instead of Moment

Diversity: Instead of Varaiety

Absorbance: Instead of Flexibility

Social Sustainability

Learning: Instead of Education

Indigenous: Instead of Standard

Horizontal: Instead of Vertical

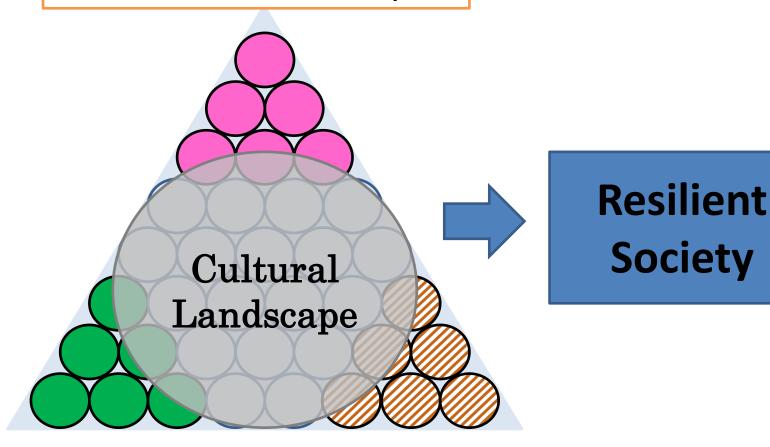
Cultural Sustainability

System: Instead of Object

Identity: Instead of Characteristics

Wisdom: Instead of Knowledge

Social Sustainability



Environmental Sustainability

Cultural Sustainability

Sustainability