

Creating a path toward a sustainable, resilient future by solving environmental and societal issues such as risk reduction of natural disasters or fighting diseases

**Green Technology** 

**Social Innovation & Inclusion** 

**Recovery & Resilience** 



# 10 Years After the Earthquake:

Cross-sectoral, interdisciplinary

research to solve important

societal issues

From Disaster Recovery Toward a Green Future in Times of COVID



We will utilize our knowledge and experience from the earthquake and support communities in times of COVID to create a green, prosperous future for everybody



Carbon neutral, climate

green materials, recycling

change predictions

resources · · ·

Regional revitalization,

& solving problems of

communities · · ·

creating social value, support

Disaster Science, nuclear

decontamination, fighting

infectious diseases, next-gen

medicine, resilient ICT · · ·



## **Green Goals Initiative: Priority Areas & Actions**



**Advanced Information Communication Systems Conserving Marine Resources Green Materials Plastic Smart Utilizing Biomass Smart Transportation Predicting Climate Change Green Infrastructure Carbon Free Fuel Prevention & Recovery of Environmental Pollution Conserving Biodiversity Energy Saving Semiconductors Recycling Resources Disaster Science Renewable Energy** Green **Beat Infectious Diseases Advanced Composite Materials** Technology **Risk Communication Advanced Innovative Batteries Next Generation Carbon Free Power** Medicine **Hydrogen Production &** Recovery 1F Nuclear Utilization Green & Resilience Resilient CO<sub>2</sub> Assimilation & Fixation Infrastructure Goals **Carbon Neutral Smart Agriculture Resilient ICT** Conservation of Water Resources & **Disaster Risk Reduction Environment Mental Care Digital Communities** Social **Creating Societal Value** Innovation **Solving Societal Issues & Problems** & Inclusion **Cultural Diversity Creating Cultural Value Revitalizing Regional Communities Creating a Fair & Equal Society Solidarity with Communities Creating Regional Value** 



### Tohoku University's Green Goals Initiative



At Tohoku University, we are committed to ensure the sustainability of our planet and focus our education, scientific knowledge as well as extensive networks of collaborations to create a Green Future and a carbon neutral environment on campus.

#### (Education)

◆ Providing knowledge and skills necessary to accomplish SDGs and create a Green Future throughout our courses to students and next generation of leaders

#### (Research)

◆ Developing green technology and advancing research with local and global institutes and companies for the realization of a Green Future **Green Technology** 

Recovery & Resilience

Social Innovation & Inclusion

#### (Community Collaboration)

◆ Creating Zero Carbon Cities, starting in Sendai, through public-private collaboration and community co-creation, also assuring a disaster ready, resilient community.

#### (Zero Carbon Campus)

◆Reducing greenhouse gas emissions from campuses by 50% in 2030 compared to 2013, and achieve zero emissions by 2040.