**Goals of ICAS**

1. To contribute to the prediction of climate change effects, and to improve and disseminate appropriate adaptation technologies and policies in the Asia-Pacific region.
2. To showcase sustainability in the Ibaraki region, as a model for the Asia-Pacific region.
3. To contribute to the creation and advancement of “Global Change Adaptation Science”, and to help develop the appropriate human resources.

**Research**

**Program 1. Development of engineering methods for adaptation**
- Impact assessment of climate change in global and Asia-Pacific region
- Assessment of compound impact and adaptive technology and strategies for Asia-Pacific region
- Disaster prevention and planning for adaptation using Information Technology (IT) such as RS, GPS and GIS

**Program 2. Development of climate-adaptive agricultural technologies**
- Monitoring and modeling of agricultural land-use
- Development of crops and cultivation methods
- Agricultural soil and water management

**Program 3. Livelihood plans and policies for adaptation**
- Adaptation for urban landscapes and waterfront space
  - Ibaraki, Vietnam/Hue
- Policy development for sustainable living
  - Community foundation
- Adaptation using traditional knowledge
  - Environmental education
- Disaster prevention

**Program 4. Plans for safe and secure societies in the future**
- Proposals for climate security policies
- Research on social equity
- Creation of “wisdom of coexistence”

**Outreaches & Events**

- **Symposium & Forum**
  Mito, Vietnam, Hawaii, etc
  - From 2006
  - More than 150 undergraduates

- **Ibaraki Newspaper Column**
  "Toward sustainable society: from Ibaraki Univ. to the World"
  - Every Tuesday from 2007 to 2009 (103 articles)

- **Publication**
  - Introduction to Sustainability Science
  - Journal “Sustainability Science”
  - RISS’s free paper “Sustain”

**Organization**

**Graduate program on sustainability science**

- Our program in graduate school trains experts who have:
  1) the holistic knowledge (wide vision) of sustainability
  2) the advanced and specialized knowledge of sustainability
  3) the mind and skills to solve the problems in the Asia-Pacific region, to collaborate with stakeholders

**Program 3. Livelihood plans and policies for adaptation**

- **Program 1. Development of engineering methods for adaptation**
- **Program 2. Development of climate-adaptive agricultural technologies**
- **Program 3. Livelihood plans and policies for adaptation**
- **Program 4. Plans for safe and secure societies in the future**

**Education**

- **Graduate program on sustainability science**
  - 3 days * 5 classes (inclu. Panel Discussion)
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