



**CAN THO UNIVERSITY:**

**ROLES OF UNIVERSITY-INDUSTRY PARTNERSHIP  
AND QUALITY ASSURANCE FOR SUCCESSFUL**

**HCMC, June 16, 2016**



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# Content of the presentation

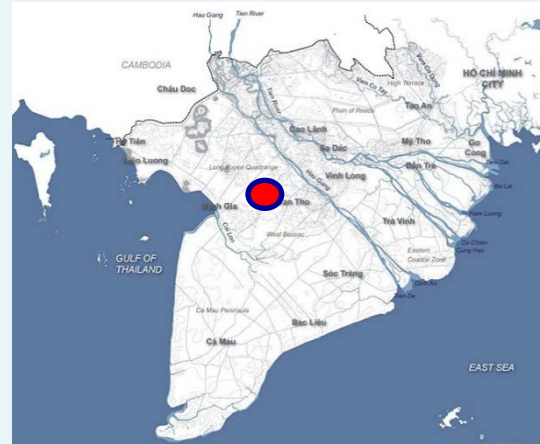
- Selected key figures of the Mekong River Delta.
- Brief introduction to Can Tho University (CTU).
- Introduction to University-Industry Partnership models
- Introduction to Quality Assurance activities



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# 1) Key Figures: Mekong River Delta

- **Natural surface: ~40,554 km<sup>2</sup> (12% of Vietnam) (Agricultural production land: 2,600 km<sup>2</sup>)**
- **Population (2013):**
  - **17,5 mil. (20% of Vietnam)**
  - **Rural population: 80%**
- **GDP contribution: ~20%**
- **Agriculture and Fisheries production**
  - **Agriculture: 36% of Vietnam**
  - **Rice: >55% of Vietnam**
  - **Fisheries: 71,4% of Vietnam**
- **Education (2013):**
  - **13 universities and 26 Colleges**







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# 1) Key Figures: Mekong River Delta (2)



**FISHERIES**



**RICE PRODUCTION**

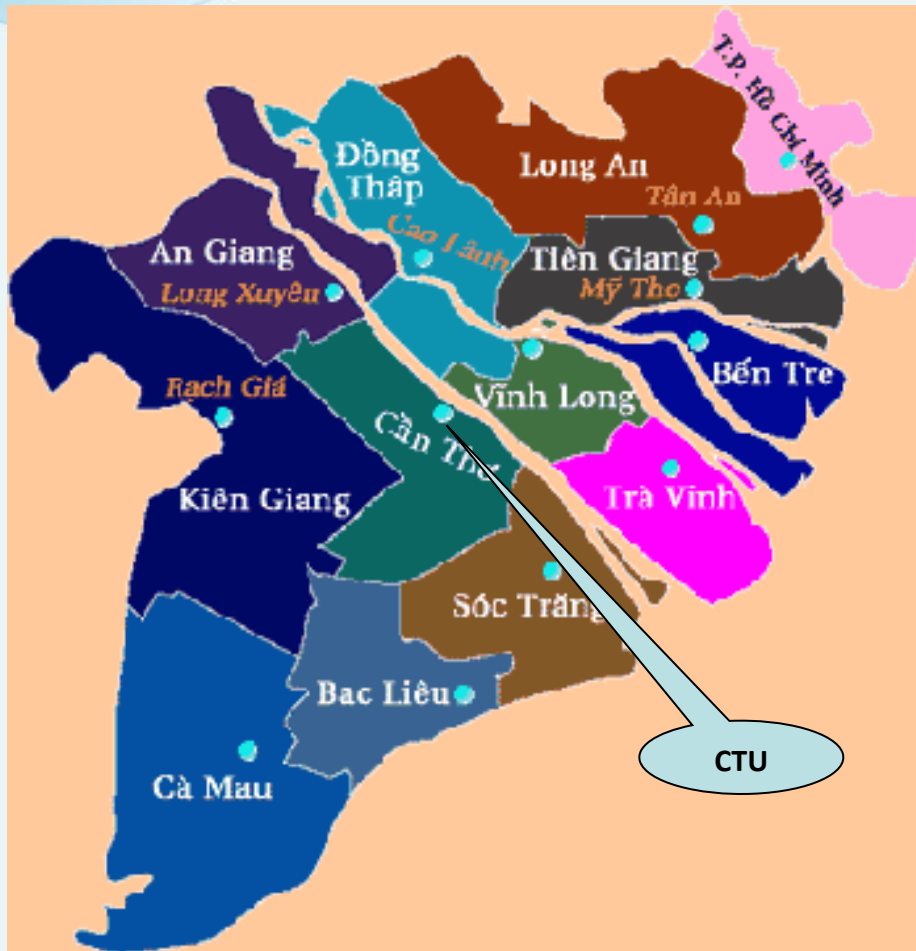


**TROPICAL FRUITS**



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## 2) Can Tho University: An Introduction



- Established on **March 31<sup>st</sup>, 1966**
- **Among top 16** key national universities (out of 400 HEIs)
- **03** campuses in **Can Tho** & **01** campus in **Hau Giang**
- **Full member of AUN** (Asian University Networks)



## 2) Can Tho University: Campuses (200 ha)



Campus I: 6,2 ha



Campus III: 0,55 ha



Campus IV: 112 ha



## 2) Can Tho University: Units

Colleges/ Schools	Institutes/Centers	Departments/ Offices
1. Agriculture & Applied Biology	1. Biotechnology R&D Institute	1. Admin. and Planning
2. Aquaculture and Fisheries	2. Mekong Delta R&D Institute	2. Research Affairs
3. Engineering Technology	3. Institute for Climate Change Research	3. International Relations
4. Information Technology	4. Hoa An Biodiversity – Application - Research Center	4. Academic Affairs
5. Natural Sciences	5. Learning Resource Center	5. Personnel
6. Environ. & Natural Resources	6. Center for Foreign Languages	6. Finance
7. Rural Development	7. Quality Assurance and Testing Center	7. Political Affairs
8. Social Sciences & Humanities	8. Info. and Network Mgt.	8. Facility Management
9. Education	9. Distance Learning Center	9. Student Assistance
10. Economics	10. Services Center	10. Legality
11. Law	11. Cooperative Training Center	11. Construction Mgt.
12. Political Science		12. Publishing House
13. Pre-University		
14. Physical Education		
15. Foreign Languages		





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## 2) Can Tho University: Staff

- Number of staff: 2,000 (*female: 43.0%*)
  - Teaching staff: 1,181 (59.0%)
    - + Professor: 6
    - + A/Professor: 110
    - + PhD: 328
    - + Master: 808







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## 2) Can Tho University: Program and Students

140 and 54,464

### 1. Undergraduate training

- Number of BSc programs: 93
- Number of students: 52,360 (*female: 46.5%*)

### 2. Graduate training

#### Master training

- Number of MSc programs: 34
- Number of MSc students : 2,775

#### PhD training

- Number of PhD programs: 13
- Number of PhD graduates: 329





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# CTU IN SUPPORTING MEKONG DELTA IN DEVELOPMENT: Training Activities

## ❖ Training human resources for Mekong Delta:

- ✓ 160,000 Bachelors and Engineers
- ✓ 6,000 Masters
- ✓ 50 PhD
- ✓ 200 Short trainings/year
- ✓ 7,000 undergraduates/year
- ✓ 1,000 graduates/year



# CTU IN SUPPORTING MEKONG DELTA IN DEVELOPMENT: Research Activities

- **CTU's researchers closely work with farmers to treat diseases in rice production → sustainable rice development in the MD → VN become Rice Export country**
- **Successful artificial breeding of Pangasius → the MD as leader in Pangasius production in the world**
- **Many Agricultural and Aqua cultural Models successfully transferred to farmers in the MD**
- **CTU is center for scientific information supplies and technology transfers**





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### 3) University-Industry Partnership Models

#### 1. Research collaboration with industry

- ✓ Improving capacity of teachers.
- ✓ Solve the needs of industry
- ✓ Increasing Publication
- ✓ Training and upgrading new technology for industry



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### 3) University-Industry Partnership Models

#### 2. Establishing laboratory of industry in university

- ✓ Improving capacity of researchers.
- ✓ Invest research equipment
- ✓ Practical training for students
- ✓ Service to community



## 3) University-Industry Partnership Models

### 3. International Project with industry commitment (HEEAP, BUILT-IT, Quality Assurance Project (DAAD)...)

- ✓ Industry participation as contribution to the project activities
- ✓ Training staff members of university
- ✓ Supporting measurement facilities: Siemens, Cadence,...
- ✓ Recruit graduate students for industry
- ✓ Internship for students





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### 3) University-Industry Partnership Models

#### 4. Supporting student activities through social activities

- ✓ Holcim Prizes: supporting student research, improving social skills for students, recruit the best students for industry
- ✓ WilmarAgro Awards
- ✓ Sony Green activities
- ✓ .....



## 4) Quality Assurance: Very Important roles for HEIs

### ❖ Internal Quality Assurance System

- 2003: **Quality Management Groups** established to work on EFQM standards supported by Dutch experts (MHO Project)
- 2006: **Quality Assurance & Testing Center (QATC)** established to work on EFQM and other standards (VLIR Project)
- 2006: External assessment at **Institution level** using MOET standards, with **92,9%** approval vote
- 2008-2013: Accreditation activities at **Program level** using MOET and **AUN-QA standards**
- 2008: Initial steps to approach **ABET standards** for engineering and technology programs/CDIO



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## 4) Quality Assurance: Very Important roles for HEIs

### ❖ Internal Quality Assurance System (2)

2013: CTU Quality Assurance Council  
established/Accreditation activities enhanced.

2013: AUN Accreditation for two BSc program  
(Agricultural Economics and E. Engineering)

2013: CTU became a member of AUN.

2015: AUN-QA certified two BSc. Program:  
Biotechnology and Aquaculture



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## 4) Quality Assurance: Very Important roles for HEIs

### ❖ Internal Quality Assurance System (3)

2015: **ABET** Mock visits for two engineer program: Mechatronics and Information Technology

2016: External Evaluation for **ABET standards** of two engineer program

## 4) Quality Assurance: Very Important roles for HEIs



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### ❖ Quality Assurance strategy of CTU

- **Institutional Level: MOET Standards and AUN-QA Standards**
- **Program Level: AUN-QA and ABET Standards**
- **Build strong QA Team: Train qualified QA staff members**
- **Frequently internal evaluation for quality improvement continuously**



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**THANK YOU FOR YOUR KIND ATTENTION !!!**