



**TAIWAN EXPERIENCE  
IN TRACER STUDIES:  
TAIWAN INTEGRATED  
POSTSECONDARY  
EDUCATION DATABASE  
(TIPED)**



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2012.10.22/23-EXLIMA

# TODAY'S AGENDA

- ◎ A brief of Taiwan Integrated Postsecondary Education Database (TIPED)
- ◎ What we learned from TIPED in the last decade  
(2002-2012)
  - challenges vs. solutions
  - visions vs. suggestions

# TAIWAN INTEGRATED POSTSECONDARY EDUCATION DATABASE (TIPED)

## History:

- Initiated by Dr. Samuel, S. Peng in 2002
- Beginning in 2008, Dr. Li-Yun Wang takes the leadership and implement TIPED on a national scale



# TIPED-CON'T

( ☆ : completed ; ★ : in process ; \_\_\_ : with teacher education )

year subject	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Faculty			☆					☆		
Freshmen		☆		☆			☆	☆	☆	★
Junior		☆		☆			<u>☆</u>	<u>☆</u>	<u>☆</u>	<u>★</u>
Graduate				☆	☆	☆	☆	☆	☆	<u>★</u>
One year after	☆			☆	☆	<u>☆</u>	<u>☆</u>	<u>☆</u>	<u>☆</u>	<u>★</u>
Three years after				<u>☆</u>						

# COMPONENTS OF TYPED

Note: Numbers referring to those surveyed— 1 (freshmen), 3 (junior), 4(graduate), +1(one year after graduation), +3 (three years after graduation)

Input	Opportunity	Effort	Outcome
<u>Ability</u> eg. Competence (1 ∙ 3 ∙ 4 ∙ +1 ∙ +3)	<u>Curriculum &amp; Instruction</u> (1 ∙ 3 ∙ 4)	<u>Time Allocation</u> (1 ∙ 3)	<u>Academic</u> (1 ∙ 3 ∙ 4 ∙ +1 ∙ +3)
<u>Family&amp; Neighborhood</u> (1 ∙ 3 ∙ 4 ∙ +1 ∙ +3)	<u>Teachers&amp; Peers</u> (1 ∙ 3)	<u>Study Plan</u> (1 ∙ 3 ∙ 4 ∙ +1 ∙ +3)	<u>Psychological and Behavioral Outcome</u> (1 ∙ 3 ∙ 4 ∙ +3)
<u>Disposition</u> eg. Attitudes towards education & work (1 ∙ +1 ∙ +3)	<u>Conditions of life</u> (1 ∙ 3 ∙ 4 ∙ +1 ∙ +3)	<u>Learning behavior</u> (1 ∙ 3)	<u>Career/Employability</u> (4 ∙ +1 ∙ +3)
<u>Prior Experiences</u> (1 ∙ 3 ∙ 4 ∙ +1 ∙ +3)	<u>School Infrastructure</u> (1 ∙ 3)	<u>Participation</u> (1 ∙ 3 ∙ 4)	<u>Satisfaction with college Education</u> (1 ∙ 3 ∙ 4 ∙ +1 ∙ +3)



# WHAT WE HAVE LEARNED ...

## Challenges & Our Solutions:

1. Uncertain budget vs. personnel issue - gradually stabilize the budget
2. Changeable survey periods vs. questionnaires - sustain survey periods
3. Poor school-based records - educate/ assist institutions at the school level
4. Frequent changes of staff - disseminate via workshops
5. Varying cooperation from schools - promote continuously

# VISIONS & SUGGESTIONS:

- ◉ Assure the principle issues of higher education
  1. Key information: government & school
  2. Important issues: by rotating
  3. School- based information

# VISIONS & SUGGESTIONS - CON'T

- ◉ Strengthen the support system and advance corresponding services
1. Attain Information Security management System (ISMS)
  2. Establish On-line Analysis System (OAS)
  3. Improve the use of data



THANK YOU!

