

# The Inclusion of Green Competencies in the Recognition of Prior Learning



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# 01

Recognizing Skills through  
Recognition of Prior Learning  
Mechanisms:  
practices and issues

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# The Outline of China's National Plan for Medium and Long-term Education Reform and Development (2010-2020)

"to establish a system of credits accumulation and transformation in continuing education to achieve mutual recognition and connection of different kinds of learning outcomes; "

“to establish a system of learning outcomes certification and a credit bank system, etc” .



# Pilot programmes in China

**B** Shanghai Academic Credit Transfer  
and Accumulation Bank for Lifelong  
Education

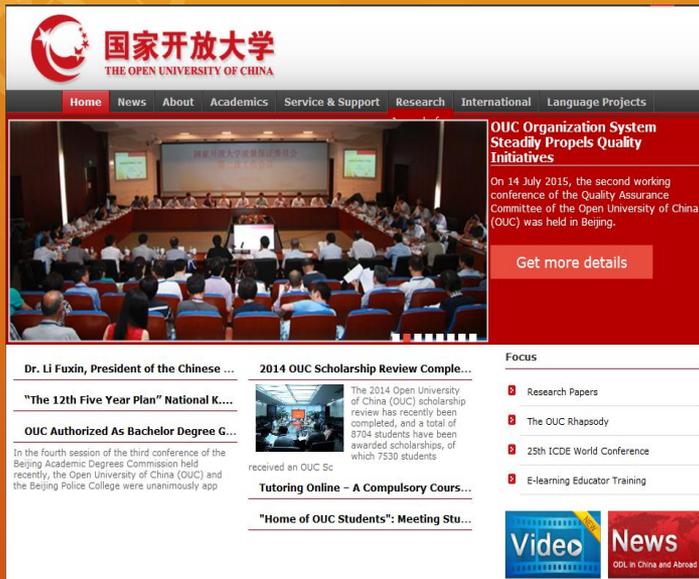
**D** Beijing credit bank plan

**A** The Open University  
of China

**C** Zhejiang Cixi citizens bank credits



# 1.The Open University of China(OUC) (China Central Radio & TV University)



The screenshot shows the homepage of the Open University of China (OUC). The header features the university's logo and name in Chinese (国家开放大学) and English (THE OPEN UNIVERSITY OF CHINA). A navigation menu includes Home, News, About, Academics, Service & Support, Research, International, and Language Projects. The main content area is divided into several sections:

- Top News Item:** "OUC Organization System Steadily Propels Quality Initiatives". It includes a photo of a conference and a "Get more details" button. The text below the photo states: "On 14 July 2015, the second working conference of the Quality Assurance Committee of the Open University of China (OUC) was held in Beijing."
- Left Column:** Contains several news snippets, including "Dr. Li Fuxin, President of the Chinese ...", "The 12th Five Year Plan" National K....", and "OUC Authorized As Bachelor Degree G...".
- Right Column:** A "Focus" section with a list of items: "Research Papers", "The OUC Rhapsody", "25th ICDE World Conference", and "E-learning Educator Training".
- Bottom Section:** Includes "Tutoring Online - A Compulsory Cours...", "Home of OUC Students": Meeting Stu...", and "Video News" with the tagline "OUC in China and Abroad".

The university admit some previous credits. Students who have learned such or similar knowledge before will enjoy the right of exemption from examination.

Those who have got the CET -4 or above levels can be exempt from the public English examination.



## 2 Shanghai Academic Credit Transfer and Accumulation Bank for Lifelong Education (SHCB)

( <http://www.shcb.mobi> / 上海终身教育学分银行 )

The screenshot shows the homepage of the Shanghai Academic Credit Transfer and Accumulation Bank for Lifelong Education (SHCB). The header features the bank's logo and name in Chinese and English. Below the header is a navigation menu with links for Home, Important Programs, Standard System, Higher Education Points, News and Announcements, Support and Services, and Document Downloads. The main content area includes a large banner with the text '学分银行' (Credit Bank) and a stack of books. There are several sections: '最近新闻与公告' (Recent News and Announcements) with a list of articles; '学分银行简介' (Introduction to the Credit Bank) with a photo of a graduate; '登录学分银行' (Log in to the Credit Bank) with a login form; and '学分银行标准体系' (Standard System of the Credit Bank) with a list of categories. The footer contains the bank's logo and name.

SHCB, dominated by the Shanghai government, is sponsored and managed by Shanghai municipal commission of education. It is a learning outcomes certification management center and conversion service platform for recognition, accumulation and transformation of lifelong education credits for the learners in Shanghai with the goal to build a lifelong learning "intersection" to promote the construction of Shanghai lifelong education system and learning society.



### 3. Zhejiang Cixi citizens bank credits

It is also dominated by the government with the following goals:

- ☑ To establish a lifelong learning "intersection" between academic education and vocational training,
- ☑ To establish a public service circle for lifelong learning
- ☑ To build a digital learning "virtual community"



## (4) Beijing credit bank plan

Beijing credit bank plan aims to use the concept of "credit bank" and rules to build a new mode of school-enterprise cooperation .

It will establish a transformation among academic education, higher vocational education , profession training and individual previous learning so as to improve the efficiency and effectiveness of education learning and training for the learning organization and the learners themselves,





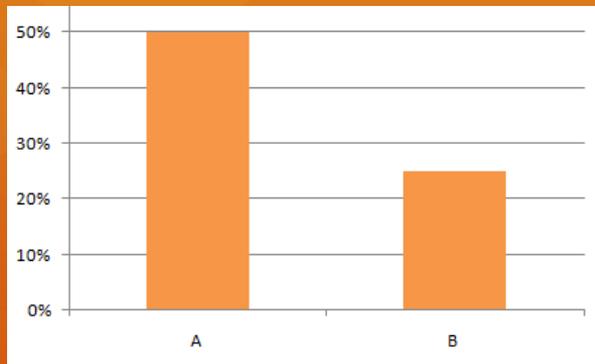
From the practice in the four examples we can see they have a same purpose that is to promote the learning city, to establish a learning community, Yet, the models are different and technical paths different too. All of the three have not developed qualification framework and certification standards.

The accumulation of experience cannot be shared because there is no universal standard (the same standard).



# Investigation related analysis :

RPL exist for catering industry



RPL exist for auto industry

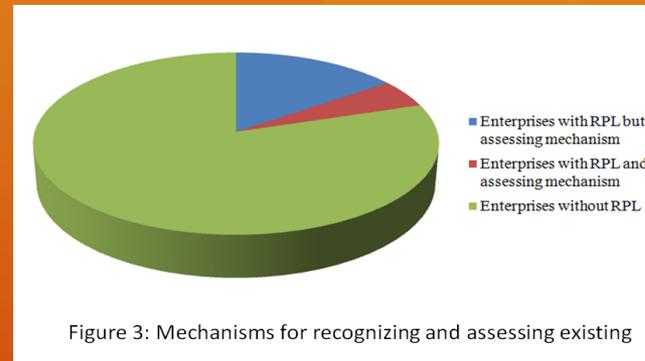


Figure 3: Mechanisms for recognizing and assessing existing

# Credits Bank Frame

Learner

Credit Bank

Register to Create an Account

Learner from  
learning organization

Individual

learning outcomes

Training achievement accumulation

learning outcomes accreditation

credits accumulation

credits transformation

Establish the archives on lifelong learning

effective credits



## Suggestion

How to implement the interaction effectively...

China should build a special organization to guide and dominate the system construction ,guidance and implement which is admitted by the industry,universities and the enterprises...



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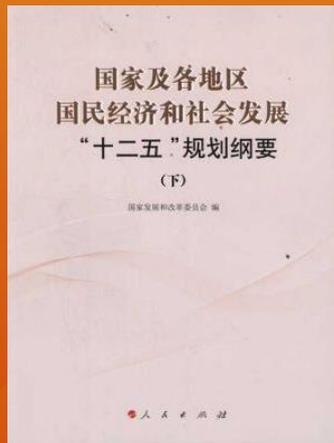
**02**

**Country practices on  
greening of industries and  
green skills inclusions in  
training programs**

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The occupation classification of the  
People's Republic of China



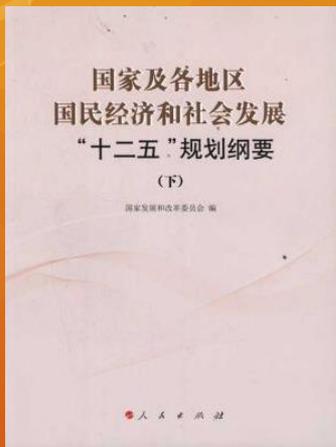
The Outline of the 12th Five-  
Year Plan for National Economic and Social  
Development of the People's Republic of China





*The occupation classification of the People's Republic of China, issued by the Chinese government in 2015, has clearly defined 127 occupations as green occupations including monitoring, protection and management, and the ecological environment beautifying, new energy like solar energy, wind energy, biomass energy, etc. which highlights the concept of green jobs again.*





*The Outline of the 12th Five-Year Plan for National Economic and Social Development of the People's Republic of China* proposes:

To stick to the construction of resource-saving and environment-friendly society.

Our country should formulate specific green skills development strategy according to the specific requirements of the development of green economy transformation.



## Investigation related analysis :

### Catering industry

Table 1: Concern extent of green skills or the importance of environmental protection measures

	Concern extent	
	8	9
small and medium-sized catering enterprise	50%	50%
micro-catering enterprise	75%	25%

## Catering industry

Table 2: Positive environmental work practices and the standard required

positive environmental work practices and the standard required to:	small and medium-sized catering enterprise	micro-catering enterprise
follow workplace procedures to <u>minimise</u> environmental impacts	50%	50%
<u>minimise</u> and dispose of waste in an environmentally responsible way	75%	75%
use non renewable resources responsibly and reuse where possible	100%	25%
record data relating to environmental risks, impacts and management	50%	0

## Catering industry

Table 3: promoting skills required

What is being done in your company with regard to promoting skills required for implementation of environmental friendly practices?	small and medium-sized catering enterprise	micro-catering enterprise
rules and regulations related to green skills/greening of skills	50%	0
brochures and events to disseminate environmental awareness (generic green skills)	75%	0
the following incentives in the enterprise for learning new skills required for new green technologies and practices	50%	25%
courses required for developing specific green skills (technical skills)	25%	0
courses required for marketing strategies to promote cleaner and carbon free products and services	0	0
other ( please specify)	0	0

## automotive industry

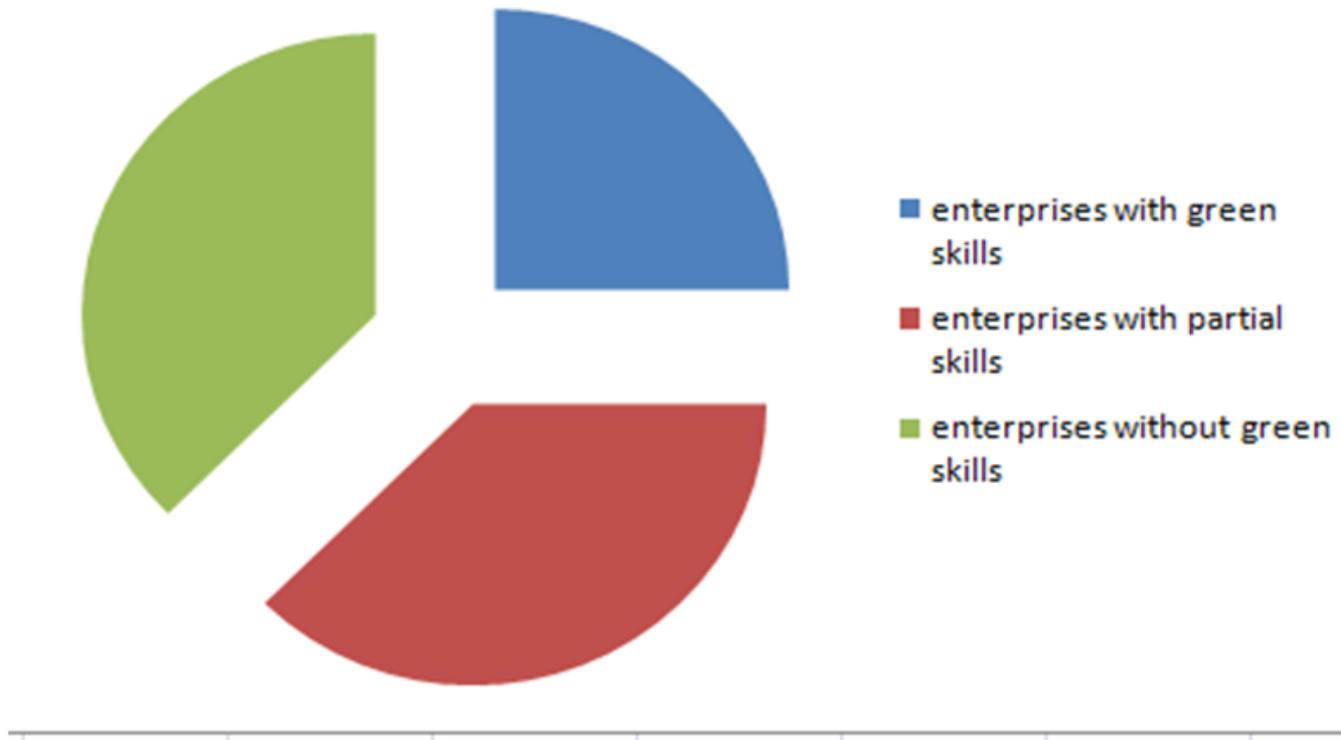


Figure 1: Comprehensive analysis diagram of green skills

## automotive industry

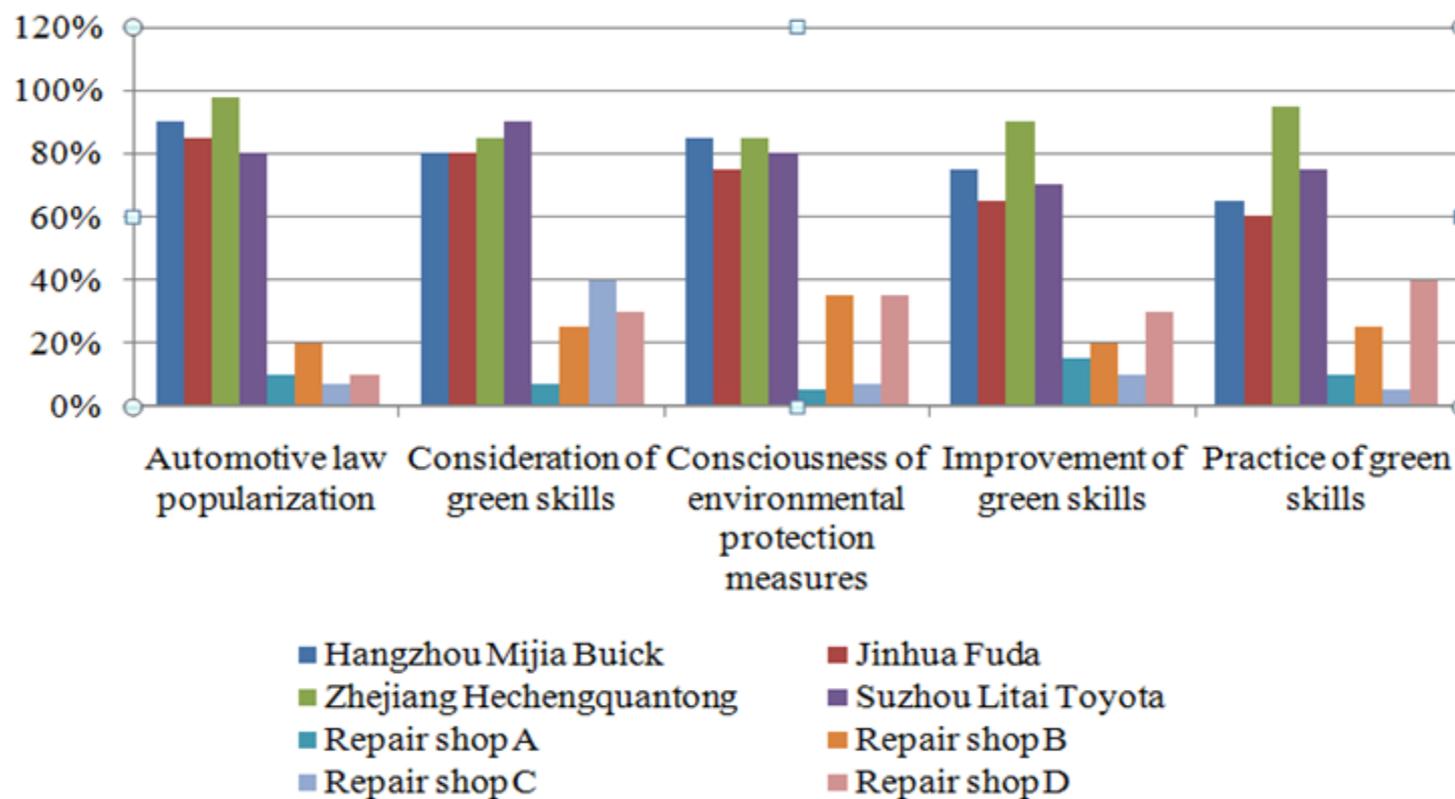


Figure 2: Environmental protection practice of eight auto enterprises

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# 03

## **Making green skills sustainable: Arriving at Principles and Models of Effective Green Practices and their Recognition**

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# China faces major skills challenges.

01

To green existing jobs.

02

To train new workers in the appropriate skills

03

will be in anticipating the future demands for green skills in emerging industries.

04

The lack of skilled professionals and the absence of any benchmark



# Skills responses

Construction of basic training system for skills of green jobs:

>>

Entrepreneur-ship training on skills for green jobs

>>

Improvement of infrastructure for training for skills of green jobs

**Support systems by the government**



Multiple  
mechanism

Government

1

Employee

5

Skill  
training &  
Recognitio  
n

2

Vocational  
Schools

4

Employer

3

Training  
organization



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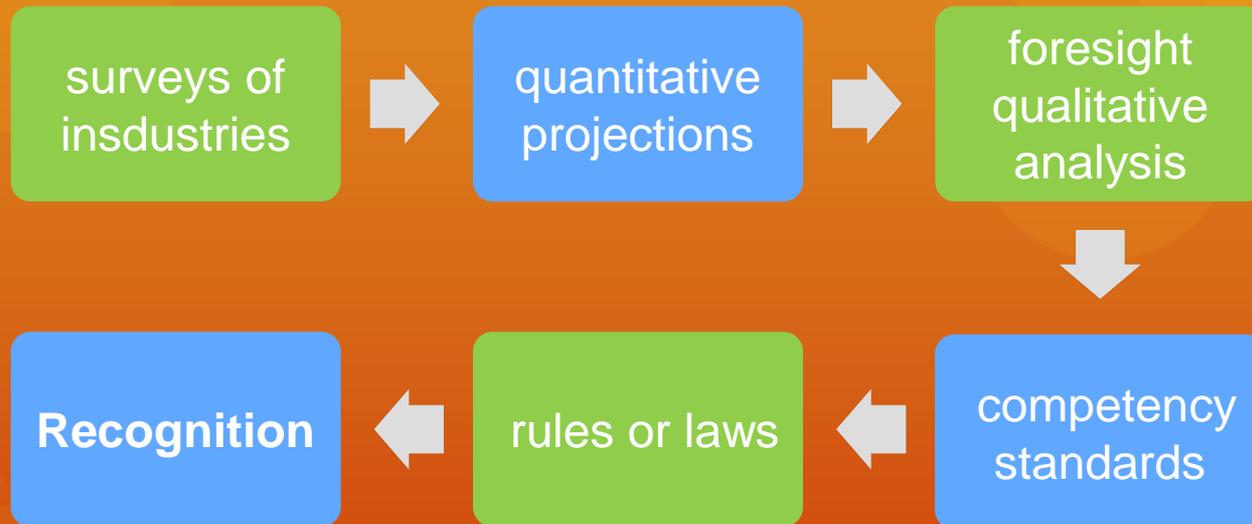
# 04

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## Arriving at a model for a pilot project



# Suggested approaches



**The state should have more active role in vocational training issues**

Thank you

