

Asia-Pacific region priorities on capacity development and proposals for strengthening engagement of regional stakeholders in identifying skills gaps and needs

By TAO ZHIYONG

WRIPT FIBERHOME COLLEGE.



Agenda

- **ICT development and skills requirements in AP region;**
- **Capacity development programmes and training experiences in China;**
- **More CoE, More partners, More programmes**

Make future Broader with Total Solution

4 Service Layer



IDC

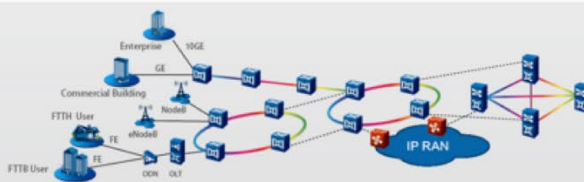


IMS&IPTV



BSS&OSS

3 Transport Layer



OTN,IPRAN,PTN
IP Backbone
Core Router&Switch

2 Access Layer



OLT&ODN Network
FTH,FTTB,FTTC,FTTW

1 User Layer



Home Gateway



Set top Box

Security & Safety System Support

Advantages

Customizable Network

All solution designed based on customers requirements

Flexible Network

Flexible equipment Makes multi access& transmission network

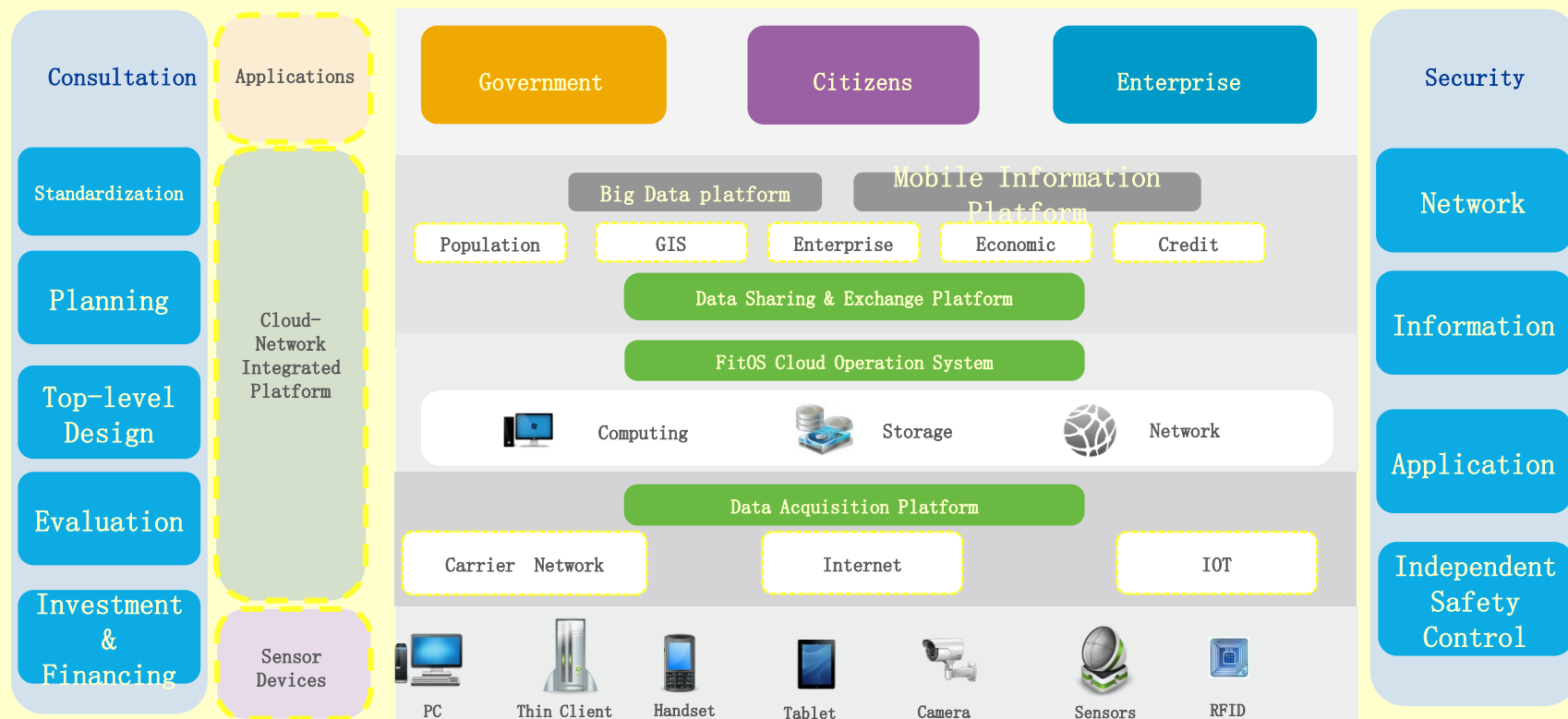
Reliable Network

1+1 Redundancy E2E Backup
Disaster Backup System

Security Network

Powerful Security Product makes
Application As Network

Make city Smarter with ICT 2.0

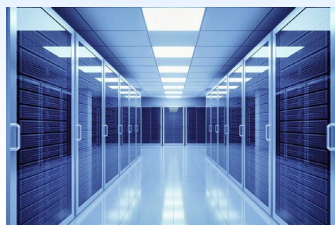


ICT Solutions for Government & Enterprise

Smart City



Cloud DC



Smart Railway



Smart Highway



Smart Home



Smart Education



Smart Police



**ICT Integration Solution
with China Top-level Qualifications**

**Gold Member
in Openstack Foundation**



Technology Trends of Optical Transport Network

01

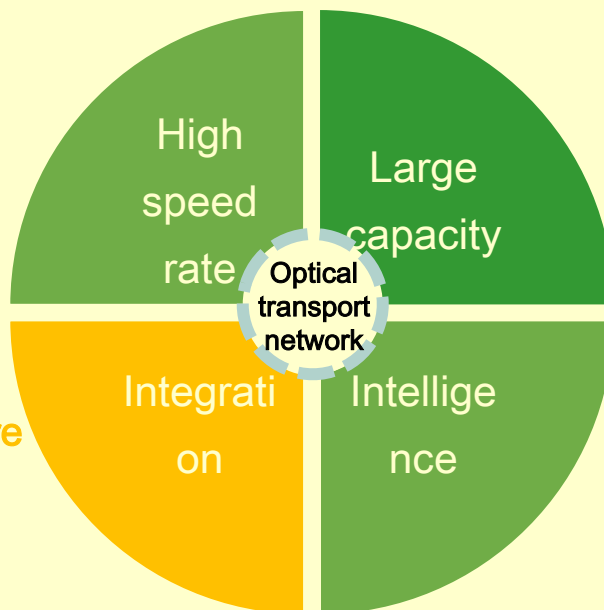
Super-high speed transmission

- 100G/200G/400G/1T
- flexOTN
- Flexible modulation technology

03

Integrated network architecture

- Uniform cell switching (ODUk, PKT, and VC)
- ODUk granularity scheduling
- Packet and optical integration



02

Large capacity and low power consumption

- 25.6T/32T/64T supporting multi-dimensional applications
- Future-oriented 400G/1T applications

04

Intelligent control plane

- ASON
- WSON
- SDN

ICT is developing faster, is applied more and more widely;
the latest ICT have been applied in Asia-Pacific region.

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Capacity development programmes and training experiences in China

We wish to make use of advantages and experience in terms of ITU Centres of Excellence (CoEs) and China-aid training so as to make great contribution to telecommunication development projects, primarily in the least developed countries by conducting characteristic, high-level and influential training projects.

Since 1994, WRI Training Center has been undertaking training programs under the support of Ministry of Science and Technology, Ministry of Industry and Information Technology, Ministry of Commerce and Ministry of Foreign Affairs and become one of the five APT training bases in China.

WRI APT Training Center, China



APT and Foreign-Aid Training Course

- 25 sessions of APT(Asia-PacificTelecommunity) training courses on new technologies of optical fiber communication were held from 1994 to 2018 in the training center of WRI.More than 200 participants from over all Asia countries had participated .
- we sponsor more than 1000 seminars with full MOFCOM scholarship in different provinces all around China very year, including about 100 programs in ICT field, which are also under the frame of China-aid training. I have been responsible to organize and delivery more than 100 international ICT training courses for over 5000 trainees from developing countries in Asia-Pacific, Africa, and Latin America with support from the Ministry of Industry and Information Technology, the Ministry of Commerce of China and Asia Pacific Telecommunity.
- The training program consists of lectures, practice and field trip by professional optoelectronics experts/companies to exchange experiences among participants.

Teaching staff in WRIPT FIBERHOME COLLEGE

- **Yu Shaohua**, famous communications network specialist, a professor Engineering, Ph.D. advisor and doctoral tutor, WRI chief engineer, served as ITU Study Group 7 (Data networks and open system Communication) IP underlying protocol thematic rapporteurs, ITU Study Group 17 (data networks and telecommunications language) IP underlying protocol thematic rapporteurs, ITU Study Group 15 (Optical Network and access Network) Vice-Chairman.



Teaching staff in WRIPT FIBERHOME COLLEGE

- **Lu Jun** , Ph.D. professor, senior engineer, president of Fiberhome College.
- **Tao Zhiyong**, Master, professor, senior engineer, vice president of Fiberhome College. ITU-D expert
- **Wushan** , Master, director, senior engineer, senior lecturer.
- **Ren Hailan**, Ph.D. professor, senior engineer, senior lecturer.
- **Jin Zhenkun**, Ph.D. associate professor, senior engineer, senior lecturer.
- **Chen Wen**, Ph.D. associate professor, senior engineer, senior lecturer.
- **He Zhou**, Ph.D. associate professor, senior engineer, senior lecturer.
- **Cao Zhen**, Master, senior engineer, senior lecturer.
- **Lin Yu**, Master, senior engineer, senior lecturer.
- **Zhang Xuefang**, Master, senior engineer, senior lecturer.

Features of Field Practice in WRIPT FIBERHOME COLLEGE



Features of Teaching



- Keep improving the training and its teaching contents .
- Lectures are carefully prepared by the government officials, experts, professors, and senior engineers from WRI.
- The MBA teaching style, in which each lecture includes a two-hour theory lecturing, a 15-minute case analysis and a 15-minute discussion.

Features of Technical Tour



We design a series of Technical Tour, including a visit to "Wuhan Optical valley of China", China's only photoelectric information industrial base, the FiberHome Exhibition Hall and the assembly line of the fiber-optic in the factory to let them see the production process of relevant devices and instruments.

Features of Field Practice



Features of Technical Tour





Feedback Form

Distinguished participants, in order to serve you better in the future, please fill in the following questionnaire. Thank you for your support and cooperation!

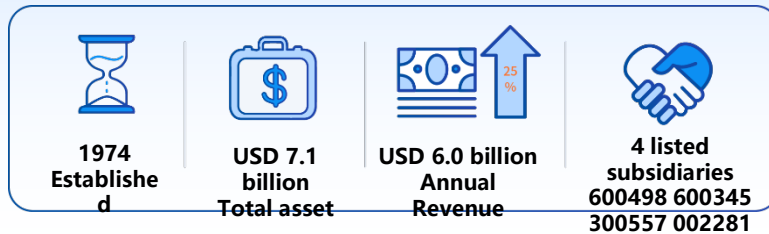
Name: _____ Nationality: _____ Occupation: _____

N O.	Questions	Please fill out the form with "√" in the suitable blank.		
		High	Medium	Low
1	Did you engaged in the related works before?			
2	Did you make a systematic study of related knowledge before?			
3	Do you have the powerful motivation to learn the principles of telecommunication technology?			
4	Do you like sightseeing and traveling?			
5	Would you like to learn more about the Chinese culture?			
6	Would you like to learn more about the Chinese language?			
7	Would you like to learn Chinese Kungfu?			
8	Would you like to learn Chinese Taijiquan?			
9	Would you like to learn Chinese painting and calligraphy?			
10	Would you like to learn Chinese traditional dancing?			
11	Would you like to learn how to sing Chinese songs?			
12	Would you like to have more time for shopping?			
13	Do you want to go to the shopping center selling cheap goods?			
14	Are you willing to perform at our party before the close ceremony?			
15	Would you like to take part in a sports activity?			

16. Which sport do you like best?
17. Which target may interest you most during this course?
18. Do you have any suggestions to the hotel, such as food?
19. Do you have any suggestions to us?

FIBERHOME Company Overview

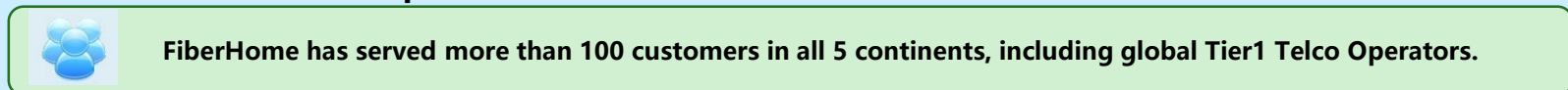
Basic Information









Business Summary



Customer Footprint

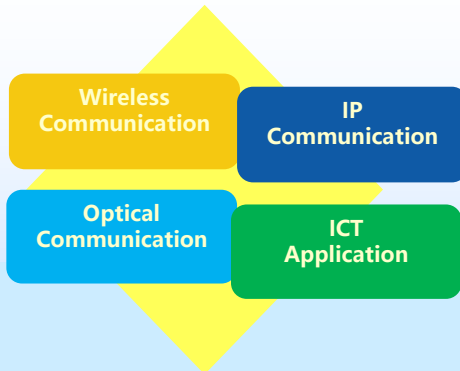
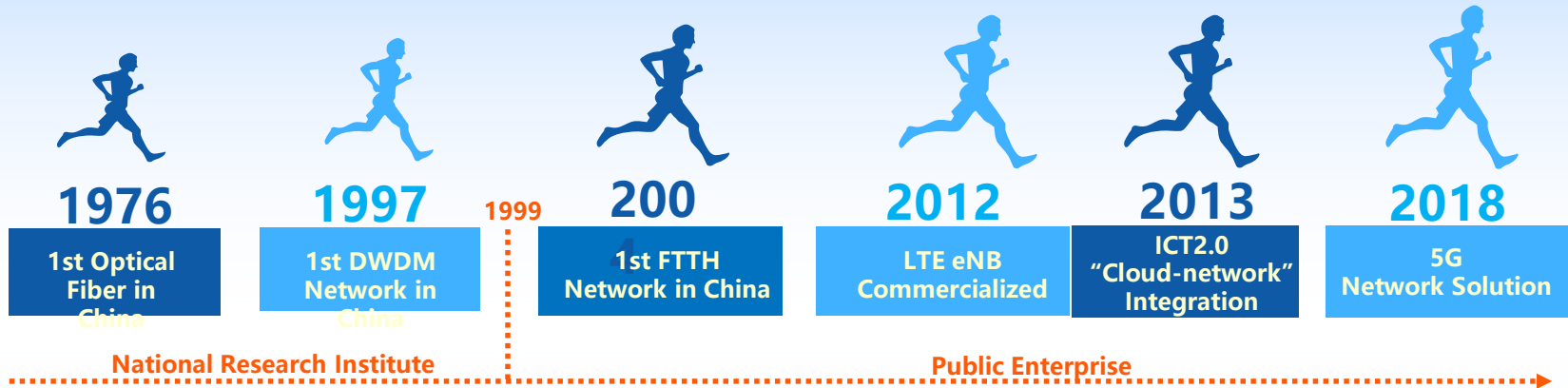


Rankings in Global Market

	Optical Components	TOP 3
	Optical Fiber Cable	TOP 4
	Optical PON Network	TOP 4
	Optical Network	TOP 5
	Switch & Routers Products	TOP 7
	IPTV STB Products	TOP 3



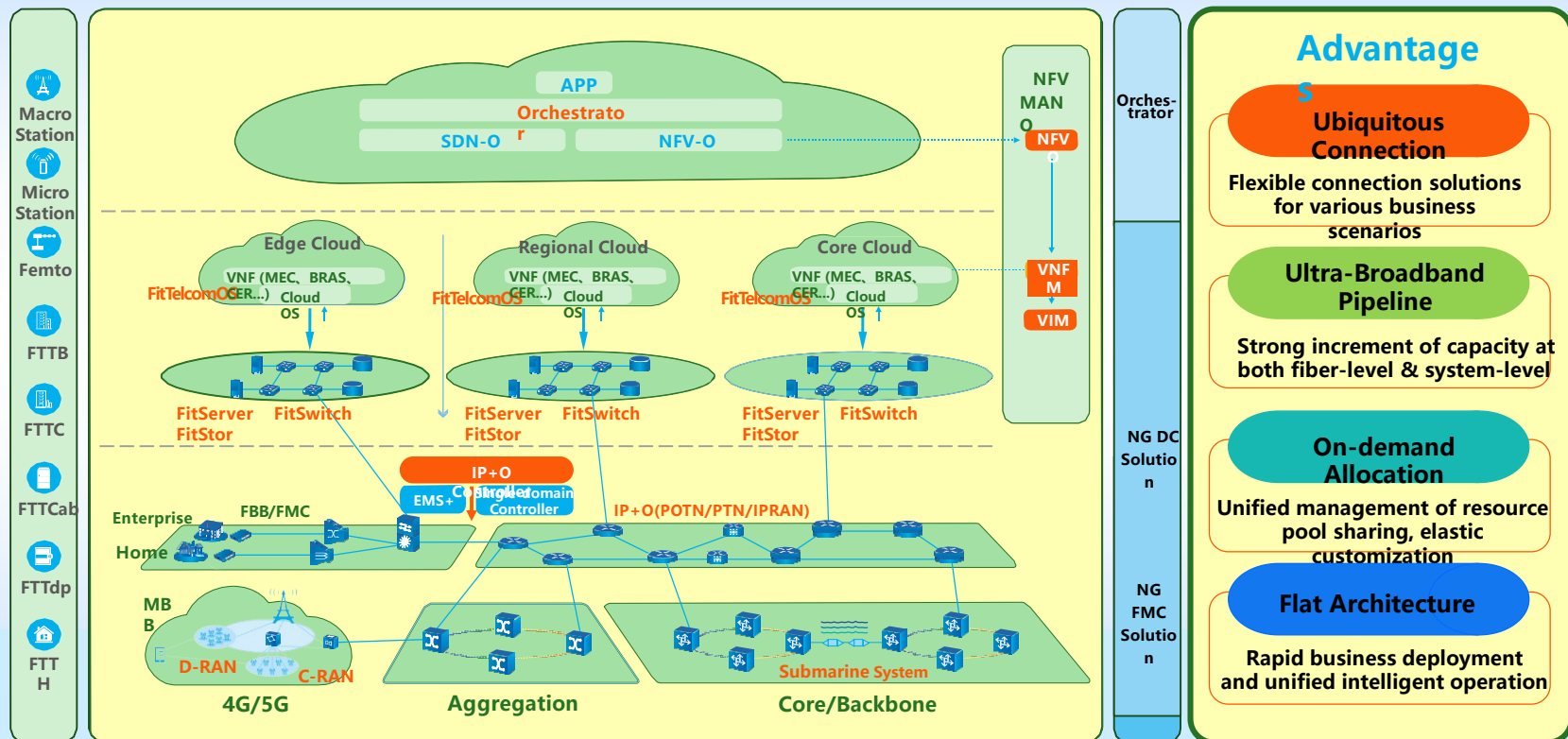
Leading ICT Solution Provider

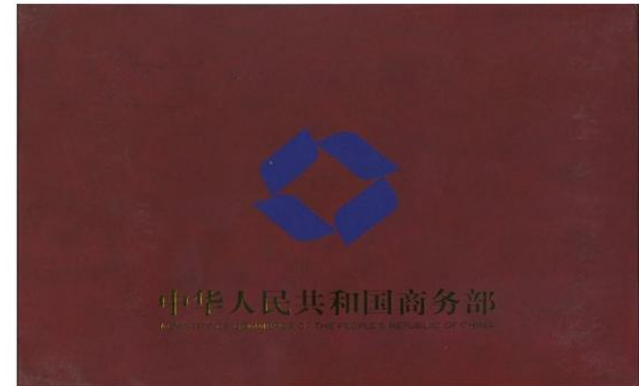


- The **cradle** of China's optical communication technology and the leading ICT provider in the world;
- The **only** company in the world who owns three strategic technologies in fiber-optic communication: optical communication system, optical component and optical cable and fiber;
- The **leading** wireless system provider in China with commercialized 4G/5G solution, including antenna and wireless optimization engineering;
- The **leading** high-tech enterprise in China with over 3000 experts in intelligent ICT applications, i.e., cloud data center, smart city, and smart transportation etc.



FitNet Solution for Telecom Operator





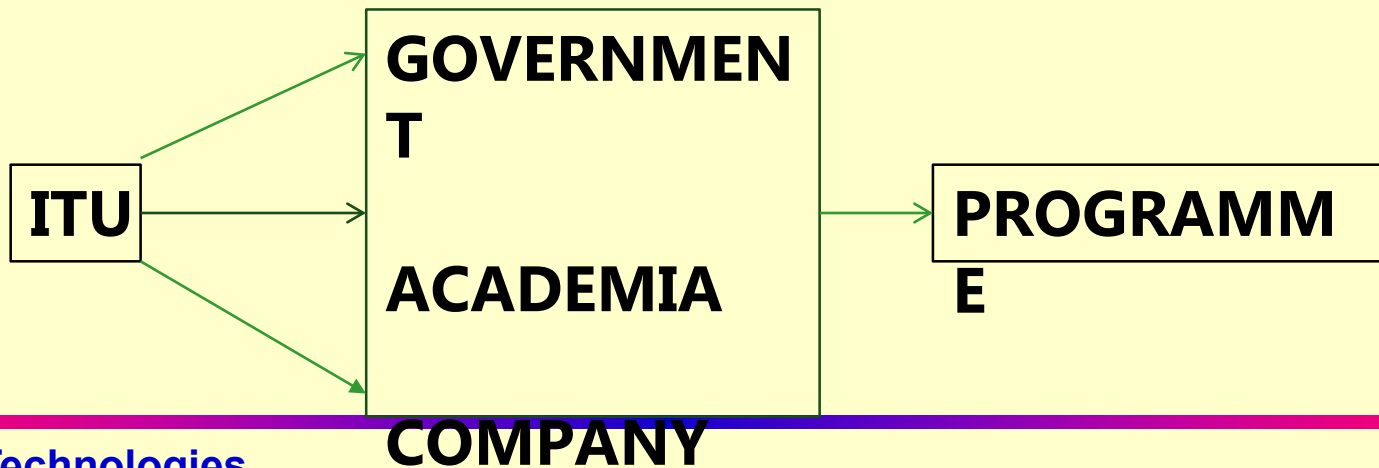
**ICT technology is standard round the world,
More people need to master ICT technologies;
More countries invest money in ICT training.**

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More CoE, More partners, More programmes

- CoE network is a good model for multi-stakeholder partnerships on capacity building, we need more CoE's in the delivery of their planned actions;
- we need more public-private partnerships (industry, government, academia) to join forces Alignment of training to industry requirements
- we need more flagship programmes and engage potential partners for the delivery of these programmes;
- we need provide platforms for dialogue and knowledge exchange in capacity building through regional and global forums.



1. Highlighting the strategic objectives of foreign assistance training and guiding practice.

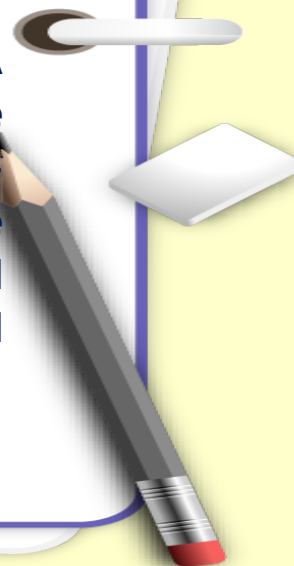


2.Targeting the needs of participants according to different themes and types of seminar and applying different plans accordingly

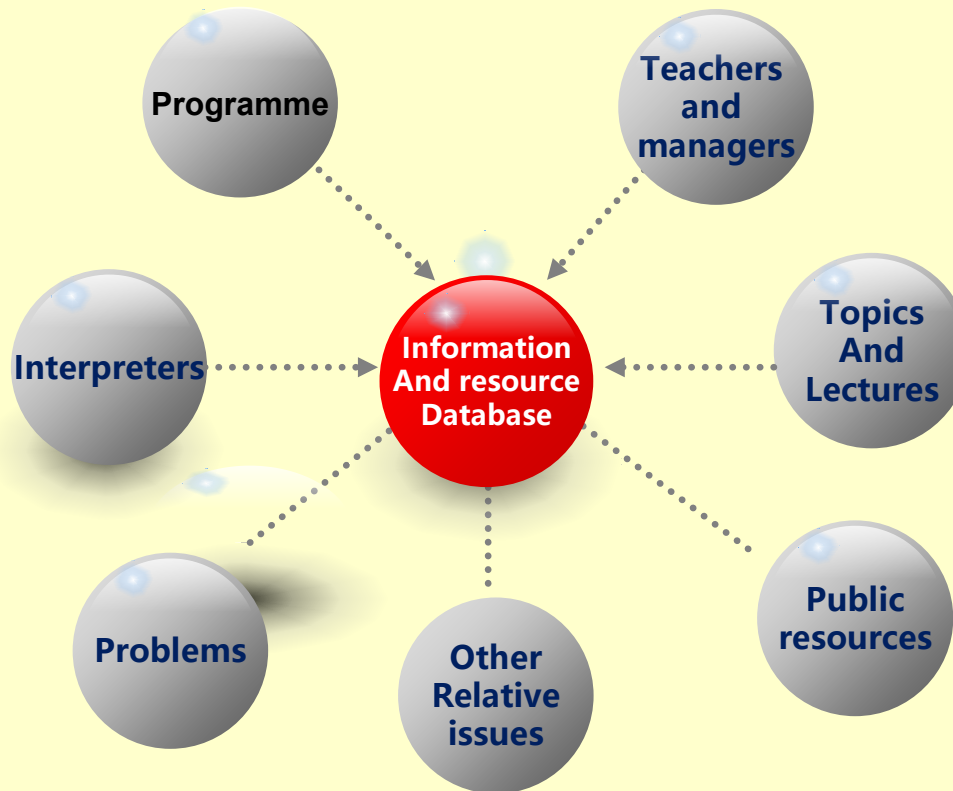


Projects with specific communication purposes or tasks

Under the guidance of Transforming our world by 2030: A new agenda for global action, those projects should be “custom designed” , their schedules should be problem-oriented and achievement-oriented. All lectures should be specific, more interactions and opinion exchanges should be conducted and more targeted official meetings should be carried out.



3.Share the training resource and infrastructure world wide with the ITU platform



Dankon

Terima kasih

شكرا

Obrigado

Ď ZŕčĚ

Danke

Спасибо

Gracias

谢谢

Thanks

धन्यवाद

Asante

Sağol

Merci

Cảm ơn bạn

Salamat

Mulțumesc