

# 13<sup>th</sup> Capacity Building Sub-Committee

# Capacity Building Development

## - Customized Capacity Building Programmes -

# East Asia Hydrographic Commission(EAHC)

# 27-29 May 2015

# Mexico City, Mexico



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# Introduction – The Challenges

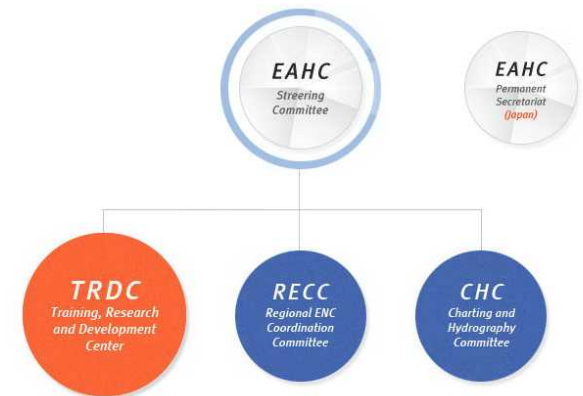
- Each HO provides internal training programmes
- Participate in IHO sponsored capacity building training programmes
- However, the success of these programmes have been limited .
- The limited human resources :
  - ✓ Challenges faced in the sustainability of hydrographic work and projects when officers:
    - Move/promoted to different positions, retire or resign.
    - Difficult to release staff for long periods of training, especially overseas.

# Introduction - The Challenges

- IHO CB programmes are delivered in English
  - Countries with limited English proficiency have expressed difficulties in fully grasping course contents.
  - Usually one officer per country attends.
  - Find challenges when applying what they have learnt to their work and spreading their knowledge to other staff
- The EAHC Steering committee recognized the need for coordinated and standardised training in the region.
- The Training, Research and Development Centre (TRDC) was established in Feb 2013 to provide CB programmes to meet changes in technology.

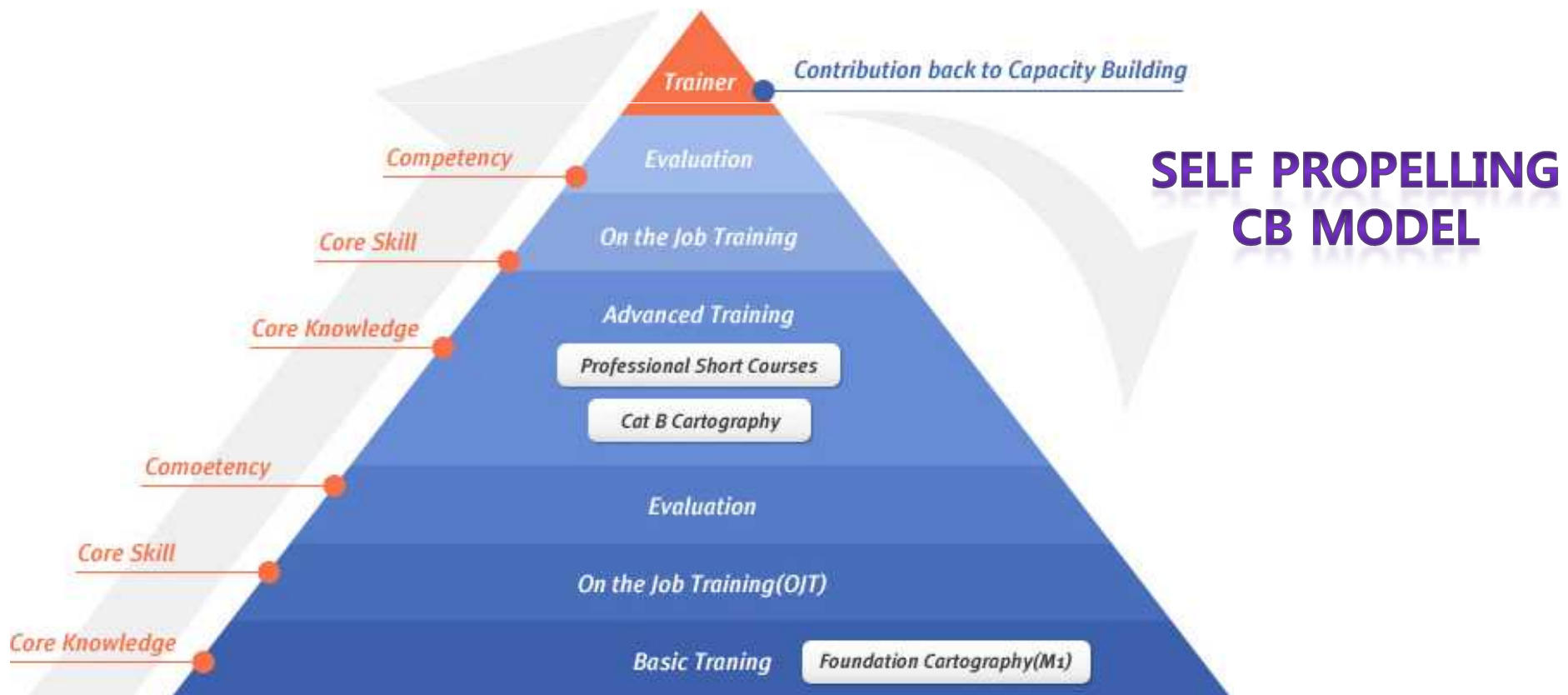
# Formation of the TRDC

- Main Objectives of the TRDC
  - To plan, develop and implement the training and R&D programmes
  - Extend to non EAHC MS
- The composition of the TRDC Board of Director (BOD)
  - Chair(Jamie, Singapore) and Vice-Chair(Yong, S. Korea)
  - One representative from EAHC MS
  - Meet at least once a year (4<sup>th</sup> TRDC BOD in Philippines at Sep.2015)
  - Reports to the SC for approval of programmes
- TRDC based in KHOA (Busan, ROK)
- TRDC Logo and website
  - <http://trdc.eahc.asia>



# Concept of TFT and Basic course

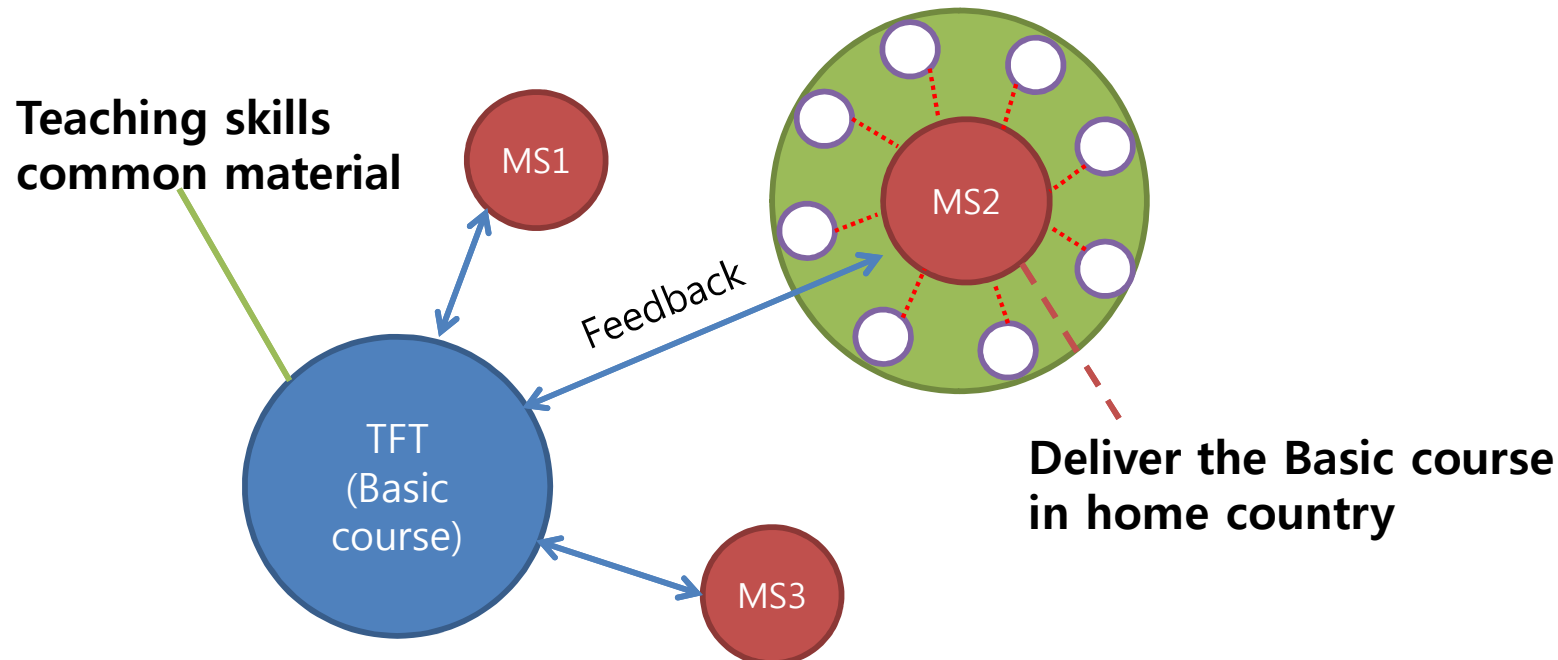
- EAHC TRDC adopted the “Self-Propelling Capacity Building” model.
- Allows development of customized training programmes
  - Training for Trainers (TFT)
  - Basic courses for Cartography and Hydrography



# Concepts of TFT and Basic course

- **What is TFT...**

- Designed to identify and develop master trainers (from each HO) in the areas of hydrography and cartography
- These master trainers undergo teaching courses to be more effective teachers
- The master trainers then plan and conduct training courses in their own country delivered in their mother tongue
- Progressively, this allows the pool of hydrographic experts to grow sustainably



# Concepts of TFT and Basic course

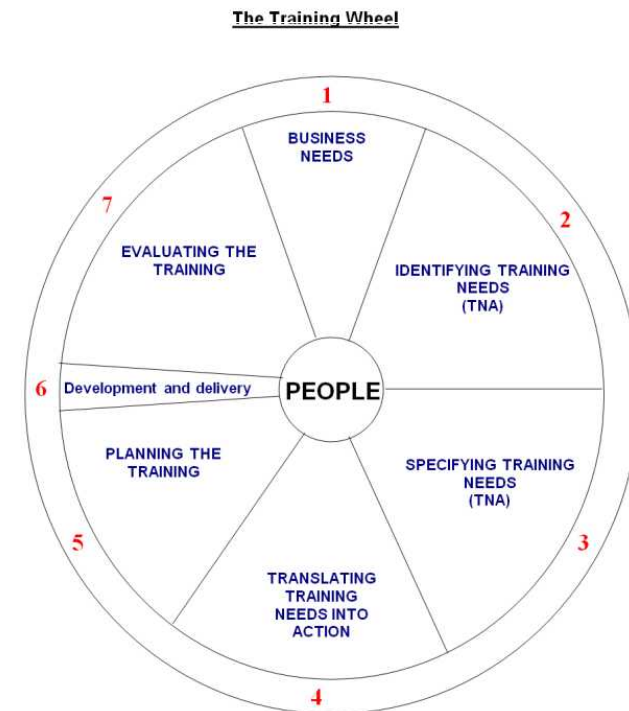
- **What is Basic course...**
  - ✓ Basic training course in Cartography and Hydrography.
  - ✓ Based on a common course syllabus.
    - ✓ Aims to harmonise standards in the EAHC
  - ✓ A 3-week basic job training course- theory and practicals
  - ✓ Obtain fundamental job skills and be quickly deployed at the job site with supervision.
  - ✓ Trainees to be assessment by the Trainers
  - ✓ Future plans to set up an EAHC Assessment Board
- Basic course can be a key to addressing the lack of human resources in hydrographic field in the East Asian region.





# Concepts of TFT and Basic course

- TFT can be applied to all types of training programmes.
  - Master trainers are expected to hold extensive knowledge and experience in their respective expertise.
  - Required to have an excellent delivery of course contents, suitable teaching methodology, practice execution skills and teaching material development skills etc.



# Training for Trainer\_ Cartography

- 1<sup>st</sup> TFT Carto Workshop took place from 18<sup>th</sup> -29<sup>th</sup> Nov. 2013 at KHOA
  - 18 trainees from 8 EAHC MSs
  - Training skills and develop the EAHC common basic Cartographic course.
  - Conducted by UKHO
- Evaluation
  - All delegates successfully completed the course and are capable of further developing and delivering the basic course that suits their own HO s requirements



# Training for Trainer\_ Cartography

- 2<sup>nd</sup> TFT took place from 27<sup>th</sup> -7<sup>th</sup> Nov. 2014 at KHOA
  - 13 trainees from 7 EAHC MSs
  - 2014 TFT is to complement and improve the first basic course, reflecting additional requirements concerning teaching experience of each country's instructor, curriculums of the course, and teaching materials after the completion of the 1<sup>st</sup> TFT
  - Workshop conducted by UKHO



# Conduct of Basic Cartographic Course

- In 2014
  - Master Trainers Conduct Basic course in their own country**
    - Indonesia : 10 person,      - Malaysia : 15 person
    - ROK : 13 person.              - Singapore : 2 person
- Plan of Basic course in their own country in 2015
  - Indonesia, ROK, Malaysia, Philippines, Singapore, China



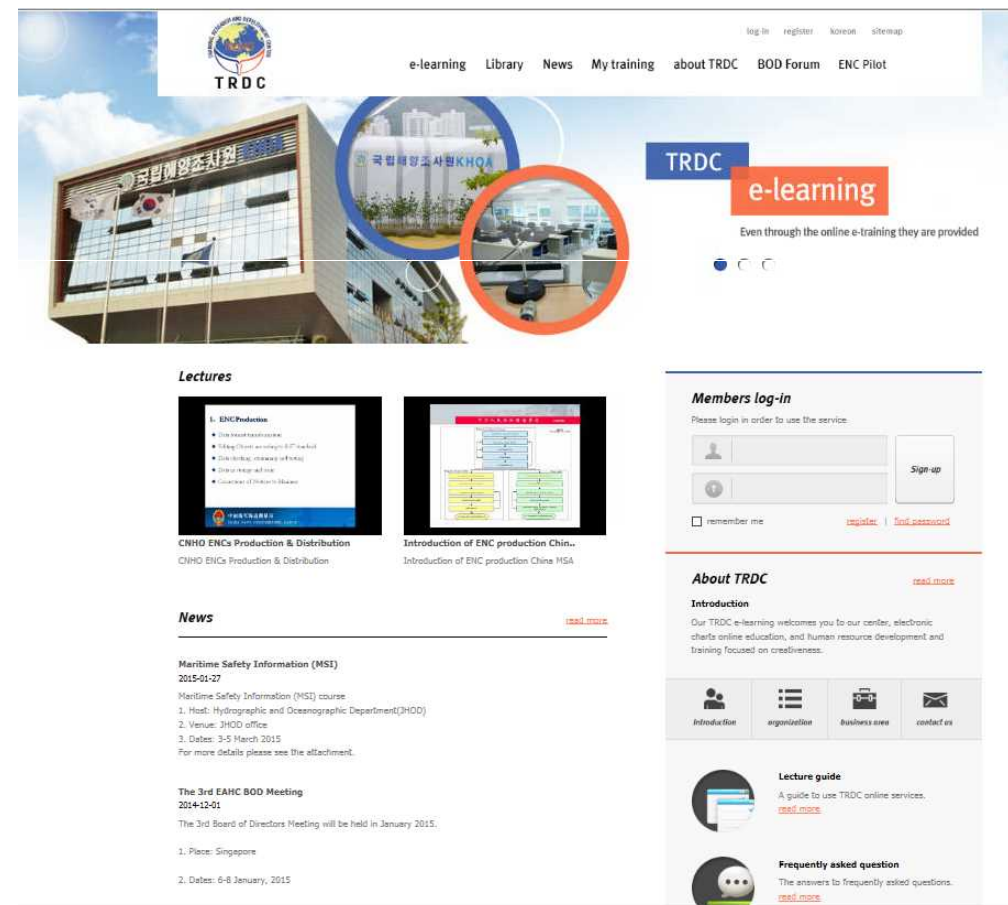
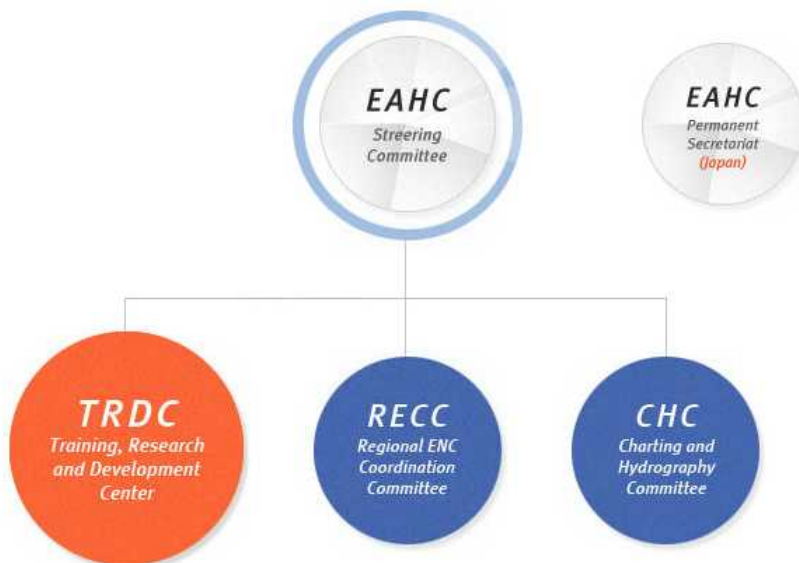
# TFT in Basic Hydro Survey

- Basic Hydro survey course was discussed in 2011 EAHC meeting is composed of two subjects
  - Hydrographic survey
  - Survey data post processing
- EAHC discussed and plans to implement TFT hydro course in 2015.
  - Review syllabus of Basic hydrographic course
  - Develop common basic material
  - Training skills etc.



# TRDC website

- Purpose of the website
- Functions of website : Training videos, trainees training roadmap, e-learning....



# e-Learning

- E-learning contents design and the research for management plan to extend opportunities to provide effective and economical training courses in the hydrographic field (2013 ~ 2014)
  - Functions and components of e-learning system for establishing e-learning system
  - E-learning development procedure model
  - Contents design strategies to deliver knowledge and to provide opportunities of practice
  - Operational strategies for e-learning and methods for continuous maintenance
  - Research for future plans include Learning community formation, e-learning establishment based on Emotion, Flipped Learning combining on line and off line, and Blended Learning



# Conclusion

- Lessons Learnt
  - The implementation of the CB model is at its early stage.
  - Well received and participated by EAHC Member States.
  - TFT and basic courses in Cartography have proven to be successful.
  - Will extend to hydrography
  - The EAHC CB programme to include new members Vietnam and Brunei Darusallam



Thank you