

Updates of Telemedicine in Asia and Latin America

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Nov 28, 2018 @ Telemedicine WS, Puerto Varas, Chile



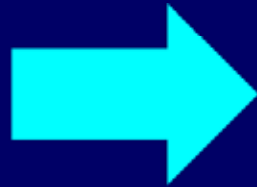
TELE-MEDICINE: during the last a few decades



1990s:

- Bad image
- High cost

REN

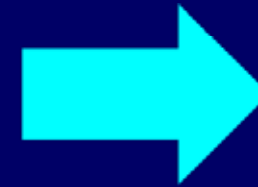


DVTS

2000s:

- Good quality
- Low cost

NW



Tech

2010s:

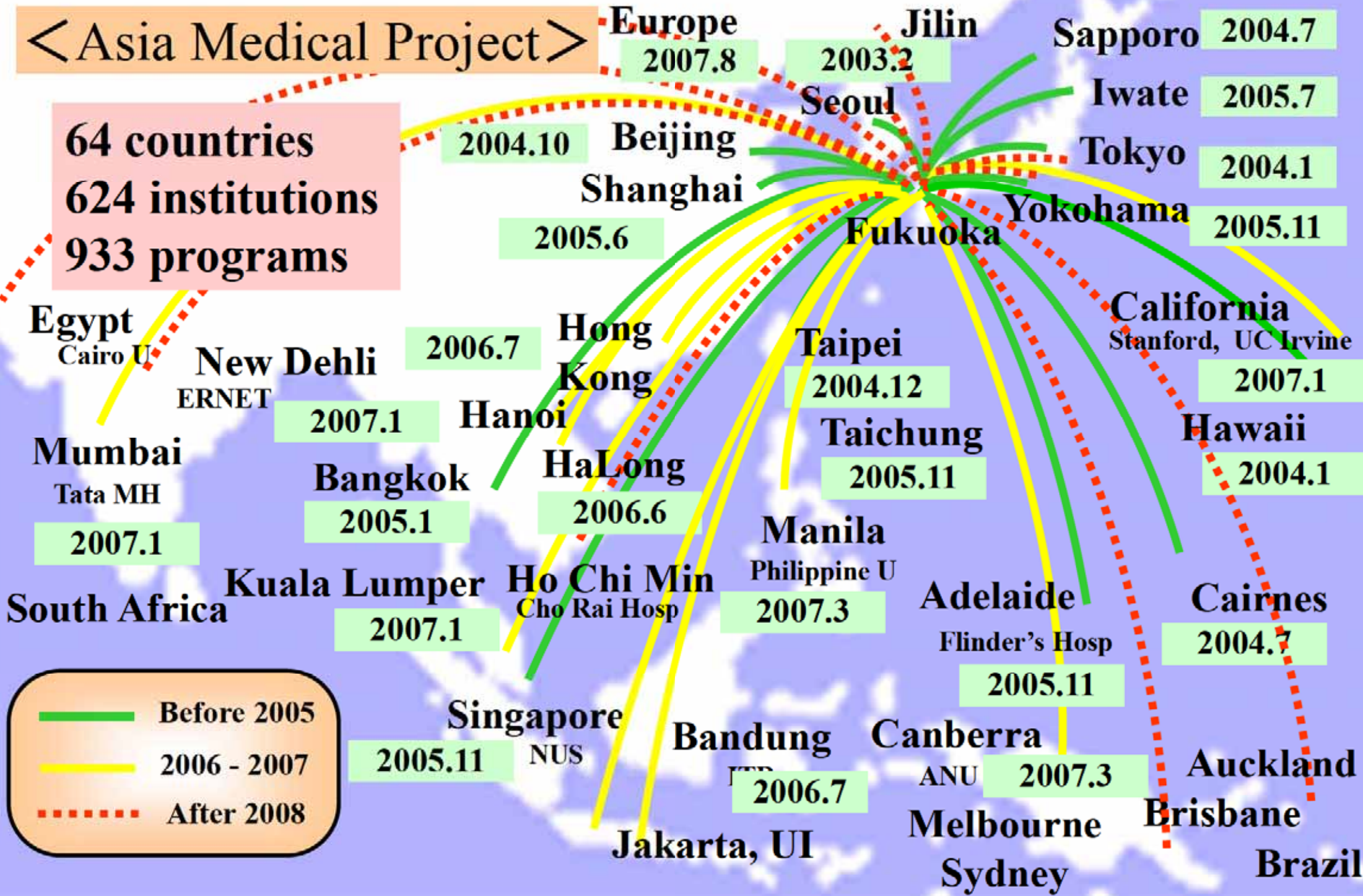
- Rural areas
- User friendly

REN: research and education network
DVTS: digital video transport system

NW: network
Tech: technology

< Asia Medical Project >

64 countries
624 institutions
933 programs



— Before 2005
— 2006 - 2007
⋯ After 2008

Teleconference Systems in TEMDEC

2010s

DVTS

- Low compression
- High bandwidth



Free software developed by WIDE project since 1998

Manufactured by Polycom, Lifesize, Sony, etc



H.323

- Popular
- Expensive

Easier, cheaper, and more convenient!

Multipoint teleconference system conformable to H.264

Vidyo



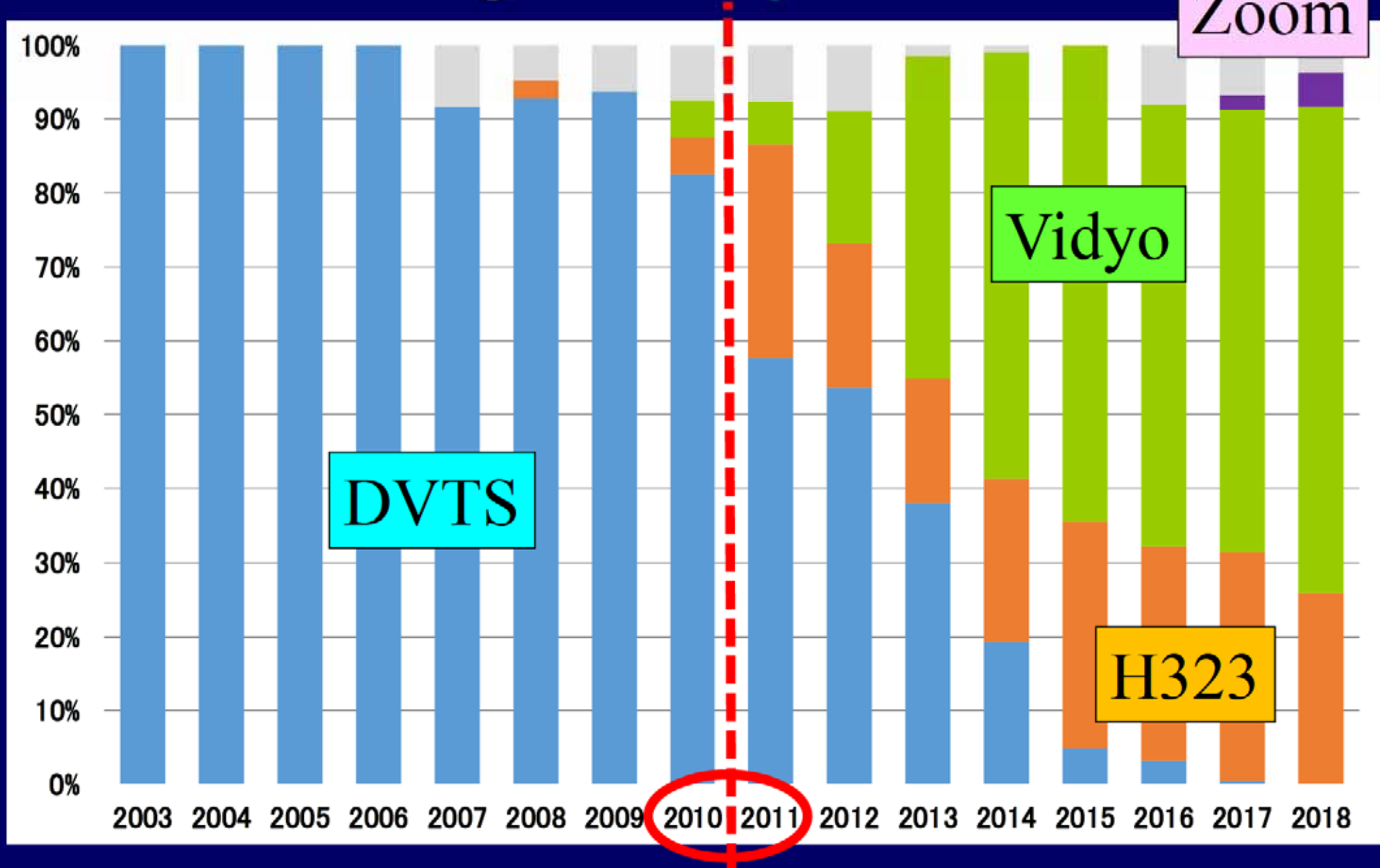
- Low bandwidth
- Low cost
- Easy to connect



Cloud-based multipoint teleconference software available on multi-device

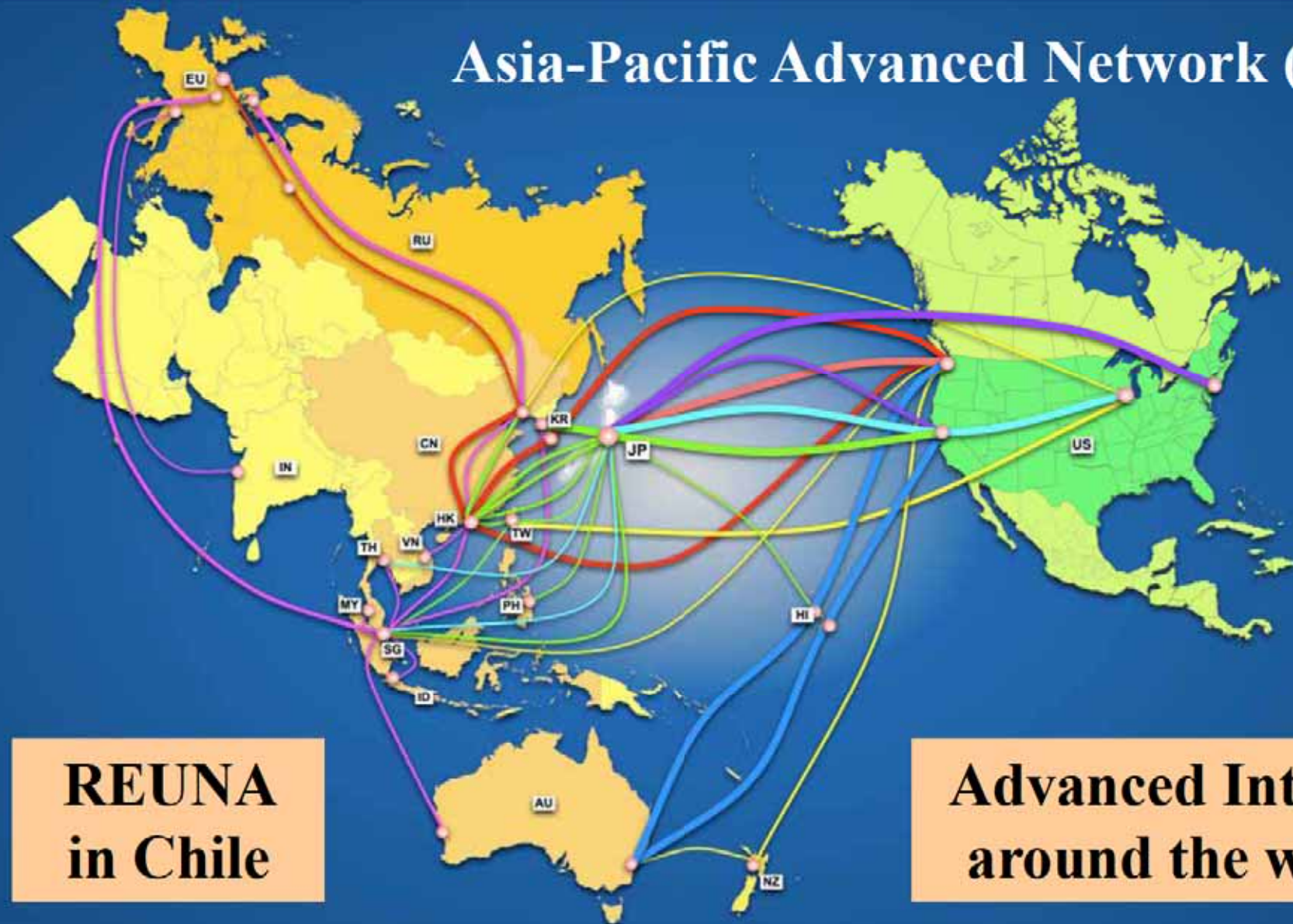
Zoom

Changes in: System



Research & Education Network (REN)

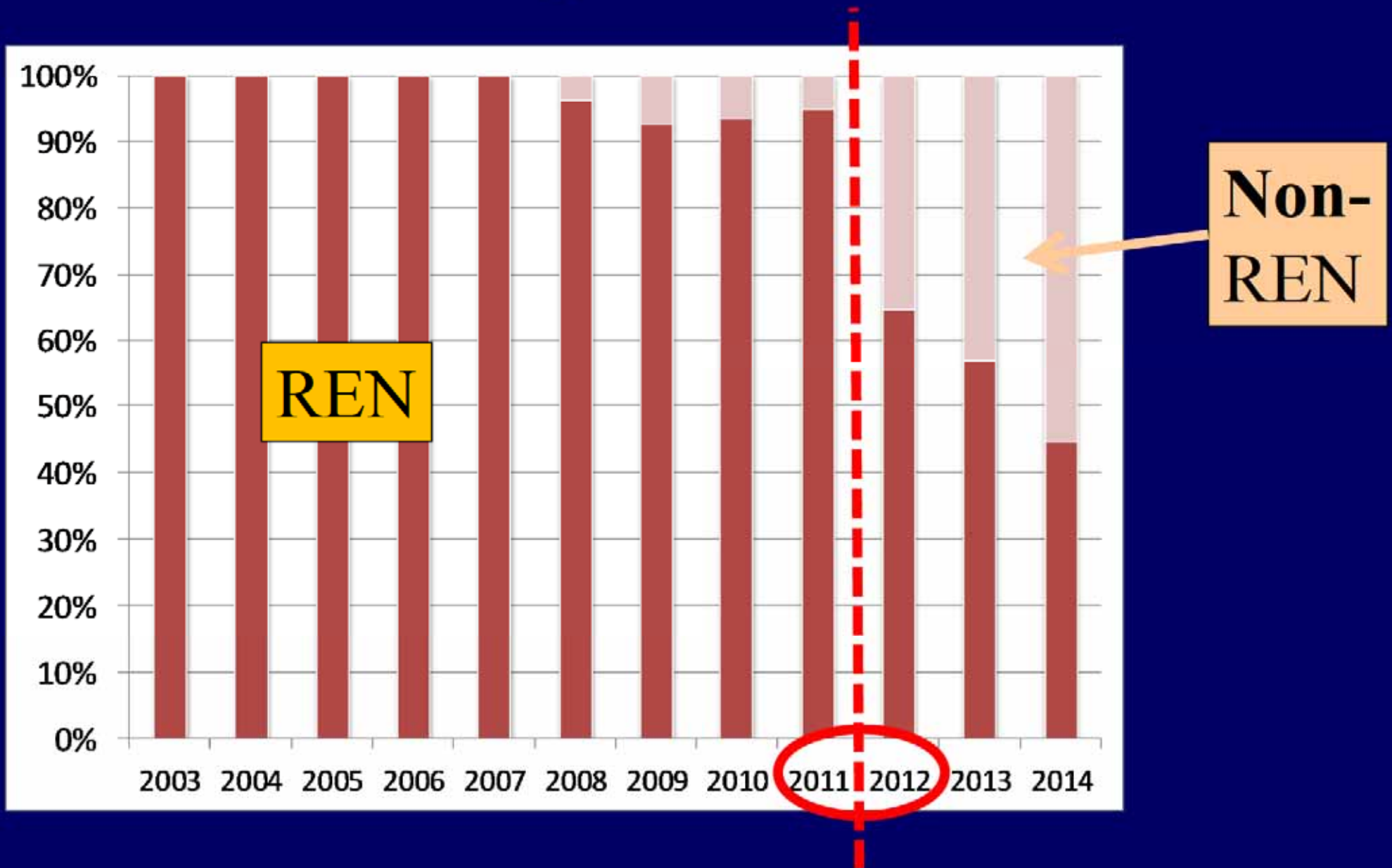
Asia-Pacific Advanced Network (APAN)



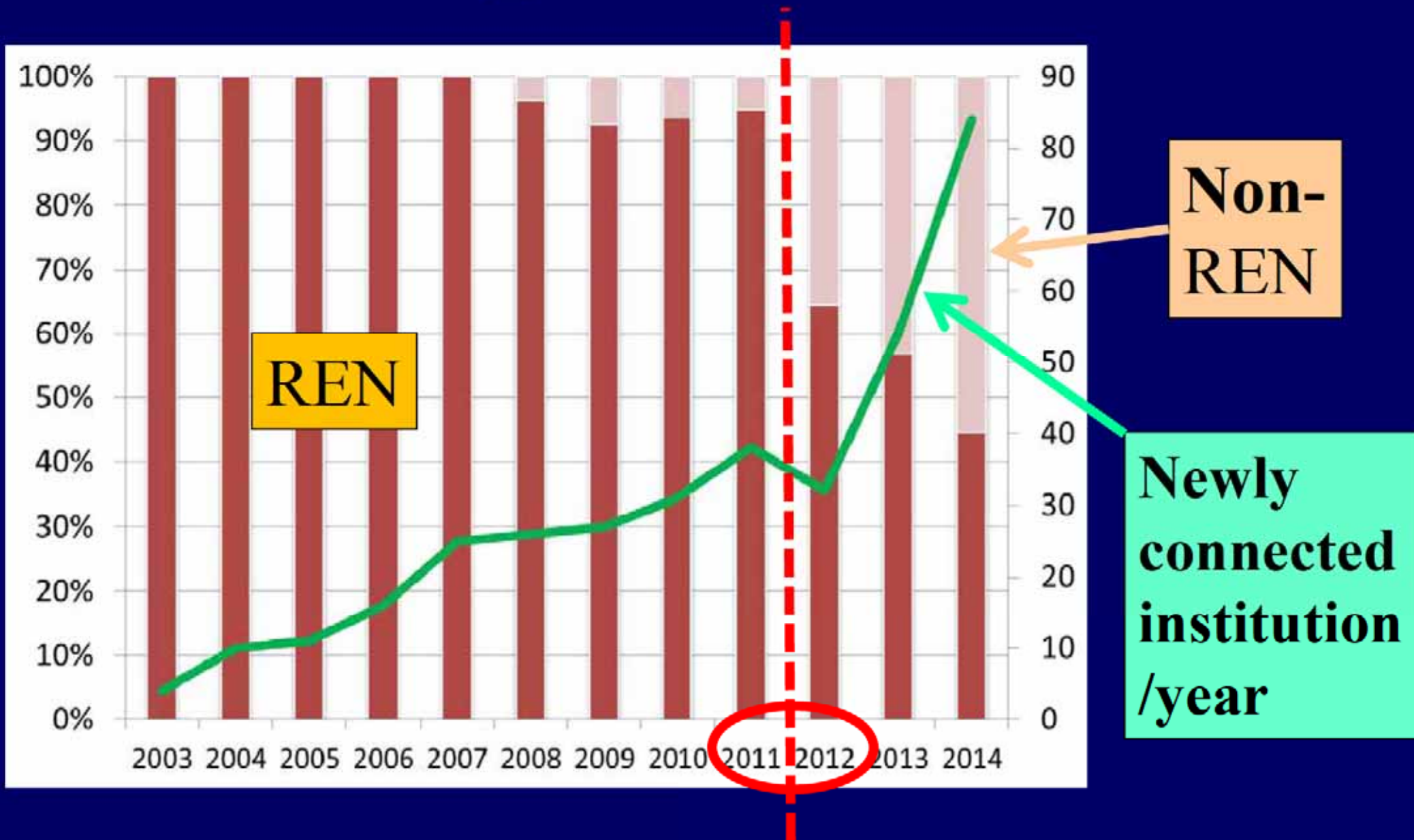
**REUNA
in Chile**

**Advanced Internet
around the world**

Changes in Network



Changes in: Network



Regular Teleconference on Endoscopy

- ✓ **China**-Japan Early Gastric Cancer Teleconference
Since 2007; Has been held 27 times
- ✓ Endoscopy Club E-conference (ECE)
Since 2014; Has been held 19 times
- ✓ Pan-**Indonesian** Monthly Teleconference
Since 2016; Has been held 15 times
- ✓ Endoscopy Teleconference with **Russia**
Since 2017; Has been held 5 times

Endoscopy Club E-conference



A - PSDE

April 2018

Japan-1

National Cancer Center Hospital VR

PAHS-Pramod

Nepal

PPUKM

Malaysia-1

Vietnam

Cho Ray Hospital 1

University of Malaya

Malaysia-2

Singapore

APAN45 Venue

Japan-2

Nihon University

Indonesia

Saiful Anwar Hospital

India

Deenanath Mangeshkar Hospital

Thailand

Chulalongkorn University2

Self View

Japan-3

九州大学
KYUSHU UNIVERSITY

The 18th Endoscopy Club E-conference



The 1st Russia-Japan Endoscopy Conference

Moscow 1

Suburb of Moscow

2017.11

avel Pravednikov

Yaroslavl Regional Cancer Hospital

Moscow 2

Tokyo

говорная Женева (К

o University



5 sites

Kyushu Univ., JP



4th Russia-Japan Endoscopy Teleconference

2018.7

15

Yaroslavl Regi Yaroslavl Khabarovsk Khabarovsk Vologda Vologda

Juntendo Universit Tokyo, JP Nizhniy Nizhniy

KRENA Bishkek, KG Владивосток Владивосток DKB Yaroslavl Yaroslavl

Novosibirsk CCIM Bishkek, KG Bishkek, KG Moscow Moscow

九州大学 KYUSHU UNIVERSITY Fukuoka, J

12 sites (8 months later)

Vologda

- Vologda Regional Cancer Center

Yaroslavl

- Yaroslavl Regional Cancer Hospital
- Yaroslavl Clinical Railway Hospital

Novosibirsk

- Novosibirsk State Medical University
- Novosibirsk State Regional Clinical Hospital

Nizhny Novgorod

- Nizhny Novgorod Regional Clinical Oncology Center

Khabarovsk

- Khabarovsk Clinical Railway Hospital

Moscow

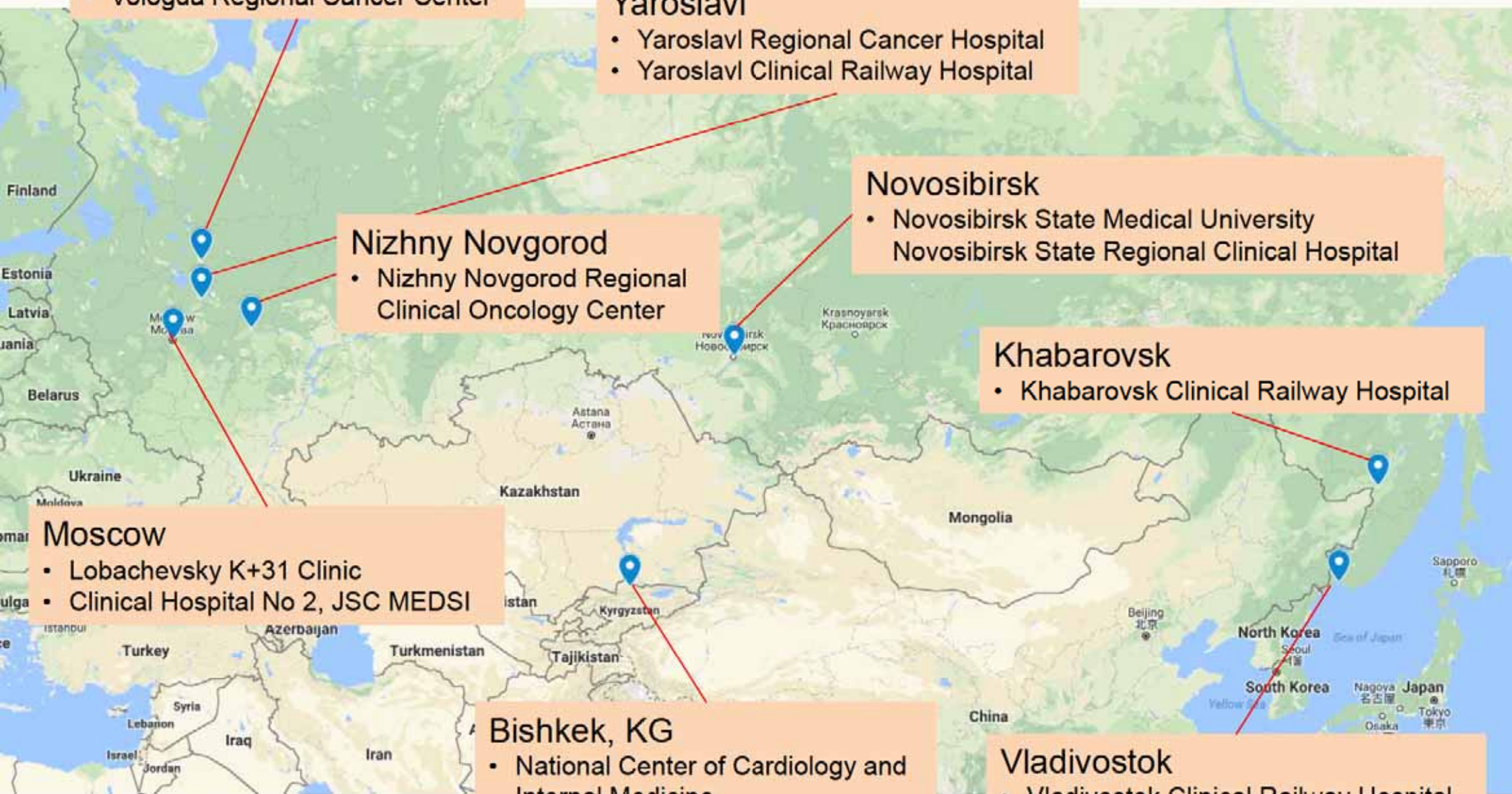
- Lobachevsky K+31 Clinic
- Clinical Hospital No 2, JSC MEDSI

Bishkek, KG

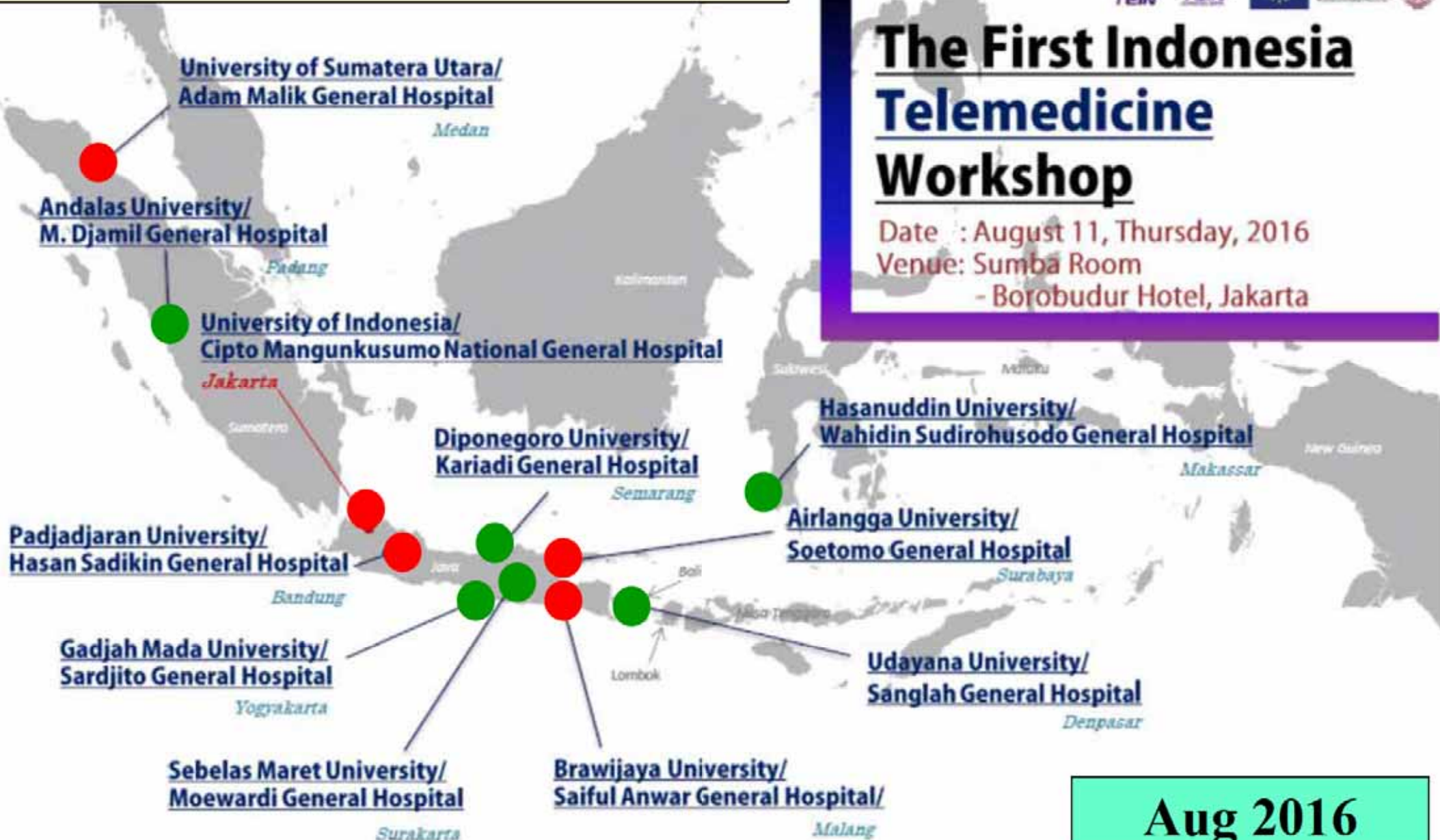
- National Center of Cardiology and Internal Medicine
- CAREN

Vladivostok

- Vladivostok Clinical Railway Hospital



Domestic Workshop



The First Indonesia Telemedicine Workshop

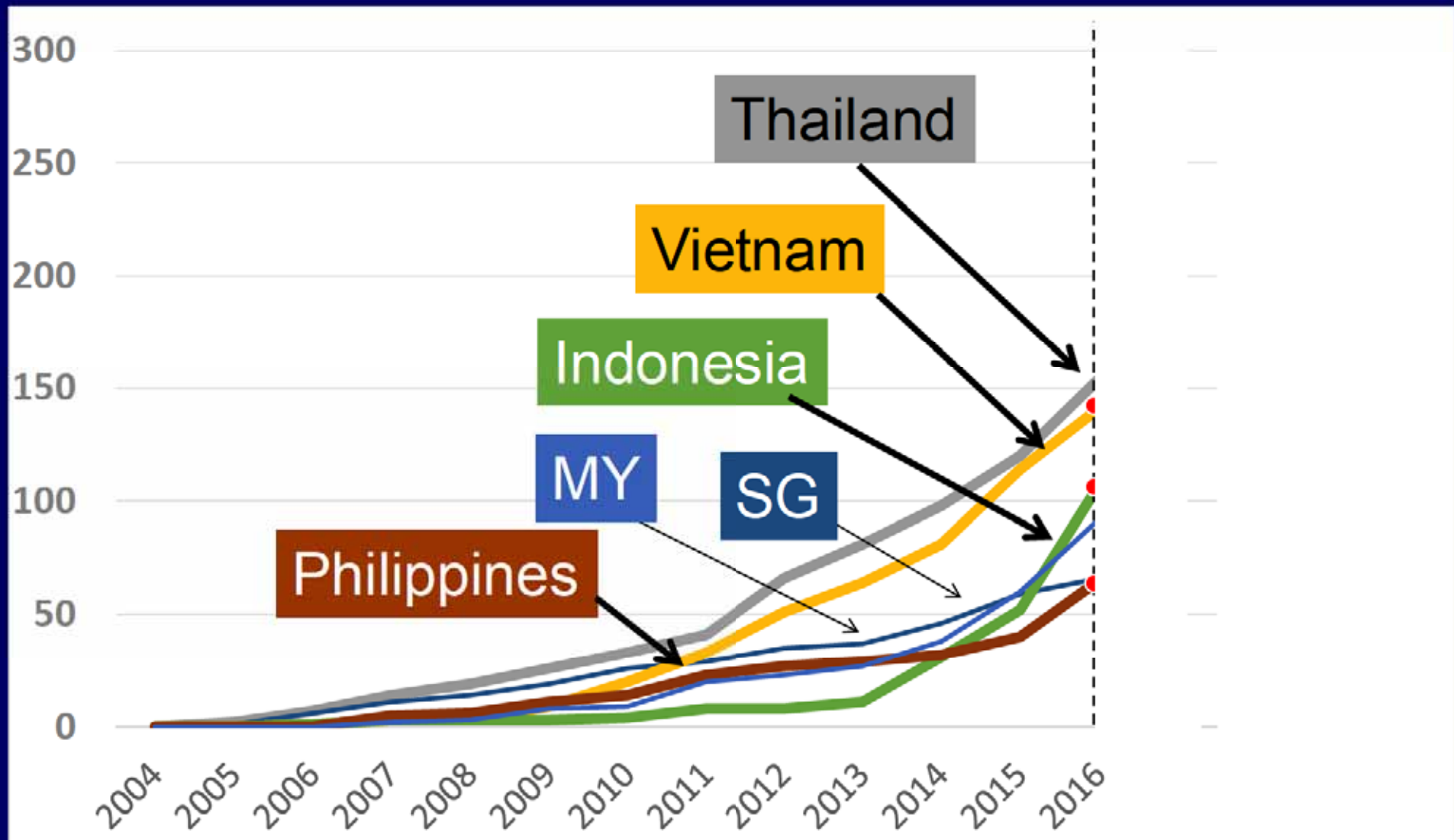
Date : August 11, Thursday, 2016
Venue: Sumba Room
- Borobudur Hotel, Jakarta

Aug 2016

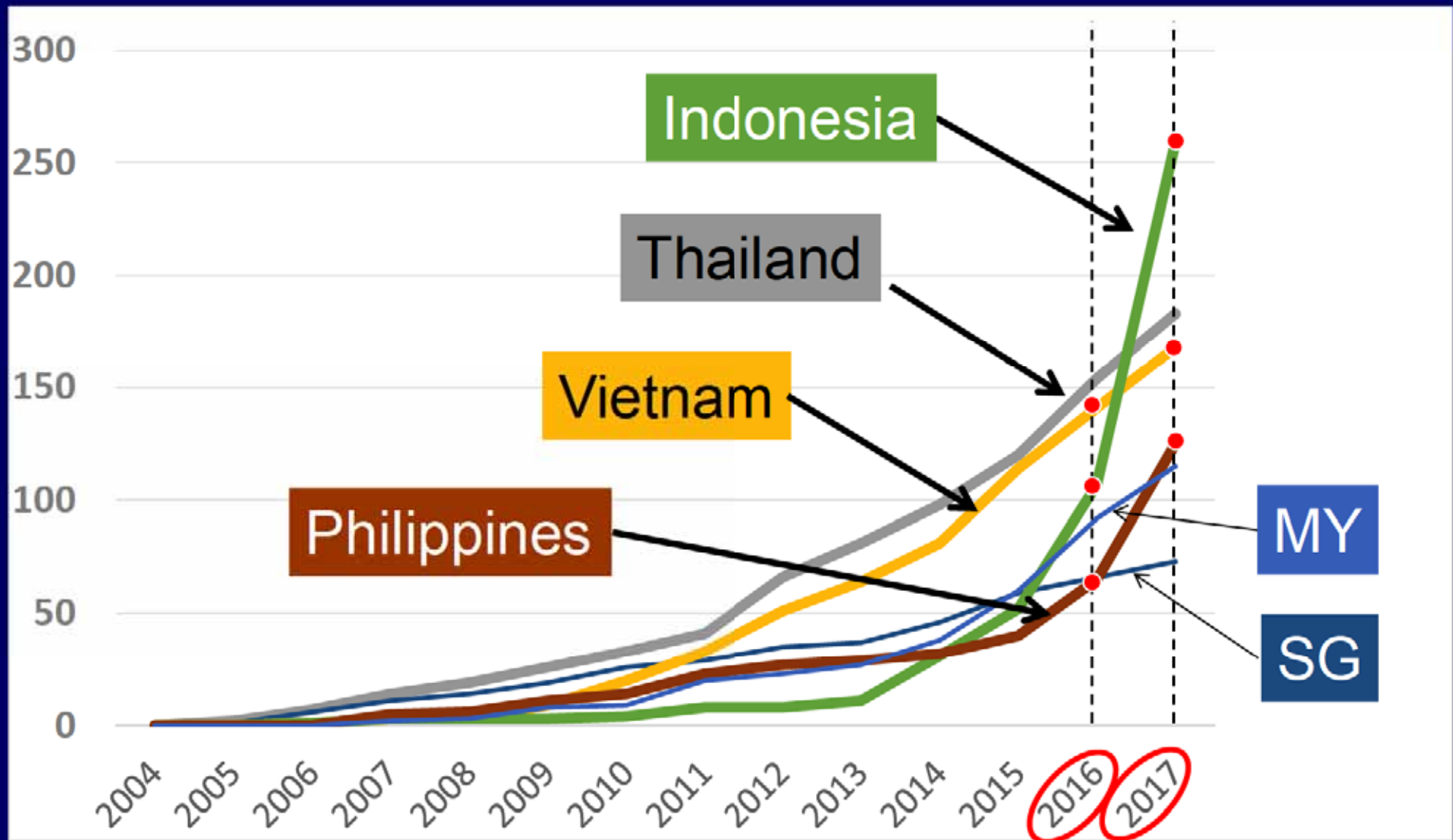
Pan-Indonesian Monthly Teleconference



Total Connections in 2016

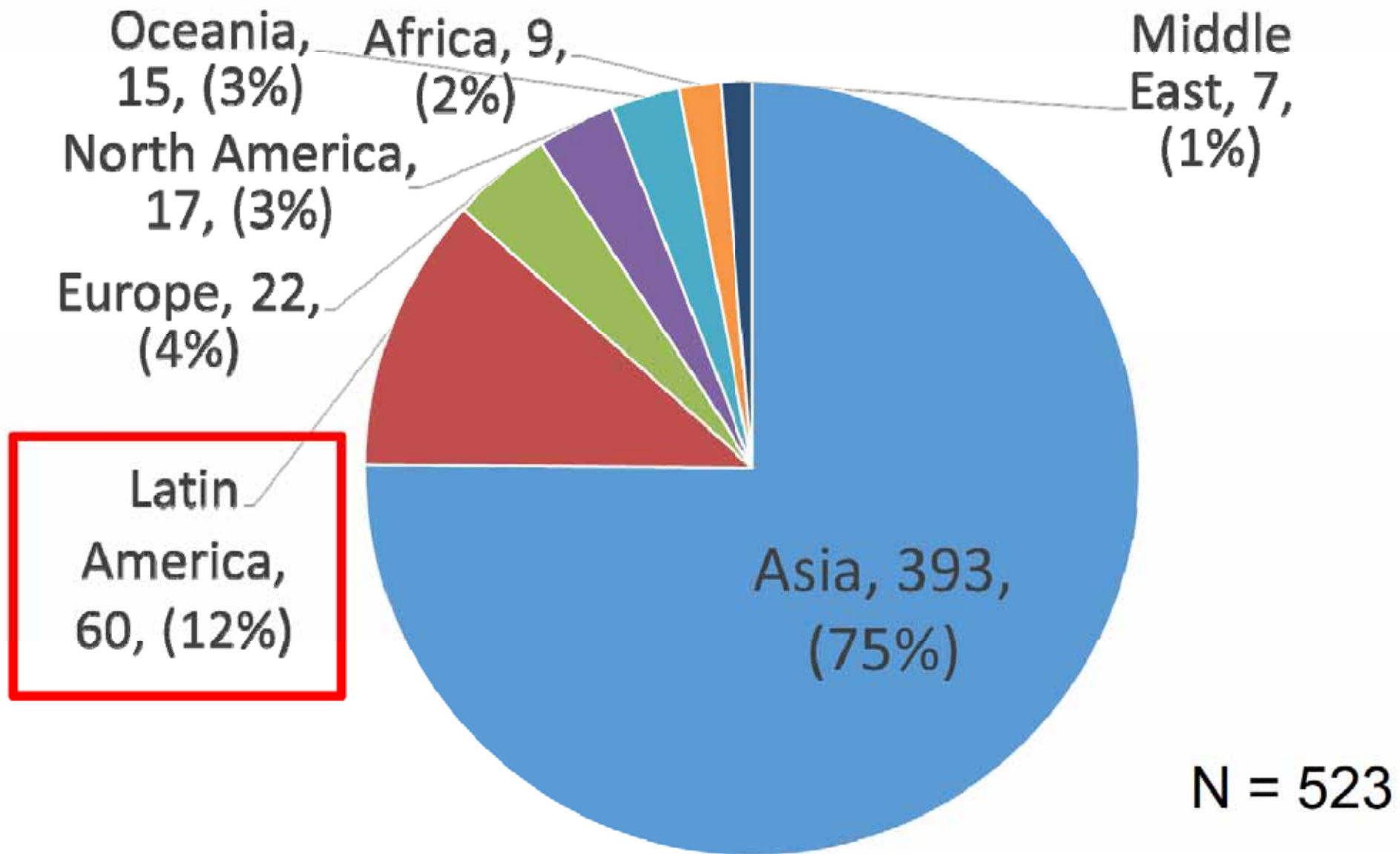


Total Connections in 2017



Number of Connecting Institutions

2009-2017

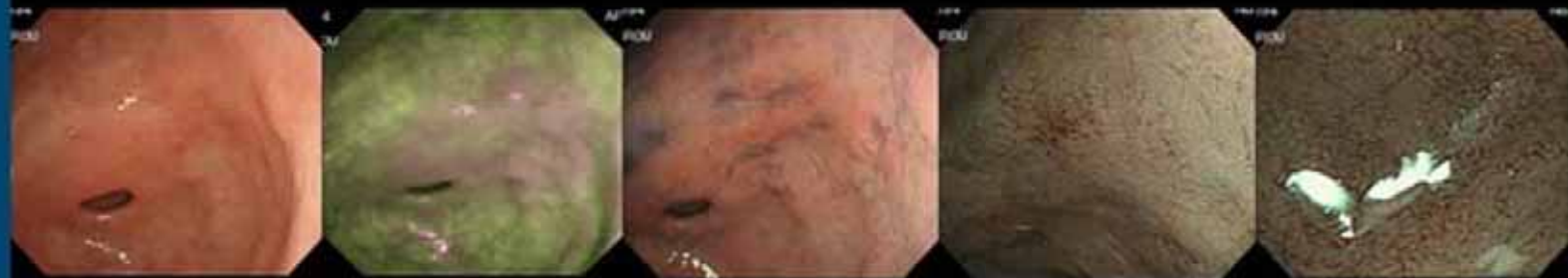


Regular Teleconference on Endoscopy

- ✓ **Latin American** Endoscopy Teleconference
Since **2013**; Has been held **17 times**
- ✓ **Bolivia** Endoscopy Workshop
Since **2015**; Has been held **4 times**
- ✓ **Mexico**-Japan Endoscopy Teleconference
Since **2015**; Has been held **15 times**

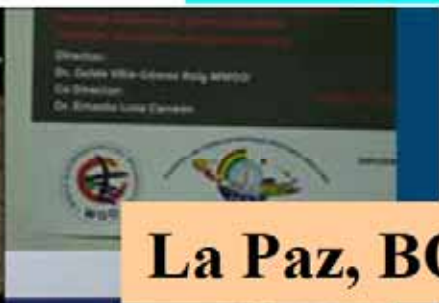
Latin

Teleconference with **Latin America** 2015.3



Gastric Cancer Screening in a High-Risk Country

Department of Gastrointestinal Oncology,
Osaka Medical Center for Cancer and Cardiovascular Diseases
Noriya Uedo



La Paz, BO



Osaka, JP



CR



Cali, CO



KUH, JP



BR



INN CZ, MX



Alemana, CL



MX

XIII International Course in **Bolivia**



TEMDEC, JP



2016.4



Dr Moriyama



Santa Cruz, BO

The First Telemedicine WS in Mexico



Merida, Yucatan
2018.11.16

Telemedicine Workshop
Endoscopy knowledge between Japan and MX

Merida, Yucatan FRIDAY 16 of November 2018
MEXICAN GASTROENTEROLOGY DISEASE WEEK

TEMDEC

Fiesta Americana Hotel in Merida
9.00 to 17.00
-Free entrance for
Registered assistants to the
Gastroenterology Disease Week
call
Mexican Association of
Gastroenterology
Tel 01 55 5639 0259

Directors:
Eng. Soledad Jaitta Villaseca (CUDI Mexico)
Dr. Shuji Shimizu (TEMDEC Japan)
Dr. Tomohiko Moriyma (TEMDEC Japan)
Dr. Miguel A. Tanimoto (INCMNSZ Mexico)

Coordinators:
Eng. Nancy Gertrudis (CUDI Mexico)
Eng. Shunke Tomimatsu (TEMDEC Japan)
Eng. Kuriko Kudo (TEMDEC Japan)

One year after in Chile...

- Has telemedicine been activated?
- What kind of programs started?
- How many hospitals joined?
- Current problems?
- What's NEXT?

