GLOBAL COOPERATION IN ICTs:
OPPORTUNITIES AHEAD

Gustavo Morales,
Project Department
gmoralesc@racsa.co.cr

Table of **Contents**

1. **About Costa Rica**
   - → **Country Profile**
   - → **Key Role of ICE and Racsa**
2. **Lessons Learned**
   - → **Korea-Costa Rica Collaboration in ICT (GCC)**
3. **The Way Ahead**
   - → **Korea-Costa Rica Collaboration in ICT (GCC)**

1.

About
Costa Rica

Costa Rica

Republic of Korea

-**Upper Middle Income**
-**Population:** 4,8
-**Area:** 51,100 km^2
-**GDP (per capita):** $10,432 (2015).
-**Political Situation:** 50 Year consolidated Multi-Party Democracy
-**Economic Development:** based on FDI Attraction, Service-Oriented, R&D and Innovation Promotion and Tourism

Network Readiness Index

Rank	Economy	Info	Value	Trend	Distance from best
1	Singapore	ⓘ	6.0	—	
2	Finland	ⓘ	6.0	—	
3	Sweden	ⓘ	5.8	—	
38	Chile	ⓘ	4.6	—	
44	Puerto Rico	ⓘ	4.5	—	
46	Uruguay	ⓘ	4.5	—	
49	Costa Rica	ⓘ	4.4	—	

	Rank (out of 143)	Value (1–7)

Networked Readiness Index 2015 .... 49 .. 4.4

Networked Readiness Index 2014 (out of 148)........................... 53 ..... 4.2

Networked Readiness Index 2013 (out of 144)........................... 53 ..... 4.1

A. Environment subindex .... **66 ..... 4.0**

1st pillar: Political and regulatory environment......................... 63 ..... 3.8

2nd pillar: Business and innovation environment.................... 78 ..... 4.1

B. Readiness subindex .... **51 ..... 5.2**

3rd pillar: Infrastructure .... 91 ..... 3.3

4th pillar: Affordability.. 16 ..... 6.4

5th pillar: Skills.. 26 ..... 5.7

C. Usage subindex .... **44 ..... 4.3**

6th pillar: Individual usage.. 56 ..... 4.6

7th pillar: Business usage .... 39 ..... 4.0

8th pillar: Government usage .... 54 ..... 4.3

D. Impact subindex .... **41 ..... 4.1**

9th pillar: Economic impacts... 47 ..... 3.5

10th pillar: Social impacts .... 41 ..... 4.8

Source: Network Readiness Index, WEF, 2015
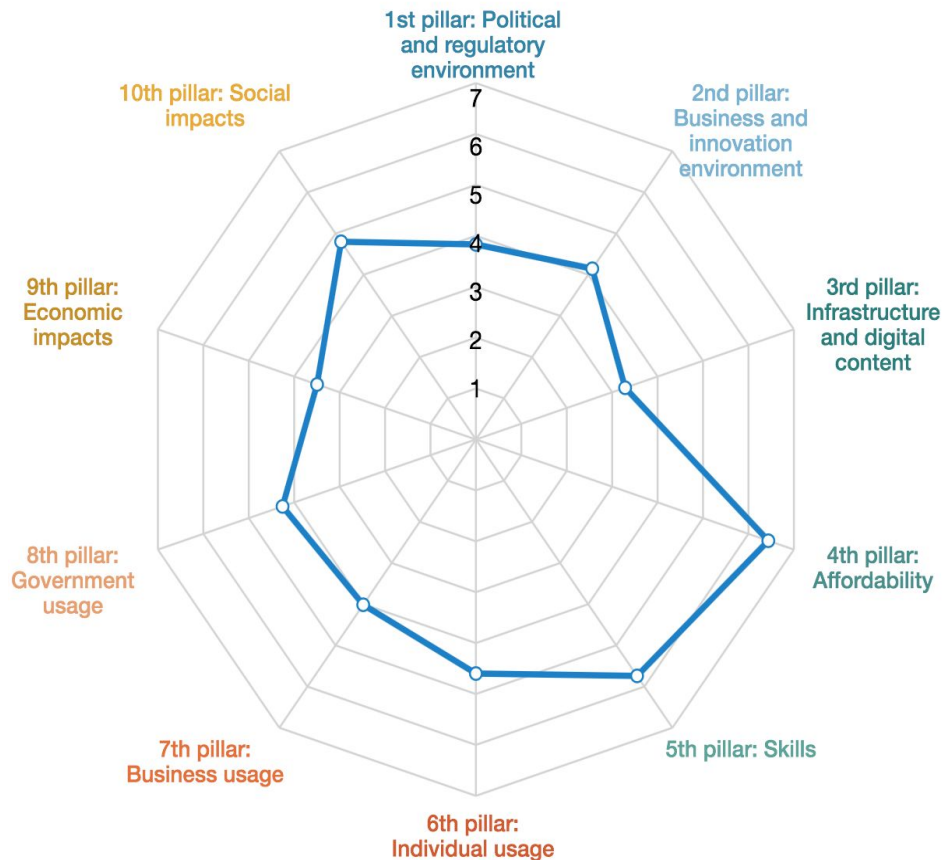
Global Innovation Index
(Top Performers per Region)

EUROPE
1 Switzerland
2 UK
3 Sweden

CENTRAL & SOUTHERN ASIA
1 India
2 Kazakhstan
3 Sri Lanka

NORTHERN AMERICA
1 USA
2 Canada

NORTHERN AFRICA & WESTERN ASIA
1 Israel
2 Cyprus
3 Saudi Arabia

SOUTH EAST ASIA & OCEANIA
1 Singapore
2 Hong Kong (China)
3 Republic of Korea

LATIN AMERICA & THE CARIBBEAN
1 Chile
2 Costa Rica
3 Mexico

SUB-SAHARAN AFRICA
1 Mauritius
2 South Africa
3 Senegal

Source: Global Innovation Index

Digital Divide Index (Costa Rica)
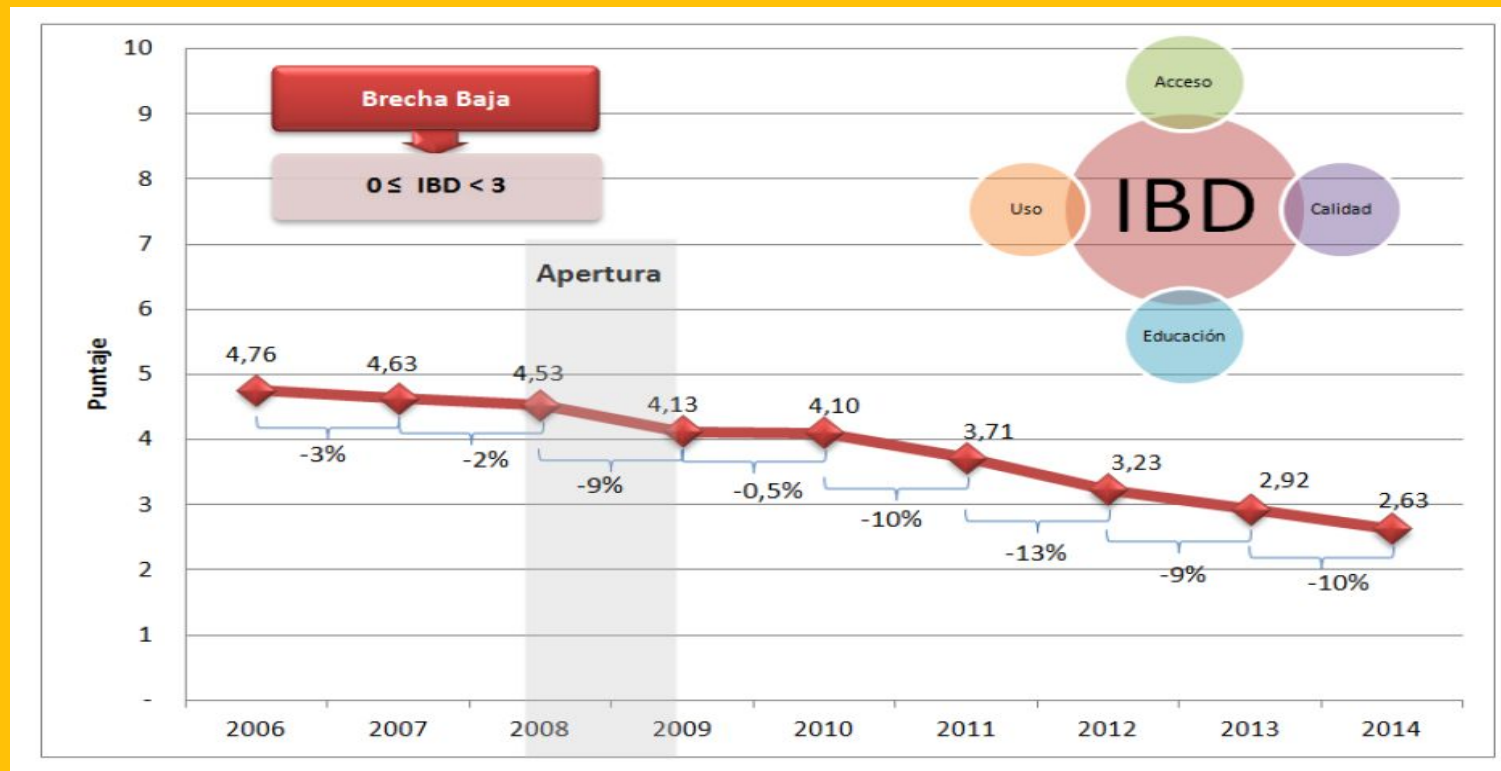
Other indexes...

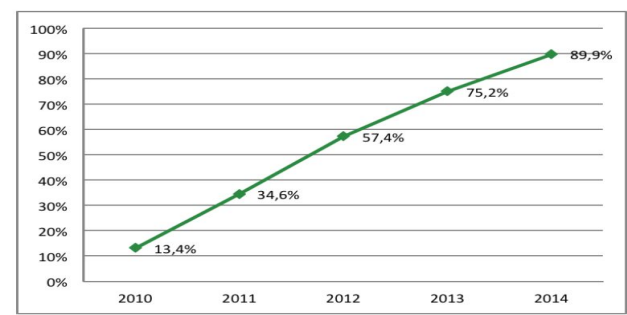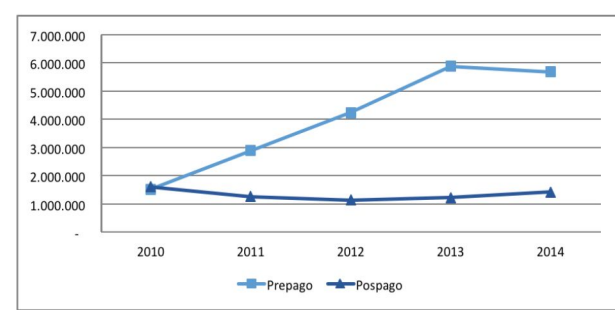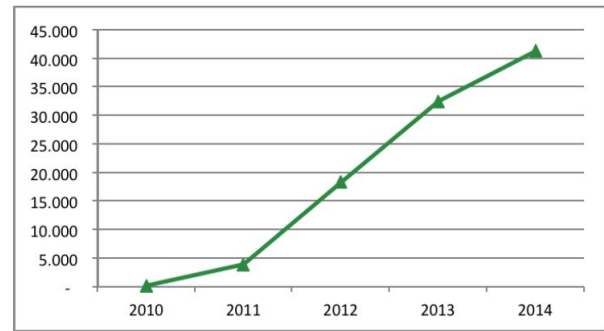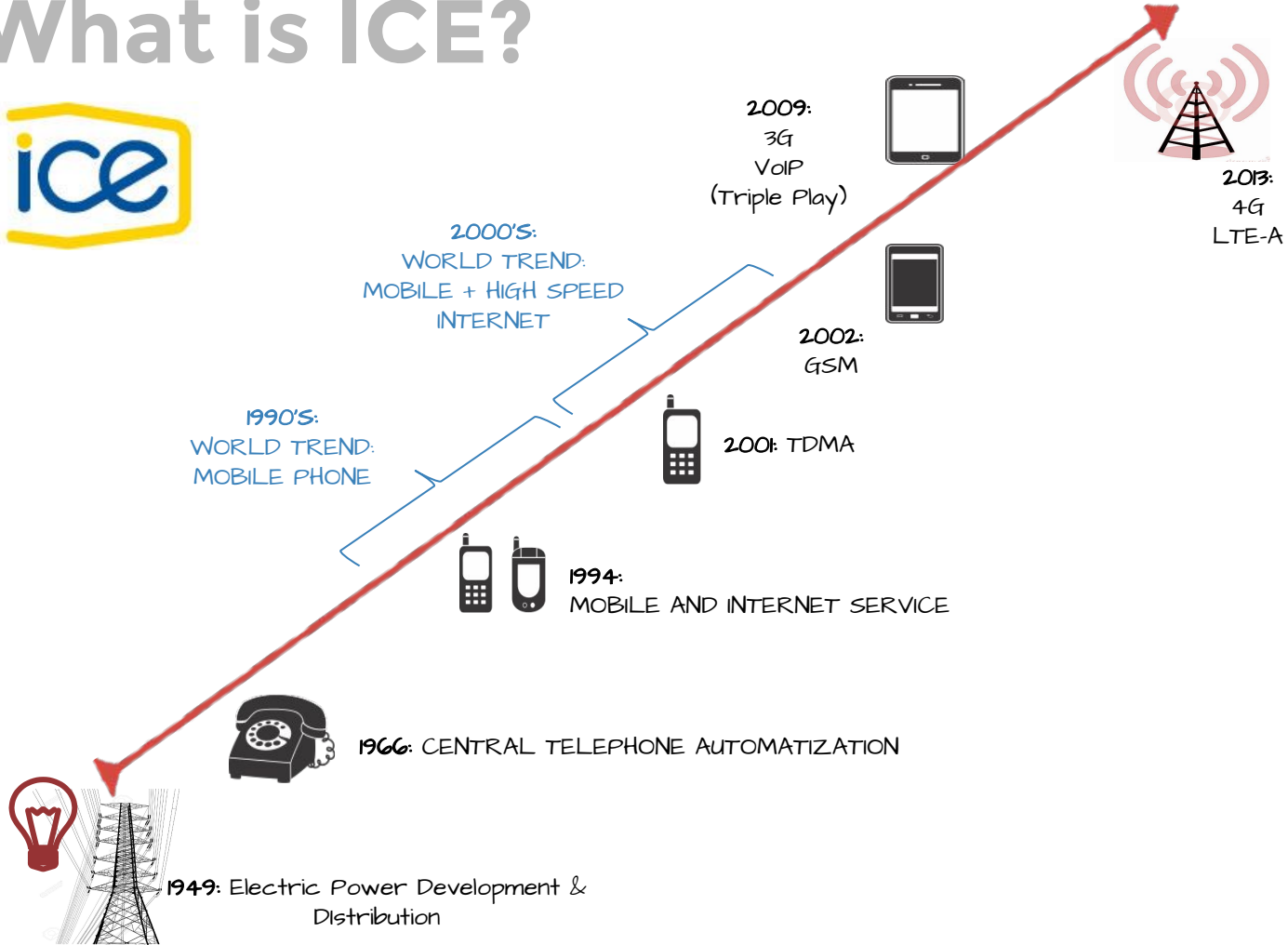|	
e-Gov Development Index (UNDESA, 2014) (54th Globally - 5th in the region)	**High EGDI 0.60611**
Broadband Development Index (19th Globally - 2nd in the region)	**4.23**
ICT Development Index Rank (ITU, 2013) (55th Globally - 6th in the region)	**5.92**
Mobile - Cellular Subscriptions (ITU, 2014) Outpace	**128.01% growth**
Mobile - Internet Service (per 100 habitants, 2014)	**89.9%**

On-going Accession Process

✓ **Contributing member to the Board of Digital Strategies Government.**

What is ICE?

2009:
3G
VoIP
(Triple Play)

2013:
4G
LTE-A

2000'S:
WORLD TREND:
MOBILE + HIGH SPEED
INTERNET

2002:
GSM

1990'S:
WORLD TREND:
MOBILE PHONE

2001: TDMA

1994:
MOBILE AND INTERNET SERVICE

1966: CENTRAL TELEPHONE AUTOMATIZATION

1949: Electric Power Development &
Distribution

The Costa Rican Electricity Institute (ICE) was established with the aim to provide electricity and distribute power, across national territory.

Law No.449 April 8, 1949

But in 1963 an additional goal was added to its vision:

▸ the establishment , improvement , extension and operation of telephone services , wireless telegraphy and radio-telephone in the country.

...a tu lado **ice**

TODAY ICE IS CONSTITUTED BY:

cnfl ice

COMPAÑÍA NACIONAL DE FUERZA Y LUZ, S.A. (CNFL)

CableVisión
Fibra Óptica

racsa ice

Digital Promotion Agenda
[President Rodríguez 1998-2002]

Digital Promotion Agenda
[President Rodríguez 1998-2002]

⬇

National ICT Commission
[President Pacheco 2002-2006]

⬇

Digital Government Intersectorial Commision
[President Arias 2006-2010]

⬇

Digital Government Division (ICE)
[President Chinchilla 2010-2014]

OUR e-GOVERNMENT MILESTONES

2006-2009
MILESTONES:

e-Government Technical Secretariat (STGD)

Under the supervision of a Ministerial Council, STGD was created by Executive Decree under the supervision of the Vice President of the Republic

2008-2010: Digital Government Action Plan

The first national executive project portfolio on e-Government. Accomplished services:

- Driving License
- Passport Issuance

2009-2015
MILESTONES:

Digital Government Division at ICE

Operation strengthens through a partnership between the government and ICE.

▸ Key Milestone is **Mer-link eProcurement System** development.

2010-2014 e-Government Master Plan

e-Government Portfolio defined with 21 projects to execute.

▸ G2B Portal: **CrearEmpresa Regístrelo**
▸ National ID System
▸ Citizen Security

2015-2021 National Science and Technology Plan

Recently issued by Ministry of Science and Technology (MICITT) strategy envisioning a "Networked Society in Costa Rica".

CURRENT NATIONAL ALIGNMENT OF ICT WITH NATIONAL DEVELOPMENT

National Development Plan

Poverty & Inequality Reduction

Economic Growth Promotion

Corruption Reduction & Strengthen Transparency

National Plan on Science, Technology and Telecommunications

DIGITAL INCLUSION

DIGITAL ECONOMY

eGOV & TRANSPARENCY

Source: National Development Plan of Telecommunications, Ministry of Science , Technology and Telecommunications, Costa Rica , 2015

DIGITAL Inclusion

DIGITAL Economy

eGovernment & Transparency

2015
PROJECT PORTFOLIO NICHES:

Digital Economy

- Universal Access, Universal Service, Solidarity
- Digital literacy

Digital Economy

- Digital broadcasting
- Networks and Radio Spectrum
- E-commerce

eGov & Transparency

- Near government
- Environmental Sustainability

Our role

→ ICE is a historical technology partner for Costa Rica government.

→ RACSA will act as a unit that implements strategic projects chosen by the Government of the Republic.

Our role

➜ ICE (and its subsidiaries) are enabled to offer services of electricity, telecommunications and infocommunications, as well as other information and convergence-related products and services.

Our role

➜ That could be done directly or through agreements, associations, strategic alliances, or any other kind of partnership with other national or foreign, public or private, agents or companies.
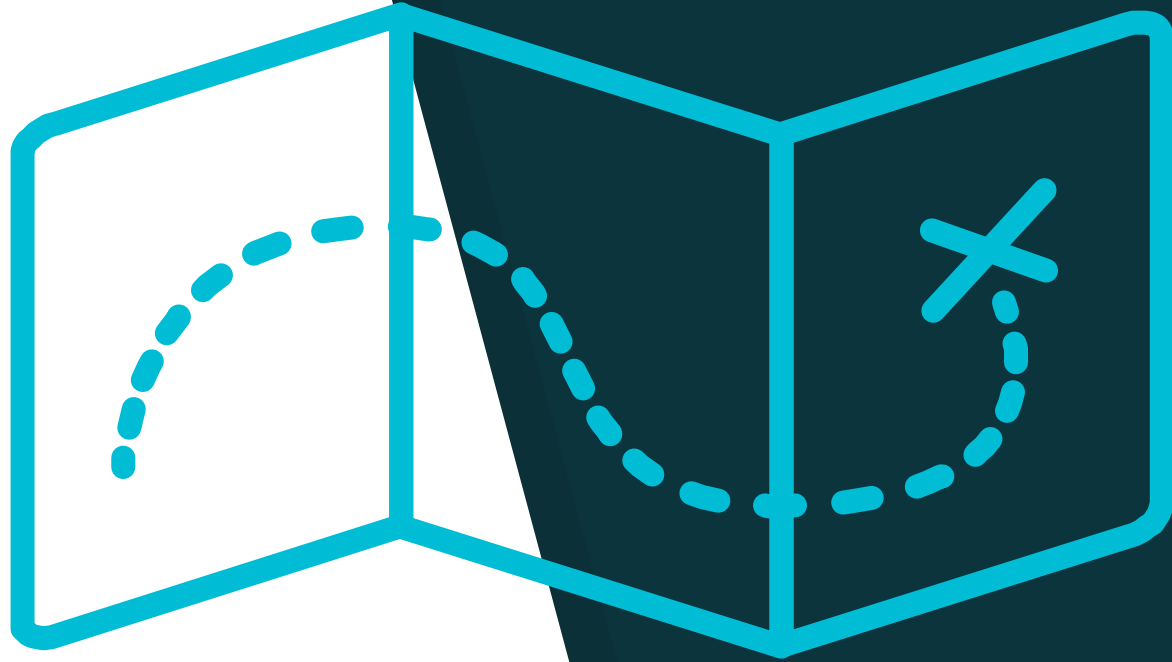
2.

Lessons Learned

LESSONS LEARNED:

→ Culture & Language Barrier
→ Technology Transfer & Capacity Building
→ Work Process Methodology (Finding Common Ground)
→ Open Mindedness and Flexibility
→ Local Agent

3.

The Way Ahead

Future Global Collaboration
Korea - Developing Countries

HOW DOES THE WAY AHEAD LOOK LIKE?

Strengths

⇢ Racsa has flexibility for doing associations with commercial partners
⇢ Legal framework allows direct contracts with Racsa

Weaknesses

⇢ Racsa needs to strengthen its IT service model
⇢ Racsa main expertise is focused on telecommunications

Opportunities

⇢ Government + Academia + Industry cooperation
⇢ A much more diverse technological offer
⇢ Clients change their behavior: contracting services

Threads

⇢ Changes in legal framework

감사합니다

Muchas Gracias