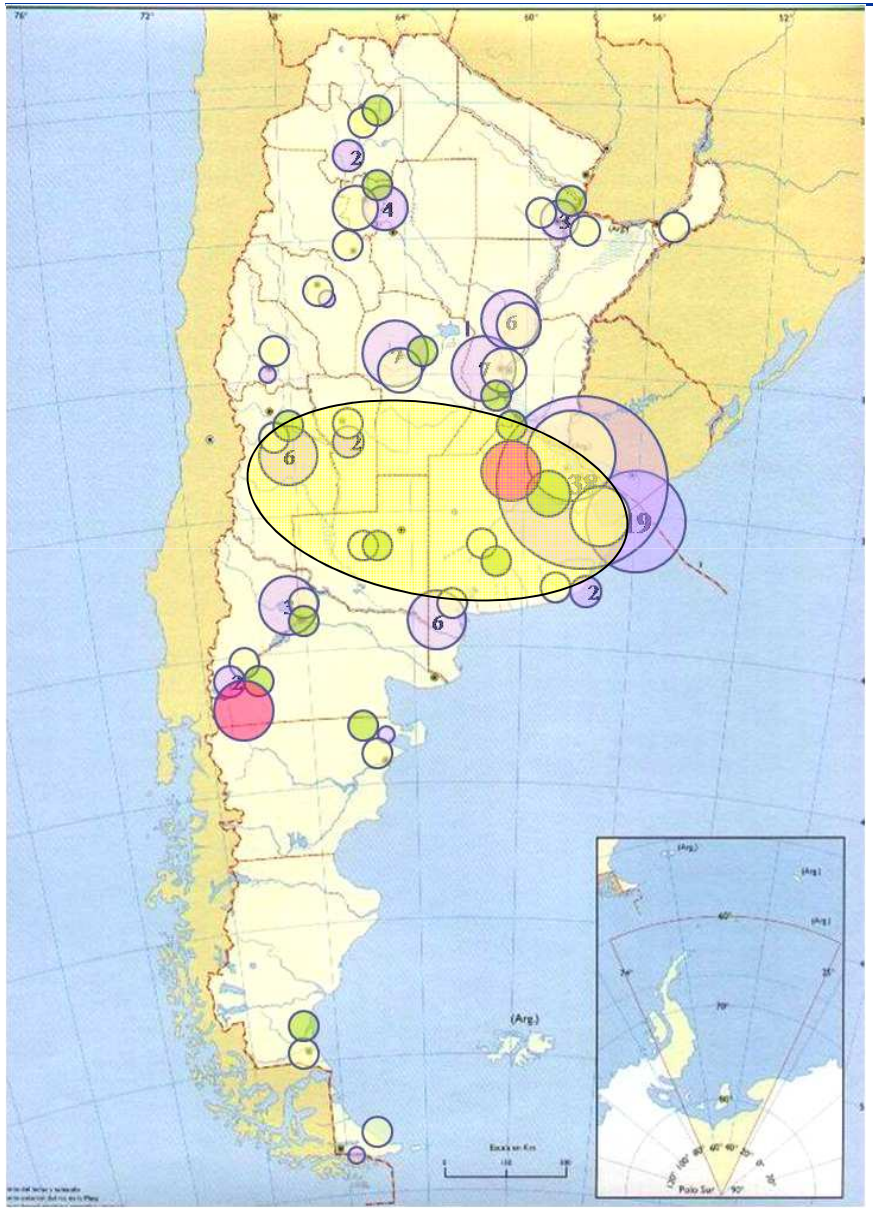
AN UNFINISHED STORY OF UPS AND DOWNS

Aníbal Gattone
InnovaRED Argentina`s NREN
Argentina

INNOVA|RED
Red Nacional de Investigación y Educación de Argentina

 Copyright 2010 <Insert org or project name>

INNOVA-RED stakeholders



- **44 Public Universities**
- **144 NRC Institutes**
- **INTA (agric. + livestock b&e) (240/48/12)**
- **CNEA (nuclear) (3)**

… + 60 private universities and 19 state research organisations

INNOVA|RED
Red Nacional de Investigación y Educación de Argentina

Copyright 2010 <Insert org or project name>

ICTs in ARGENTINA

Source: ITU (2009)

The IDI is a composite index made up of eleven different indicators, grouped into three sub-indices. The sub-indices measure ICT infrastructure and access (sub-index access), ICT use and intensity of use (sub-index use), and the capacity to use ICTs effectively (sub-index skills).

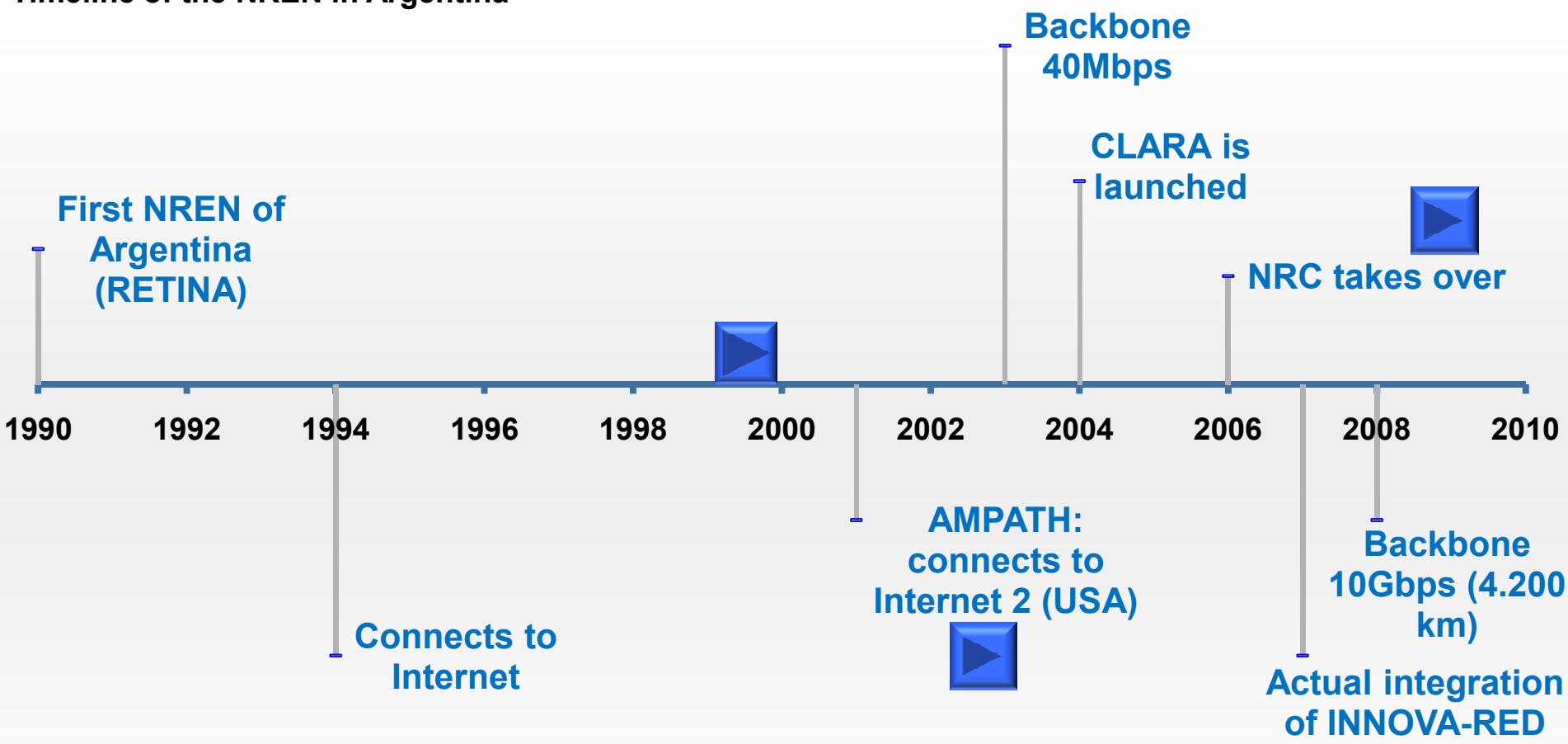
ICT Development Index (IDI), 2002 and 2007, Americas

Country	Rank 2007	IDI 2007	Rank 2002	IDI 2002	Rank change 2002-2007	IDI change 2002-2007
United States	1	6.44	2	5.25	1	1.19
Canada	2	6.34	1	5.33	-1	1.00
Argentina	3	4.12	3	3.06	0	1.06
Chile	4	4.00	4	2.97	0	1.03
Uruguay	5	3.88	5	2.90	0	0.97
Jamaica	6	3.78	6	2.79	0	0.99
Trinidad & Tobago	7	3.61	9	2.50	2	1.10
Brazil	8	3.48	7	2.55	-1	0.93
Panama	9	3.46	10	2.42	1	1.04
Costa Rica	10	3.41	8	2.54	-2	0.86
Venezuela	11	3.34	12	2.18	1	1.16
Colombia	12	3.25	14	2.13	2	1.11
Peru	13	3.11	13	2.15	0	0.96
Mexico	14	3.09	11	2.38	-3	0.71
Ecuador	15	2.75	17	1.97	2	0.78
Dominican Rep.	16	2.65	18	1.97	2	0.68
Cuba	17	2.53	19	1.94	2	0.59
Paraguay	18	2.52	16	2.02	-2	0.50
Bolivia	19	2.45	15	2.03	-4	0.42
El Salvador	20	2.43	20	1.74	0	0.69
Honduras	21	2.28	23	1.31	2	0.97
Guatemala	22	2.28	21	1.60	-1	0.68
Nicaragua	23	2.03	22	1.37	-1	0.66
Haiti	24	1.27	24	1.05	0	0.21

Copyright 2010 <Insert org or project name>

Timeline

Timeline of the NREN in Argentina



 Copyright 2010 <Insert org or project name>

First years 1990-1994

- US$1.5 m grant
- Three interlink centers + Public Data Networks
- Privatisation of all telecom operations.
- Commercial cost of 64kbps link

INNOVA|RED
Red Nacional de Investigación y Educación de Argentina

Copyright 2010 <Insert org or project name>

The Middle Years 1994 - 2000

- 1994 connect to Internet
- Market competition
- No federal support
- Join the AMPATH Project (NSF+ GXing+ FIU). Further US$ 1.2m grant.

Copyright 2010 <Insert org or project name>

The Modern Era 2001 - 2006

- 2001 launching of Internet 2
- CLARA raises as a possibility (@LIS)
- 2004 CLARA is launched (80% EC; 20% LAC)
- …but by 2006 debt to DANTE was accumulating

CLARA

INNOVA|RED
Red Nacional de Investigación y Educación de Argentina

Copyright 2010 <Insert org or project name>

Contemporary era 2006 - nowadays

- NRC (CONICET) takes over.
- 2007 InnovaRed is created.
- 2008 backbone (4200km)

CLARA

INNOVA|RED
Red Nacional de Investigación
y Educación de Argentina

Copyright 2010 <Insert org or project name>

Conclusion and outlook

- 20 years of an NREN in Argentina. We have come a long way… but we still have a long way to go.

- CLARA creation was a success and a boost. Challenge to make it sustainable

- Strategic alliances necessary for growth.

» Good luck!!

Copyright 2010 <Insert org or project name>