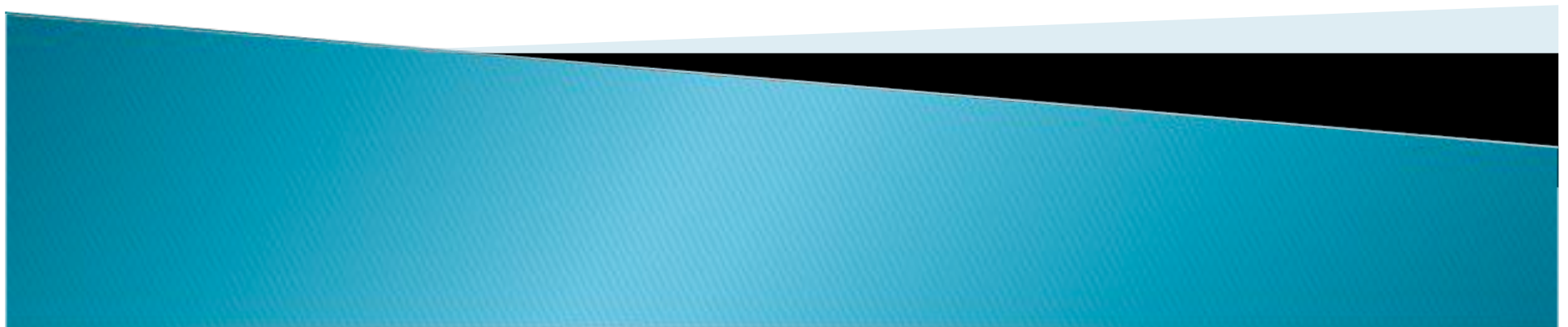


Higher Education Commission

ICT Major Initiatives (PERN & Video Conferencing)



Pakistan Education & Research Network (PERN)

The National Research & Education Network of
Pakistan

PERN Evolution

PERN Growth		
	2003	2008
Universities/ Institutes	56	86
Core Bandwidth	2 Mbps	155 Mbps
Last Mile Bandwidth	64-128 kbps	4-24 Mbps
International Bandwidth	8 Mbps	510 Mbps
International Leased Circuit	Nil	155 Mbps

PERN @
Inception
· [2002 -
2004]

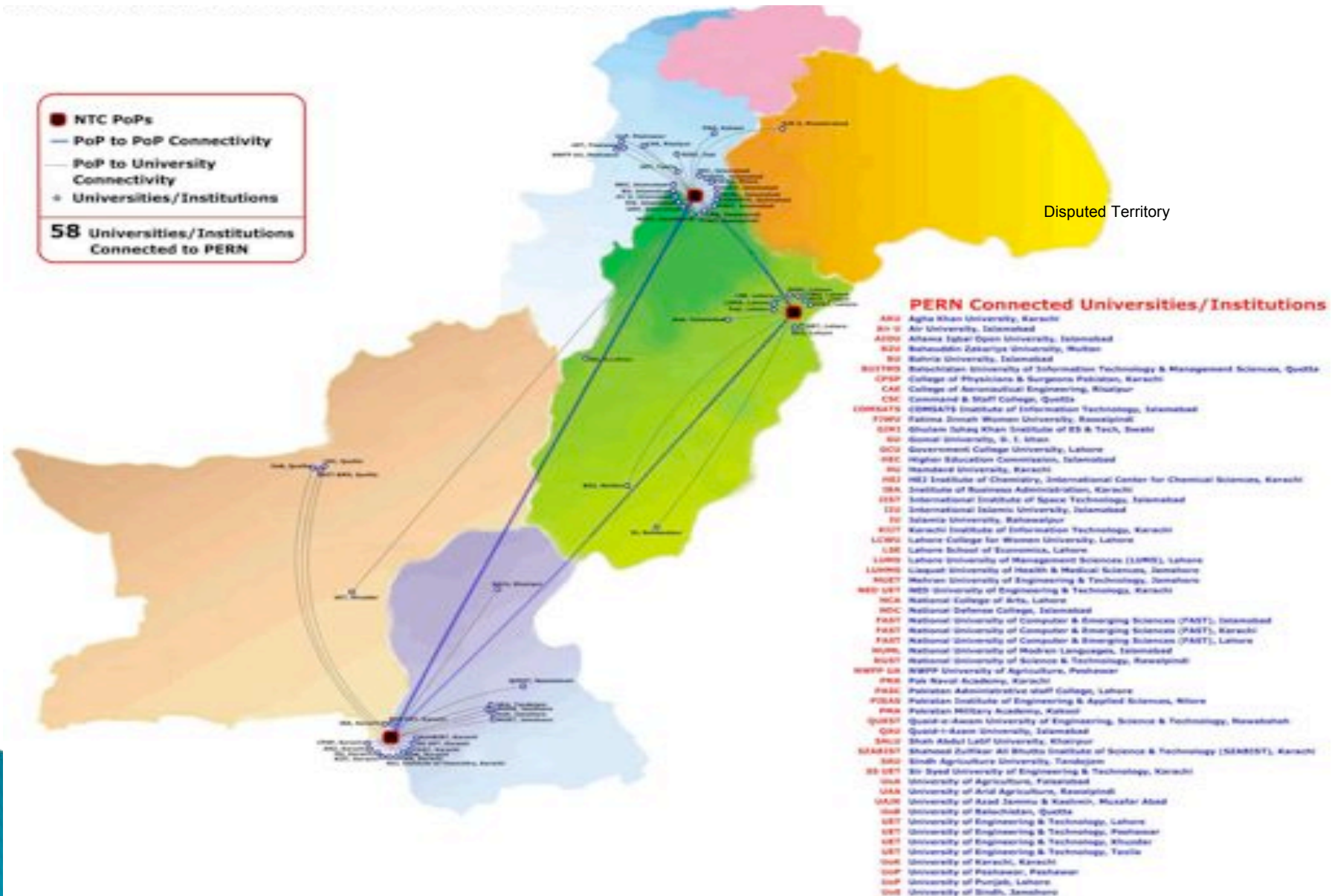
PERN 1
· [2005 - 2007]

PERN 1.5
· [2007 - 2008]

PERN 2
· [2009 - 2012]

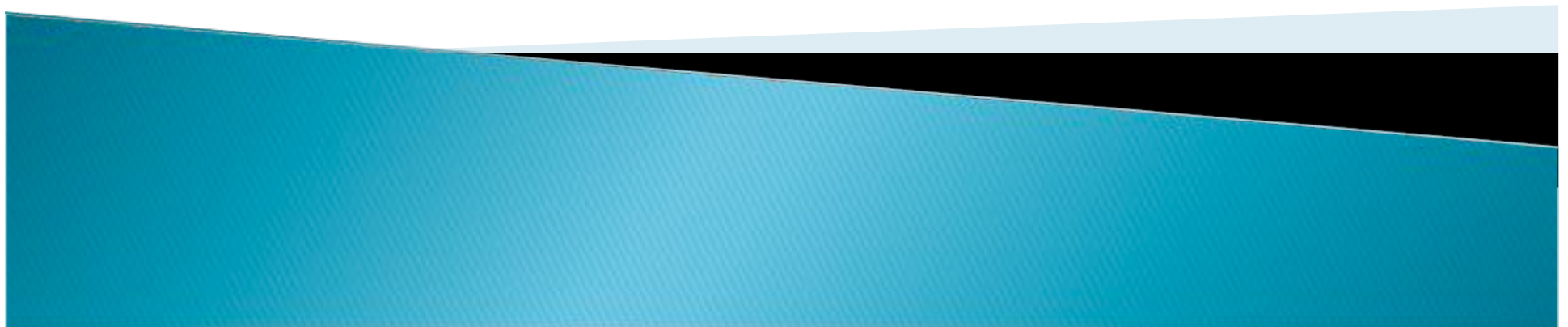
PERN2 Plans (2009	
Universities/ Institutes/R&E Org.	250+
Core Bandwidth	10 Gbps
Last Mile Bandwidth	1 Gbps
International Bandwidth	2.5 Gbps
International Leased Circuit	622 Mbps

PERN Topology @ Inception



Video Conferencing

Project and Program



The Project

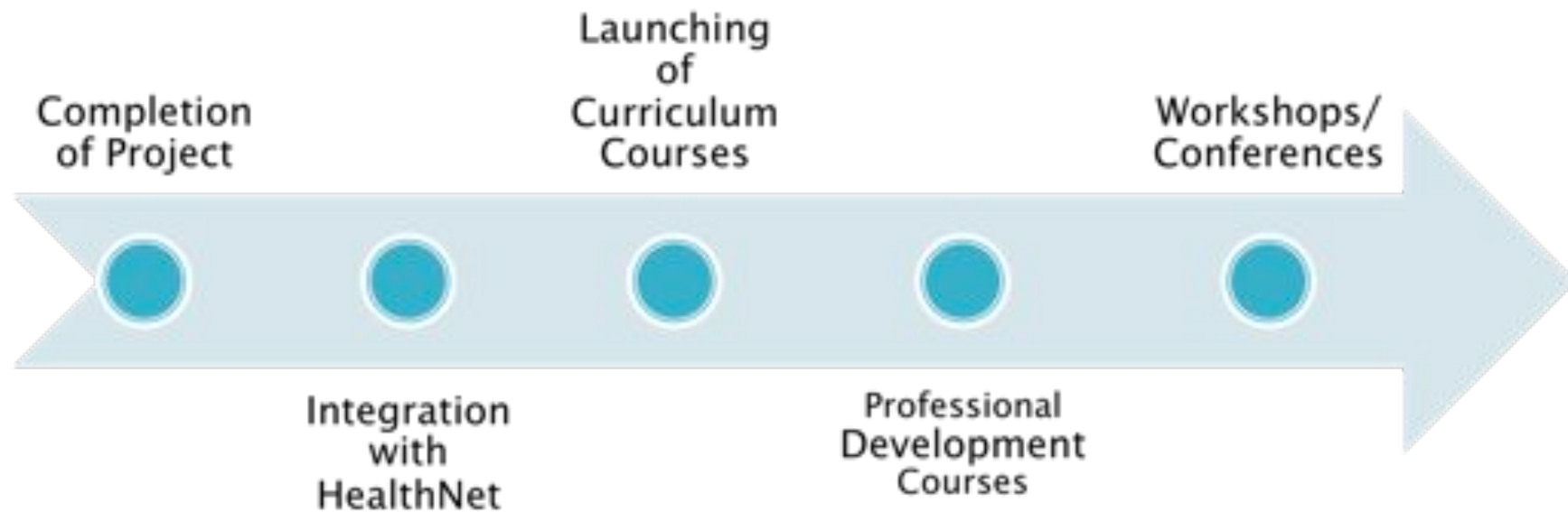
Launched in Dec 2006		2006	2007	2008	2009	Total
Universities Equipped		4	14	26	16	60
Events organized		14	532	514	316	1376
Savings	Cost in Rs. million	5.344	98.96	25.549	15.707	145.56
	Time in man-hours	2120	51044	15248	9374	77786



Video Conferencing Program

Events		Lectures / Presentations	Conferences	Technical Discussion	Meetings	Interviews	Total Events
Dec, 2006		3	3	8	Nil	Nil	14
Total		3	3	8	0	0	14
Year 2007	Jan-Jun	70	2	129	35	1	237
	Jul-Dec	81	5	162	28	19	295
Total		151	7	291	63	20	532
Year 2008	Jan-Jun	53	5	142	27	3	230
	Jul-Dec	10	2	198	55	19	284
Total		63	7	340	82	22	514
Year 2009	Jan-Apr	25	1	259	23	8	316
Total		50	2	518	46	16	632

Future Plans



Thanks!

Iffat Ahmed

IT-Division

Higher Education Commission, Islamabad, Pakistan

iftahmed@hec.gov.pk

Skype: iffat.ahmed

