LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE Houghton Street, London WC2A 2AE **DEPARTMENT OF OPERATIONAL RESEARCH**

The 'LSE Decision Analysis School of Though' in Practice: Creating a Vision for Puerto Rico 2025

Carlos Bana e Costa Department of Operational Research, LSE

Wednesday February 9, 2005 3.15pm - 4.15pm

Time:

Room H101, Connaught House Venue:

Abstract:

This seminar describes and reflects about the application, in 2003-04, of the socio-technical multicriteria approach for strategic decision-aiding, developed at the Department of Operational Research of LSE, to the participatory process aiming at creating a long term vision for Puerto Rico 2025. Our process-consultation intervention was done in collaboration with A.T. Kearney, the consulting company contracted by the Government of the island to develop the project. More than one hundred stakeholders were involved in a Decision Conferencing process in which the MACBETH and EQUITY methods were used to help thematic groups in strategy assessment and prioritization.

Presentation based on the process consultancy application of Multi-criteria Decision Analysis and Decision Conferencing in the project "Puerto Rico Visioning 2025" (conducted by A.T.Kearney) by Carlos A. Bana e Costa (LSE/IST) with the collaboration of Émerson Correa (Olympus Consulting, Madrid)

> for the Government of Puerto Rico 2004



Puerto Rico 2025 was a project commissioned by the Government of the island

Background

- In December 2002 the Government of Puerto Rico invited consulting companies to bid for a project aiming at developing a long term vision and strategic plan
- A.T. Kearney won the bid by proposing a participative approach to longrange planning to enhance the chances of multi-stakeholder participation in strategy design and commitment to the implementation process
- MCDA was an important enabler of stakeholder participation, specially during the phase of strategy assessment and prioritization

2

PR 2025 is an initiative to create convergence on a plan for Puerto Rico's future

Stated Project Objectives

- Operationalize the PR 2025 initiative
- Engage community and private sector leaders
- Provide for the participation of local experts
- Create database for reference during project and future use
- Insure lifespan of the recommendations by anchoring project in the private sector to the greatest extent possible

Ultimate aim is not a report, but mobilizing civil leadership to overcome cynicism and short-term politics

PR2025 is NOT

- · Another inert study-report
- · An electoral platform
- An initiative tied to a specific administration or party
- Simply an economic development plan, ignoring social and environmental implications
- A nice set of ideas, with no roles, responsibilities and resources defined for their implementation
- · Intended to address the status question

5

Ultimate aim is not a report, but mobilizing civil leadership to overcome cynicism and short-term politics

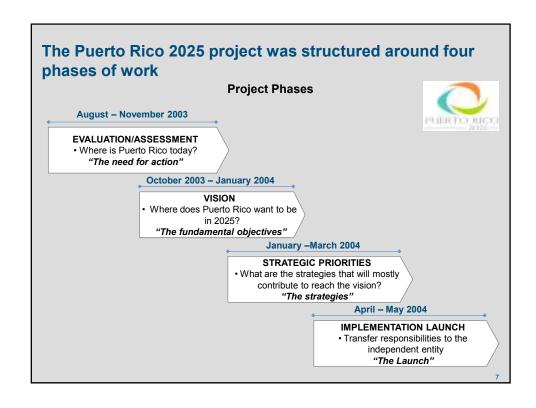
PR2025 is NOT

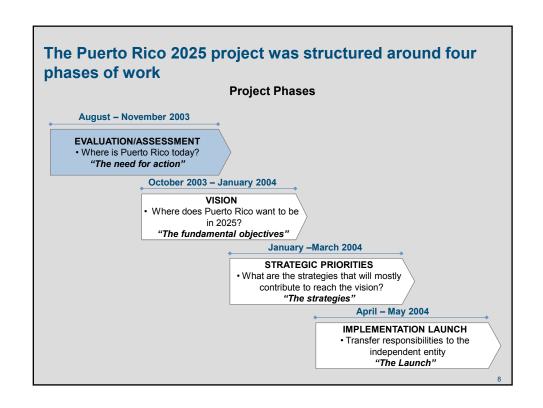
- Another inert study-report
- · An electoral platform
- An initiative tied to a specific administration or party
- Simply an economic development plan, ignoring social and environmental implications
- A nice set of ideas, with no roles, responsibilities and resources defined for their implementation
- · Intended to address the status question

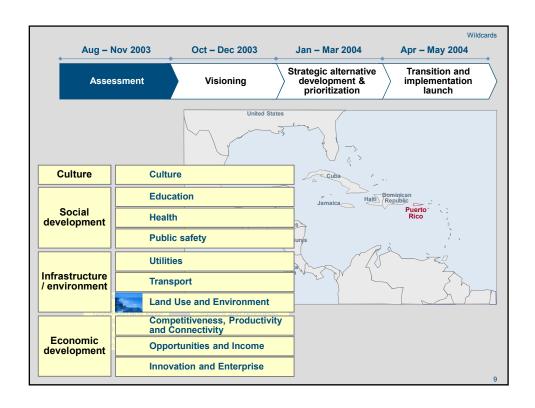
PR2025 is

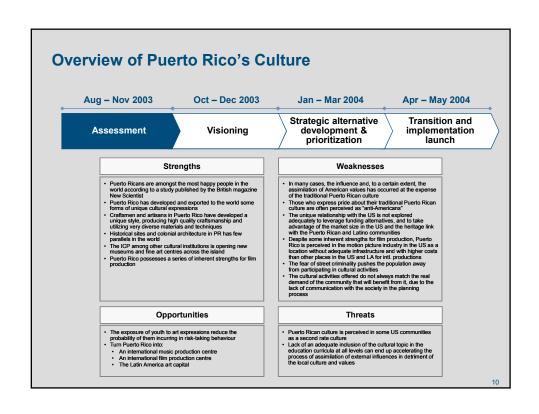


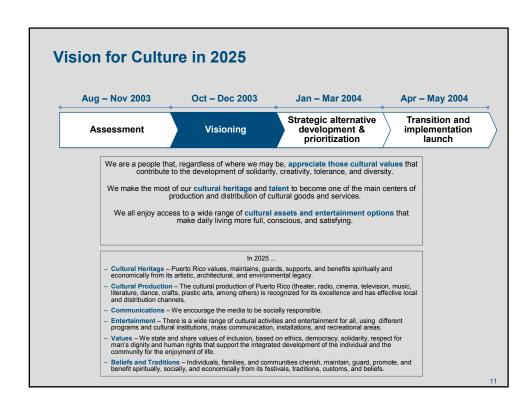
- A mobilizing vision and implementable plan for the future
- An initiative to create convergence on a plan for Puerto Rico's future
- An inclusive program for the benefit of Puerto Rico as a whole
- A holistic plan for balanced economic, social and environmental development
- A blue-print for action, identifying and establishing specific organizations to be responsible for implementation
- A plan to address Puerto Rico's fundamental needs, regardless of the political status

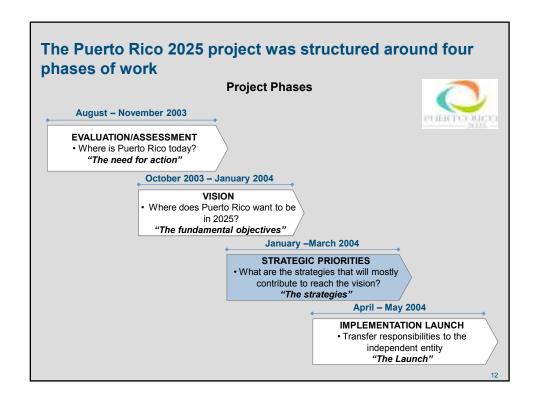


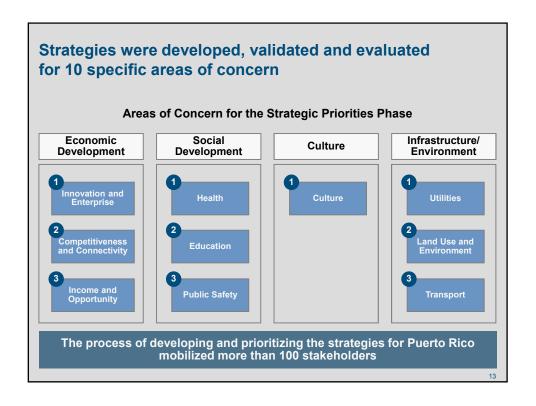


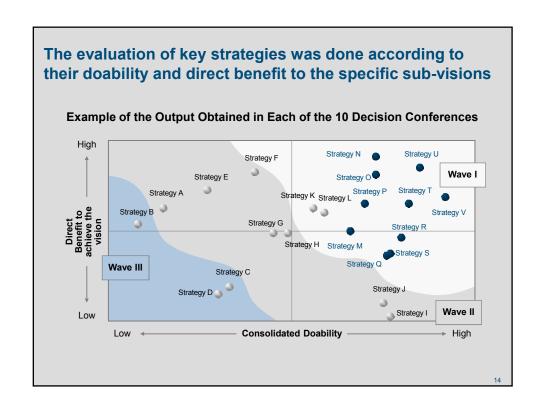


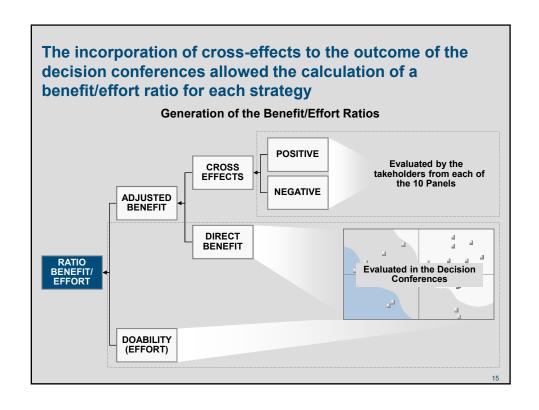


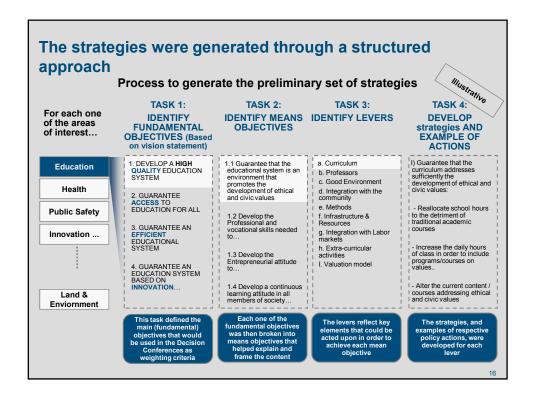


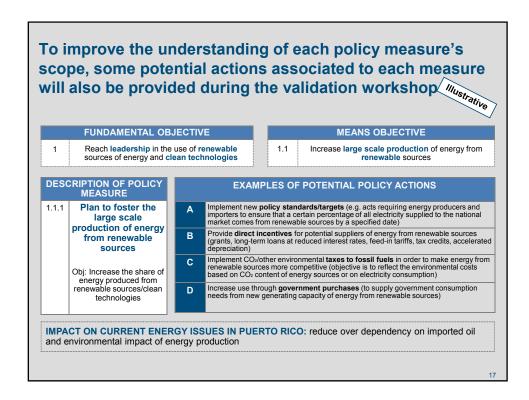


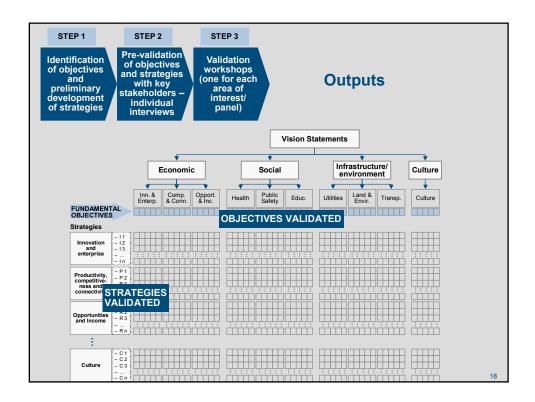


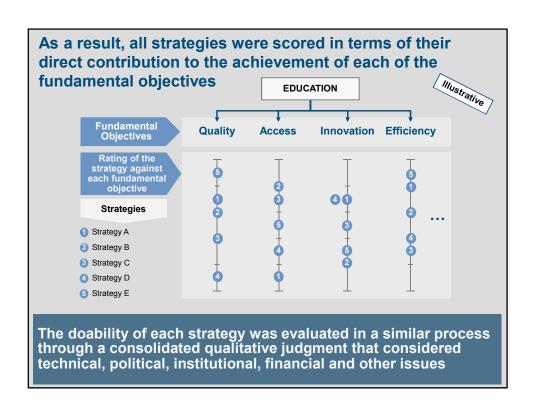


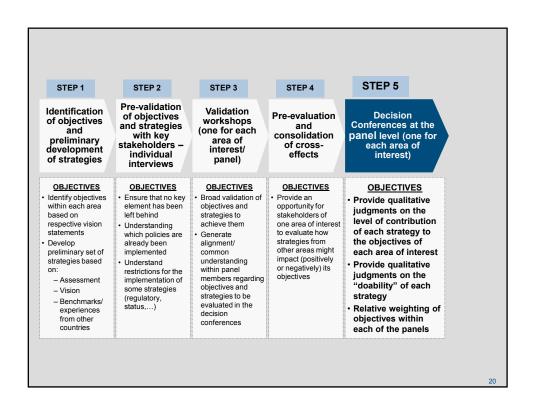












Decision Conferencing Process

Objectives and conditions

- Generate a shared understanding of questions/ issues under analysis (not necessarily build consensus)
- Develop a sense of common objective (but allowing individual opinion differences)
- Reach agreement on actions to follow

Characteristics

- 2-3 day workshop, or multiple workshops
- Participants must represent the diversity of perspectives on the problem being analyzed
- The workshop process is facilitated by a specialist supported by a decision analyst (to run the models)
- · No fixed agendas
- No presentations

Conditions

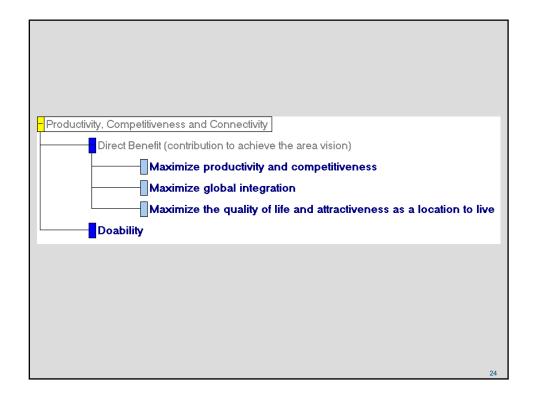
- Impartial facilitator
- Structured and methodologically sound modeling of judgments rejecting arbitrary decisions
- Extensive use of supporting technology to guarantee group interactivity and fact-based discussions

Application in the MCDA methodology

- Problem structuring phase to establish the context for the problem and to exploit the fundamental issues; to identify benefit factors; to determine weight factors; and, to evaluate impact of policy options against benefit factors.
- Option evaluation phase to feed in value judgment models and to build numeric scales; to evaluate options per benefit component (partial and global aggregation)
- Recommendation phase to explore the decision model; to execute sensitivity and robustness analysis; and, to develop final recommendations



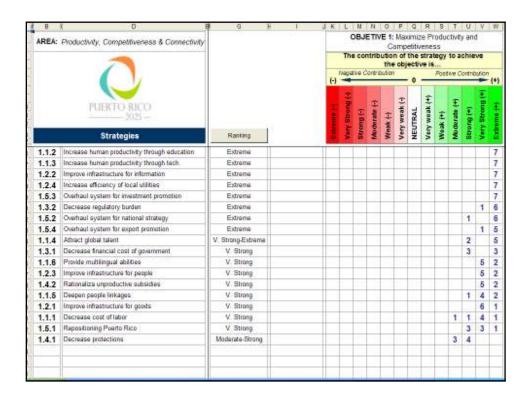




B	(D #	G	1	- 4	1 K	L	M	N.	0	P	Q	R	8	T	U	V	W
AREA: Productivity, Competitiveness & Connectivity						(BJI	ΕTIV	E 1:	. Ma:				ctivit	y an	d	
			The contribution of the strategy to achieve the objective is														
						Nega	Salar C				ectiv	re is		-		2	
						rvegu	ave c	ontri	DUATOR		0	_	Post	WE C	potoč		(+)
	PUERTO RICO					+			п							÷	
	DUEDTO DIEVO				-	100		T		Very weak (-)		±		3		F	÷
					ΙĒ	6	2	4	Œ	88	SAL	e a	3	4	€	ě	Extreme (+)
1					Ē	York Stron	5	8	*	2	5	7	×	ě	Buo	S L	Ē
	1.1 Decrease cost of labor 1.2 Increase human productivity through education 1.3 Increase human productivity through tech 1.4 Attract global talent				ä.	ž	易	2	š	%	뿔	Ve	3	ž	8	Š	ă
1.1.1	Decrease cost of labor				Т												
1.1.2	Increase human productivity through education																
1.1.3	Increase human productivity through tech																
1.1.4	Attract global talent																
1.1.5	Deepen people linkages																
1.1.6	Provide multilingual abilities																
1.2.1	Improve infrastructure for goods																
1.2.2	Improve infrastructure for information																
1.2.3	Improve infrastructure for people																
1.2.4	Increase efficiency of local utilities																
1.3.1	Decrease financial cost of government																
1.3.2	Decrease regulatory burden																
1.4.1	Decrease protections																
1.4.2	Rationaliza unproductive subsidies																
1.5.1	Repositioning Puerto Rico																
1.5.2	Overhaul system for national strategy																
1.5.3	Overhaul system for investment promotion																
1.5.4	Overhaul system for export promotion																

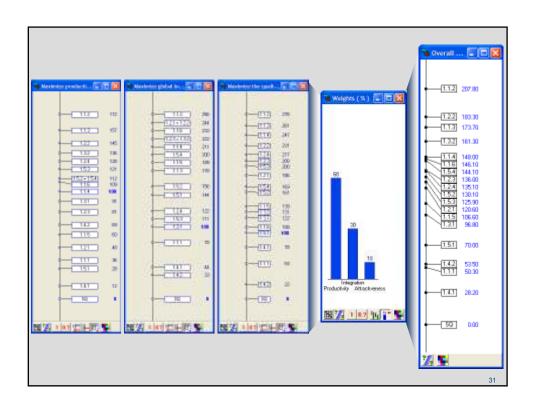
B	(0 #	- 6	- 1	_ 1 _	1 K	1	M	N	0	P	Q	R	8	T	U	V	W					
AREA:	REA: Productivity, Competitiveness & Connectivity				Competit								nize Productivity and tiveness									
									the	obj	the r	re is			chie							
					(-)	Negati	ne Co	antinib	ution		0		Post	we C	print	uáon	(+)					
	PUERTO RICO 2025 — Strategies	Ranking			Externo (s)	Vary Strong (-)	Strong (-)	Moderate (-)	Weak (-)	Very weak (-)	NEUTRAL	Very weak (+)	Weak (*)	Moderate (+)	Strong (+)	Very Strong (+)	Extreme (+)					
1,1,1	Decrease cost of labor				т				CHUR	and the last				1	1	4	1					
1.1.2	Increase human productivity through education																7					
1.1.3	Increase human productivity through tech																7					
1.1.4	Attract global talent														2		5					
1.1.5	Deepen people linkages														1	4	2					
1.1.6	Provide multilingual abilities															5	2					
1.2.1	Improve infrastructure for goods															6	1					
1.2.2	Improve infrastructure for information																7					
1.2.3	Improve infrastructure for people															5	2					
1.2.4	Increase efficiency of local utilities																7					
1.3.1	Decrease financial cost of government														3		3					
1.3.2	Decrease regulatory burden															1	6					
1.4.1	Decrease protections						П							3	4							
1.4.2	Rationaliza unproductive subsidies															5	2					
1.5.1	Repositioning Puerto Rico						П								3	3	1					
1.5.2	Overhaul system for national strategy						П								1		6					
1.5.3	Overhaul system for investment promotion						П								- 17		7					
1.5.4	Overhaul system for export promotion															1	5					

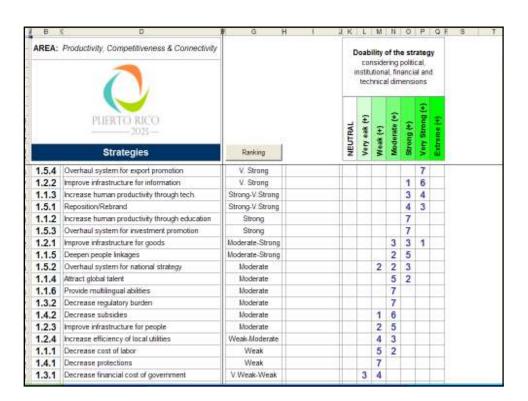
B	(D	G	*	-1-	J K	L	M	N	0	P	0	R		T	U	V	W		
AREA: Productivity, Competitiveness & Connectivity						C	BJI	ETIV	E 1:					CEVIT	y ani	1			
	7				Competitiveness The contribution of the strategy to achieve the objective is Negative Contribution Positive Contribution														
PUERTO RICO						Nega	live C	lontri	bullian		0		Post	we C	print		(+)		
						*			П			_				£			
	PLIERTO RICO 2025 — Strategies				Bermo/G).	any Strong ((-) Buou	(-) states (-)	Weak (-)	ry weak (-)	HTRAL	ry weak (+	eak (*)	oderate (+)	Strong (+)	Very Strong (+)	Extreme (+)		
	1.1.2 Increase human productivity through education		13		ğ.	ž	Ø,	2	š	%	ž	>	3	ž	ş		ě		
1.1.2	Increase human productivity through education																7		
1.1.3	Increase human productivity through tech.																7		
1.2.2	Improve infrastructure for information																7		
1.2.4	Increase efficiency of local utilities																7		
1.5.3	Overhaul system for investment promotion																7		
1.3.2	Decrease regulatory burden															1	6		
1.5.2	Overhaul system for national strategy														1		6		
1.5.4	Overhaul system for export promotion															1	5		
1.1.4	Attract global talent														2		5		
1.3.1	Decrease financial cost of government														3		3		
1.1.6	Provide multilingual abilities		П													5	2		
1.2.3	Improve infrastructure for people															5	2		
1.4.2	Rationaliza unproductive subsidies															5	2		
1.1.5	Deepen people linkages														1	4	2		
1.2.1	Improve infrastructure for goods															6	1		
1.1.1	Decrease cost of labor													1	1	4	1		
1.5.1	Repositioning Puerto Rico													3.7	3	3	1		
1.4.1	Decrease protections													3	4				

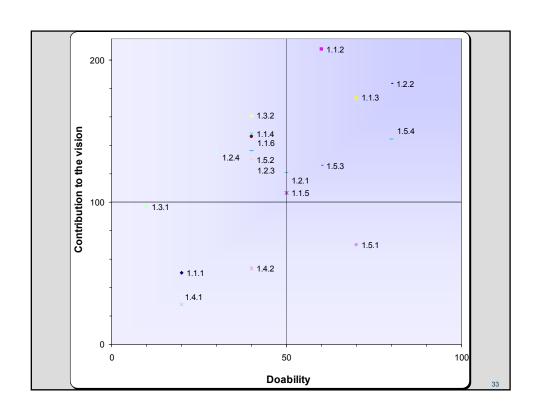


AREA:	Productivity, Competitiveness & Connectivity	8 G		OBJETIVE 1: Maximize Productivity an Competitiveness The contribution of the strategy to achie the objective is									y and	nd				
					Vagat	tive C	ortre				Postive Contribu					(+)		
PUERTO RUCO 2025 — Strategies		Ranking		Enternal (Vary Strong (4	Strong (-)	Moderate (-)	Weak (-)	Very weak (-)	NEUTRAL	Very weak (+)	Weak (+)	Moderate (+)	Strong (+)	1	Extreme (+)		
1.1.2	Increase human productivity through education	Extreme	Strong	_												7		
1.1.3	Increase human productivity through tech.	Extreme	Moderate													7		
1.2.2	Improve infrastructure for information	Extreme	Weak-Moderate													7		
1.2.4	Increase efficiency of local utilities	Extreme	Weak													7		
1.5.3	Overhaul system for investment promotion	Extreme	Weak													7		
1.3.2	Decrease regulatory burden	Extreme	Weak												1	6		
1.5.2	Overhaul system for national strategy	Extreme	No											1		6		
1.5.4	Overhaul system for export promotion	Extreme	V. Weak												1	6		
1.1.4	Aftract global talent	V. Strong-Extreme	Weak-Moderate											2		5		
1.3.1	Decrease financial cost of government	V. Strong	Weak											3		27		
1.1.6	Provide multilingual abilities	V. Strong	Moderate											100	5	2		
1.2.3	Improve infrastructure for people	V. Strong	Moderate												5	2		
1.4.2	Rationaliza unproductive subsidies	V. Strong	Weak												.5	2		
1.1.5	Deepen people linkages	V. Strong	Moderate-Strong											1	4	2		
1.2.1	Improve infrastructure for goods	V Strong	Moderate												6	1		
1.1.1	Decrease cost of labor	V. Strong	Weak										1	1	4	1		
1.5.1	Repositioning Puerto Rico	V Strong	Strong											3	3	3		
1.4.1	Decrease protections	Moderate-Strong											3	4				

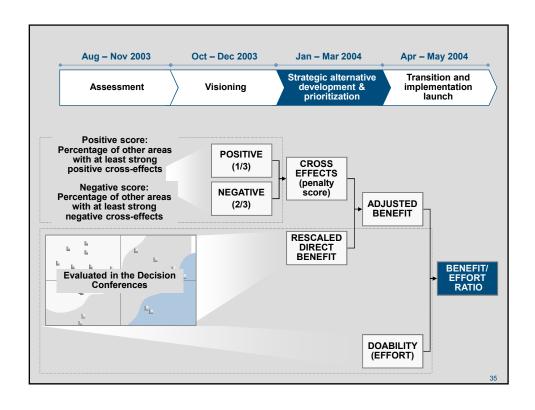


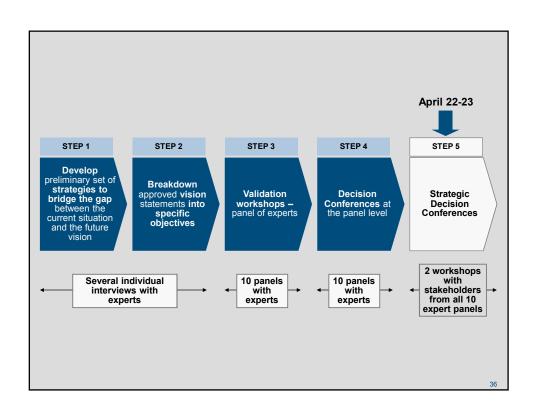


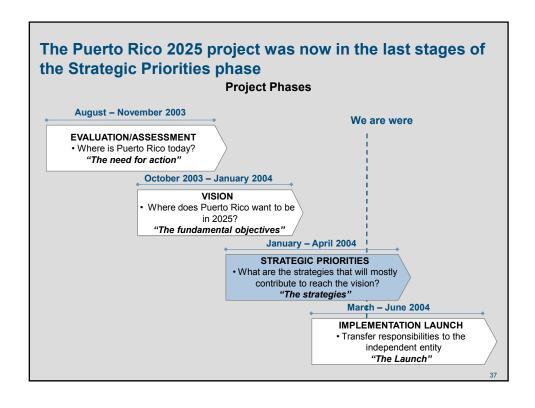












Puerto Rico 2025 Strategic Decision Conference

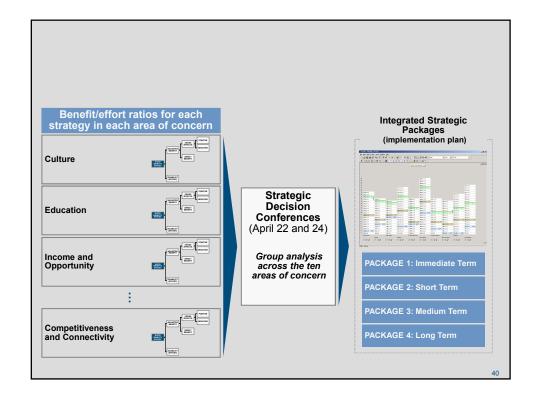
The primary objective was to consolidate
the results of the 10 area decision conferences
into a coherent and integrated strategic plan

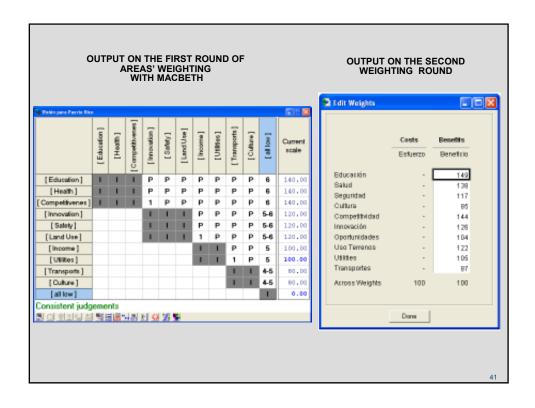


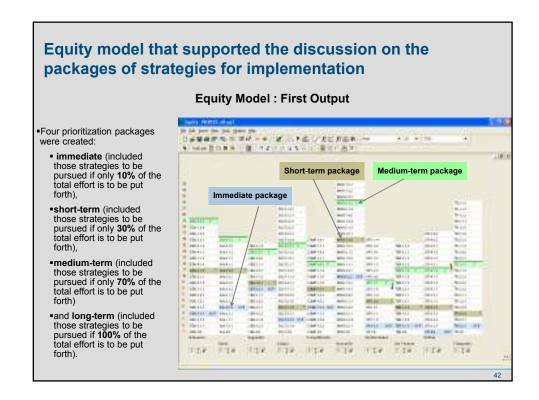


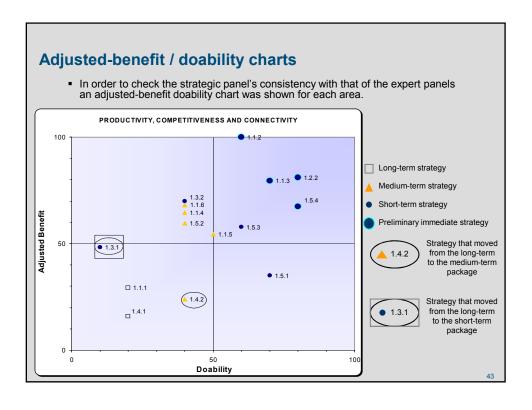
Puerto Rico 2025 Strategic Decision Conference

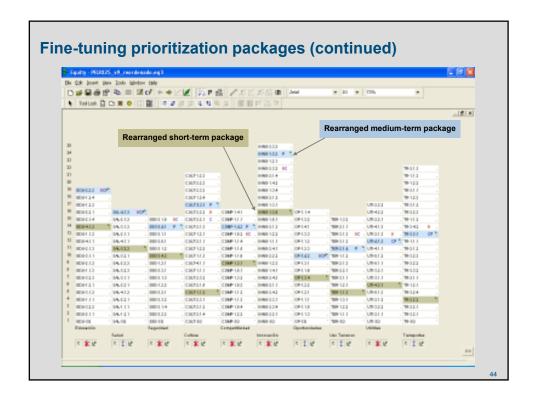












Strategic Decision Conference

2nd day agenda: Identify from the short-term package the immediate strategies

Saturday, April 24th



45



