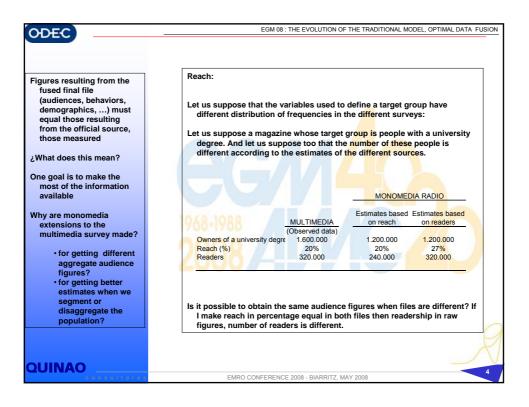
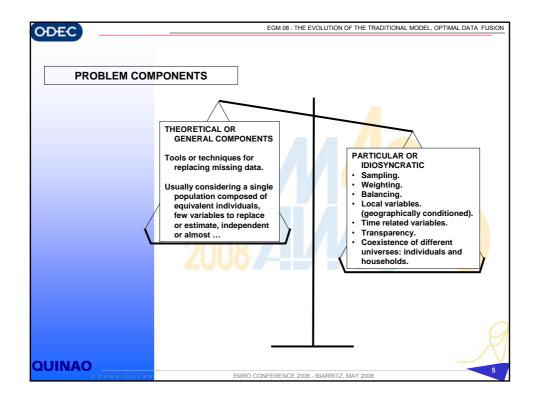
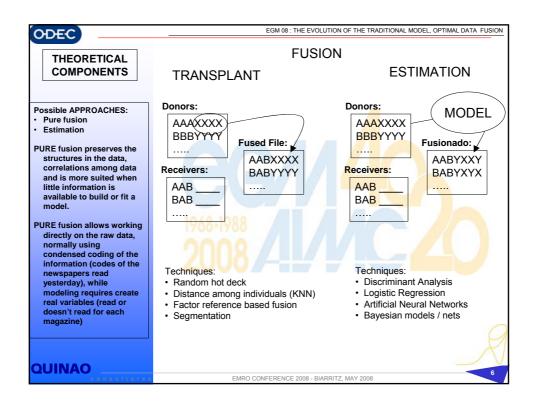


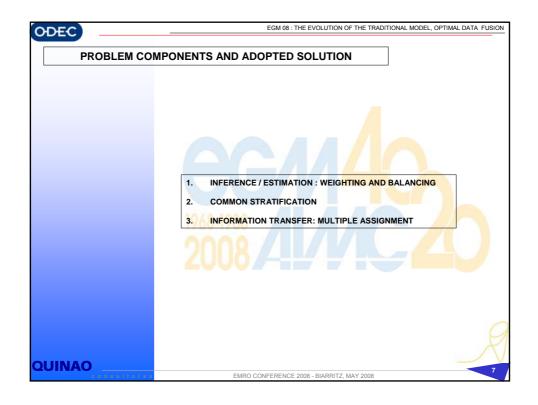
ODEC	EGM 08 : THE EVOLUTION OF THE TRADITIONAL MODEL, OPTIMAL DATA FUSION
STARTING POINT	
Coexistence of: • Multimedia Survey (EGM) • Monomedia Surveys Need to integrate different surveys for: • Obtaining a single currency, an unified figure for audiences. • Make the most of the information available. Solution : SURVEY DATA FUSION	Starting point: Coexistence of different data sources         Multimedia       10000       DEMO       Life STVLES       PRESS       RADO       Madazines       TV       OTHERS         MONOMEDIa       10000       DEMO       GRAPHICS       Life STVLES       PRESS       Image: Consultantion       PRESS       Image: Consultantion       Image: Consultantion
QUINAO	Goal: Single data file

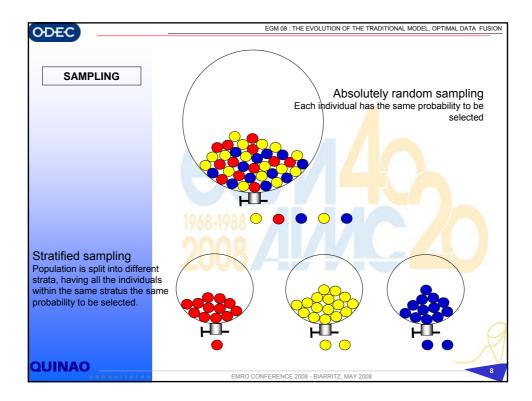
ODEC			EGM 08 :	THE EVOLUTION	OF THE TR	ADITIONAL	MODEL, OP	TIMAL DATA	FUSION	
ODEC	INFORMATIO	ON AVAI	LABLE:							
STARTING POINT	MULTIMEDIA	Interviews: 10.000	DEMO GRAPHICS	LIFE STYLES EQUIPMENT GOODS CONSUMPTION	PRESS	RADIO	MAGAZINES	TV	OTHERS Internet Cine Outdoor	
	MONOMEDIA PRESS	+ 15.000	DEMO GRAPHICS		PRESS		COMMON		+	
	MONOMEDIA RADIO	+ 12.333	DEMO GRAPHICS			RADIO	+	+	+	
<ul> <li>The problem posed is an imputation problem:</li> <li>"FILLING IN THE GAPS" or "MISSING VALUES".</li> </ul>	MONOMEDIA MAGAZINES	+ 6.666	+ DEMO GRAPHICS	+	+		+ MAGAZINES	·	+	
Subject to certain     restrictions:	TOTAL	43.999	DEMO GRAPHICS	LIFE STYLES EQUIPMENT GOODS CONSUMPTION	PRESS	RADIO	MAGAZINES	τv	OTHERS Internet Cine Outdoor	
restrictions.			모문	DATA SO		VAILABI	LE: 1, 2, 3	or 4		
"Figures resulting from the	1040	FUSION								
fused final file (audiences, behaviors,	1700	Interviews				-	-			
demographics,) must equal those resulting		10.000	DEMO GRAPHICS	LIFE STILES EQUIPMENT GOODS CONSUMPTION	PRESS	RADIO +	MAGAZINES	*	OTHERS Internet Cine Outdoor	
from the official source, those measured".	PRESS	15.000	DEMO GRAPHICS	LIFE STILES EQUIPMENT GOODS CONSUMPTION	PRESS	RADIO	MAGAZINES	TV	OTHERS Internet Cine Outdoor	
	MONOMEDIA RADIO	+ 12.333	DEMO GRAPHICS	+ LIFE STILES EQUIPMENT GOODS CONSUMPTION	PRESS	* RADIO	MAGAZINES	ŤV	OTHERS Internet Cine Outdoor	
AIMED GOAL: Single Data File	MONOMEDIA MAGAZINES	+ 6.666	DEMO GRAPHICS	+ LIFE STILES EQUIPMENT GOODS CONSUMPTION	PRESS	RADIO	+ MAGAZINES	ŤV	OTHERS Internet Cine Outdoor	
QUINAO	TOTAL	= 43.999	= DEMO GRAPHICS	= LIFE STILES EQUIPMENT GOODS CONSUMPTION	= PRESS	= RADIO	= MAGAZINES	TV	= OTHERS Internet Cine Outdoor	
consultores	4	EMRO	CONFERENCE	E 2008 - BIARRITZ	, MAY 2008				3	

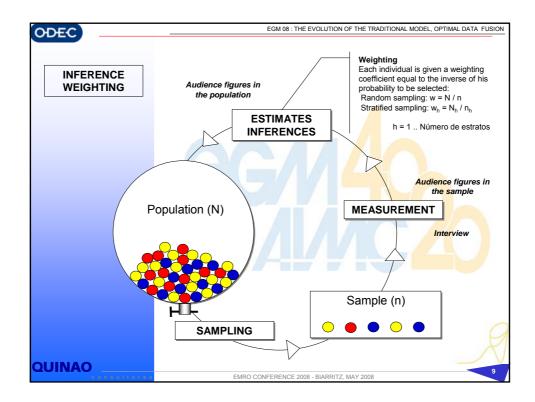


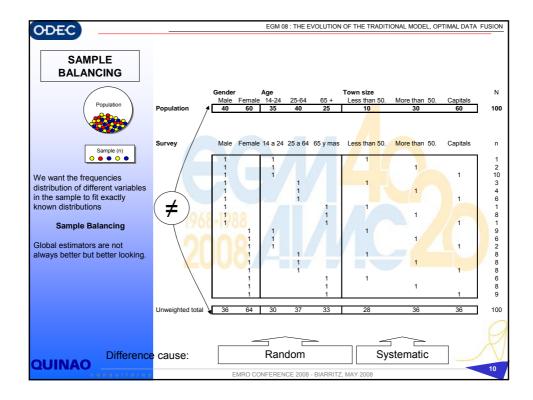


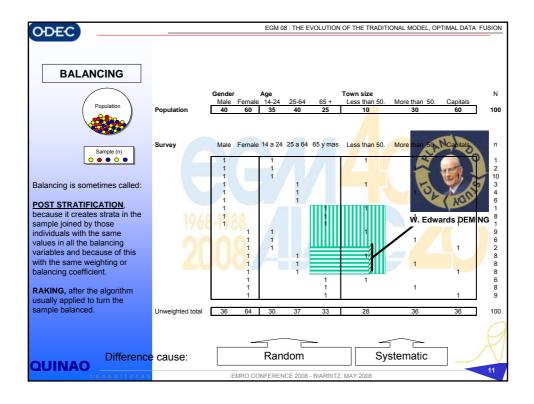


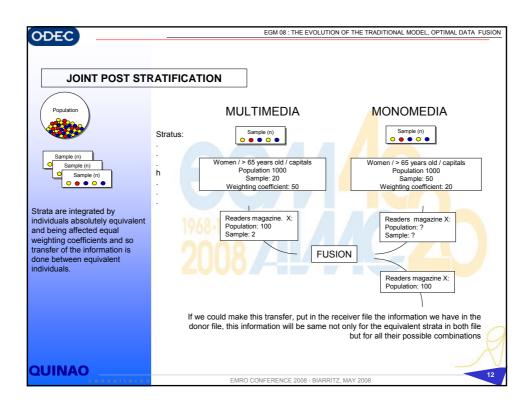


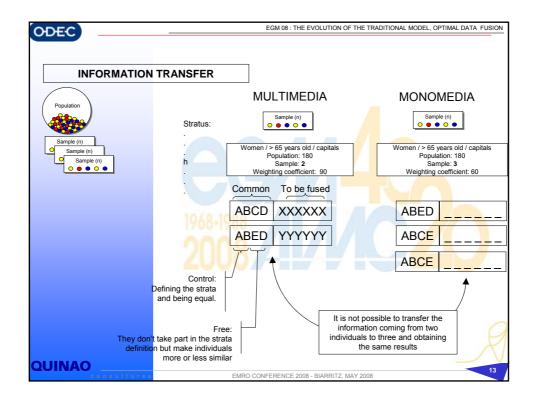




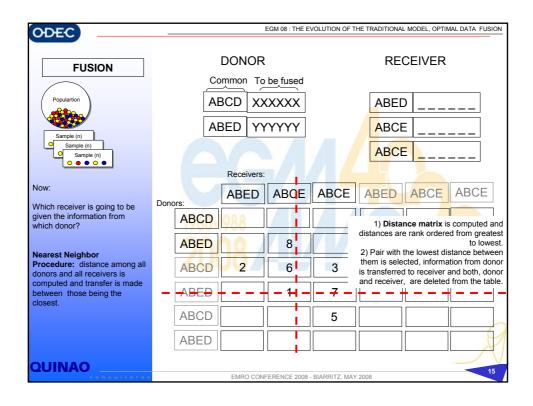


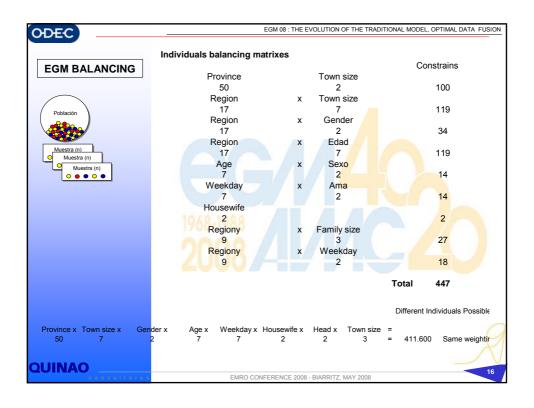




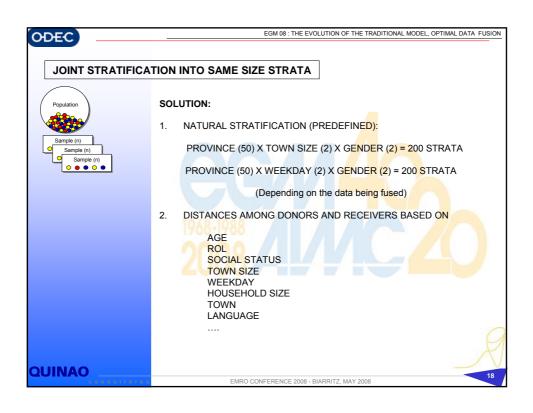


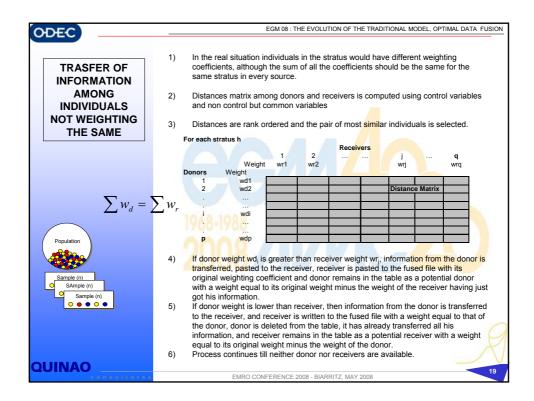
ODEC		EGM 08 : THE EVOLUT	ION OF THE TR	ADITIONAL MOD	el, optimal data	FUSION	
INFORMATION	TRANSFER	2					
Population Sample (n)	Stratus:	MULTIMEDIA		MONOMEDIA			
In order to transfer information exactly we need to make a	h ·	Population: 180 Sample: 6 Weighting coefficient: 30	4	San Weighting o	ation: 180 nple: 6 coefficient: 30		
MULTIPLE IMPUTATION (Rubin): replicate the individuals n each survey stratus.	196	ABCD XXXXXX - ABED YYYYYY - ABCD XXXXXX -	T	ABED ABCE ABCE	XXXXXX YYYYYY XXXXXX		
	20	ABED YYYYYY - ABCD XXXXXX -		ABED	YYYYYY XXXXXX		
		ABED YYYYYY -		ABCE	ΥΥΥΥΥΥ	Æ	
consultores		EMRO CONFERENCE 2008 - BIARI	RITZ, MAY 2008			14	



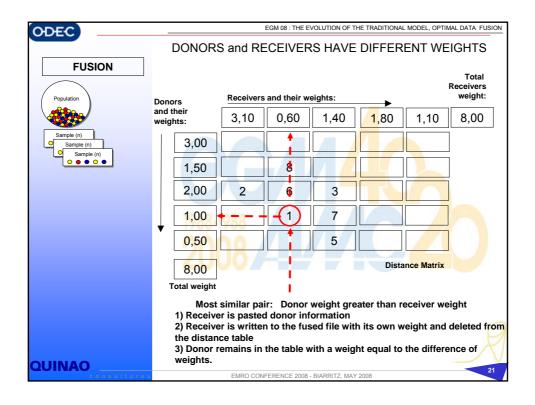


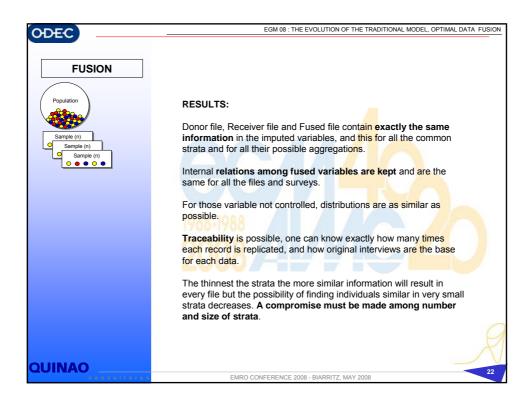
ODEC	EGM 08 : THE EVOLUTION OF THE TRADITIONAL MODEL, OPTIMAL DATA FUSION
JOINT STRATIFIC	ATION INTO SAME SIZE STRATA
Population Saple (n) Muestra (n) Muestra (n)	<text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text>
QUINAO	EMRO CONFERENCE 2008 - BIARRITZ, MAY 2008

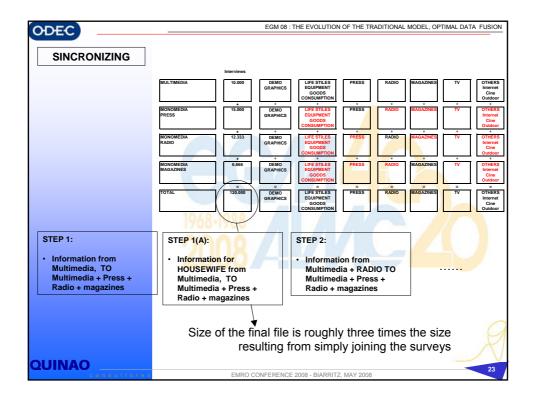


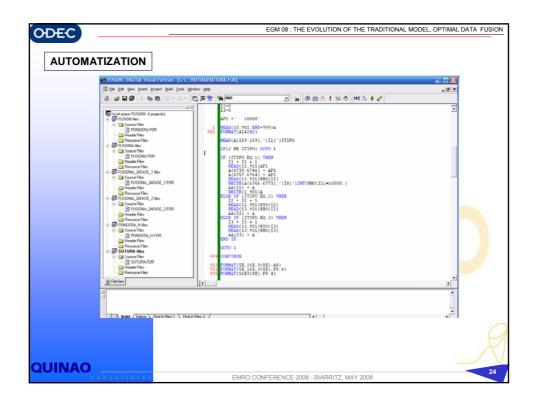


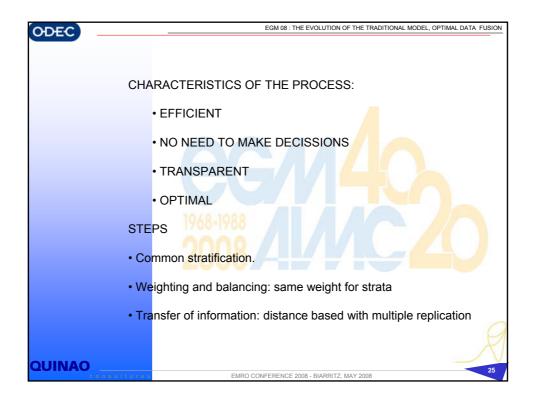
FUSION	DONOR						GHTS
Population	Donors	Receivers	and their we	eights:			Total Receivers weight:
Sample (n) Sample (n)	and their weights:	3,10	0,60	1,40	1,80	1,10	8,00
Sample (n)	3,00		8				]
1) Distance matrix is computed	2,00	2	6	3			
and distances are rank ordered from greatest to lowest.	↓ 1,00 ↓ 0,50		1	7			
2) Pair with the lowest distance between them is selected.	8,00 Total weight				Dista	nce Matrix	
		EMPO CON		BIARRITZ, MAY	2008		20











DEC				OLUTION OF THE			
SC	OME RESULTS:						
	EGM: 1ST WAVE 2008 SPAIN						
	SFAIN		FINAL FILE				
			AFTER	EGM			
			FUSION	MULTIMEDIA	RADIO	PRESS	MAGAZINE
	Total POPULATION	I	38.261	38.261	38.261	38.261	38.26
	LAST PERIOD READERS (000)						
	Daily newspapers		28.876	29,647		28.876	
	Sunday suplements		11.767	11.765		20.070	
	Weekly magazines		21.394	18.583			21.39
	Biweekly magazines		2.802	2.094			2.80
	Monthly magazines	_	21.660	18.869			21.66
	Total Magazines	91	28.087	25.874			28.08
	RADIO LISTENERS						
	TOTAL TEMÁTICA	1	10.845	11.807	10.845		
	TEMÁTICA MUSICAL	10	9.749	10.601	9.749		
	TEMÁTICA INFORMATIVA	- 47	1.300	1.391	1.300		
	OTRAS TEMÁTICAS	1	73	69	73		
	C40	17	3.140	3.266	3.140		
	Dial		1.530	1.706	1.530		
	C100		975	901	975		
	M80	I	533	553	533		
	CINEMA	I	17.651	17.653			
	INTERNET	I	17.549	17.554			
							2
C O N S U	EMRO	CONFE	RENCE 2008 -	BIARRITZ, MAY 20	08		