













	DWH vs SDS						
• Dimen	Dimensional combinations in a data warehouse						
	C1	C2	C3	C4	C5	C6	C7
М	Х	Х	Х	Х	Х	Х	Х
Dimen dissen					in a s	tatistio	
	ninatic	on sy	vstem				
dissen	ninatic C1		vstem C3	 C4	In a s	C6	Cal
dissen	C1 X	on sy C2	vstem				
dissen	ninatic C1	on sy	vstem C3	 C4			
dissen	C1 X	on sy C2	vstem C3	 C4			
dissen M M	C1 X	on sy C2 X	c3 X	 C4 X			
dissen M M M	C1 X	on sy C2 X X	c3 X	 C4 X	C5	C6	



	Dii	mens	iona	l con	nbina	tions	in a S	SDS
		C1	C2	C3	C4	C5	C6	C7
	М	X		X	X			
	М	X	X					
	М		Х	Х	X			
	М		Х			Х	Х	
	М				Х			Х
	М	Х					Х	
_	C1 wi		and C			nensio e OK bi		e limitec
Istat	L	_eonardo	Tininini -	- DB, DW	'H e SDS	- March, 1	2014	10



The agreed common terminology
 Internal Data Warehouse (IDWH) Data are best modelled using star/snowflake schemas Fact tables contain microdata (1 record = 1 unit of analysis)
 Grouping and aggregations are performed on the fly Statistical Dissemination Database (SDDB)
 Data are best modelled using specifically designed data models (e.g. the Nordic Data Model)
 Multidimensional (data-warehouse-like) navigation based on data cubes, dimensions, slice&dice, etc.
 Fact tables (typically) contain already aggregated data, to minimize the dissemination system's response times (1 record = 1 "cell" of a dissemination table)
 Minimal amount of aggregations performed on the fly
12 Leonardo Tininini - DB, DWH e SDS - March, 2014

