

## Structure of the ODYSSEE database

EPE-GIZ training on indicators
EPE, Rio de Janeiro , September 13-16 2011

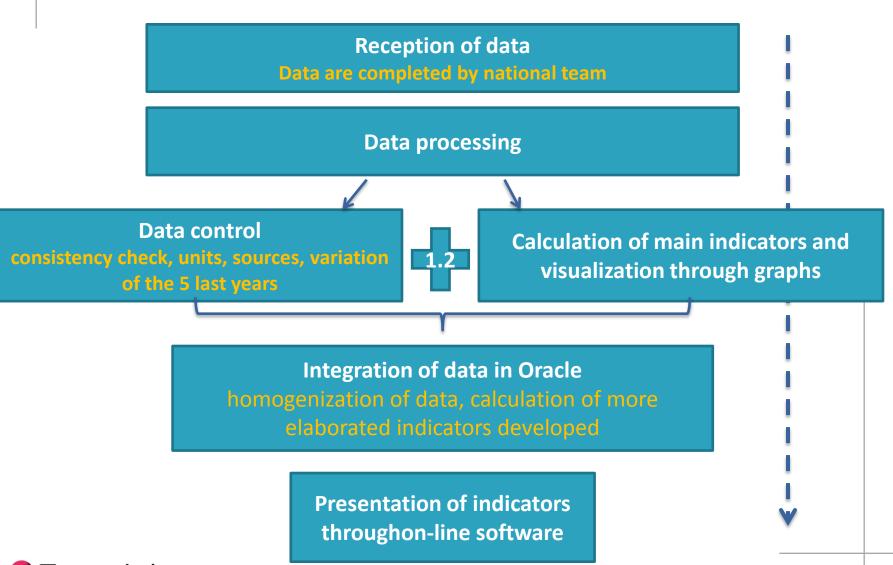
Bruno Lapillonne, Vice président, ENERDATA

#### Data organization

- ☐ Data collected in an Excel template :
  - more transparency to facilitate the work of national teams
  - reinforce control of inputs data to detect inconsistencies and errors
- ☐ Organisation of the data:
  - one sheet by sector including:
    - macro, industry, transport, households, services and agriculture sectors
    - Data control and consistency check
    - Indicators and graphs



#### Data processing procedure





## Organization of data in the template (1)

4	Α	В	C	D	Е	AN	AO	AP	AQ	AR	AS	_
		Macro	economic data and energy	hal	ance							
1		Macio	economic data and energy	Dai	arrog							
2		0	Co Product			2004	2005	2000	2007	2000	0000	
3	I.	Gross Domes		country	units	2004	2005	2006	2007	2008	2009	50
4		pib	GDP in current national currency	aut	M€	232782	244453	257294	270837			tat 1
5		pibxx	GDP at constant prices, national currency	aut	M€2000	219182	225483	233091	240236		S	stat 1
7	II.	Exchange rat	to and the second secon	country	units							
8		txchgecu	Exchange rate: national currency / € (1 for EU euro area		1	1	1	1	1		E	uro
9		txchgppp	Exchange rate in ppp: national currency / €	aut	1	1	1	1	1			uro
10		испуррр	Exchange rate in ppp. Hallonal currency / e	aut	-	<u>'</u>	•	•	•			.uro
11	II.	Value Added	Private consumption at current and constant price	s								
12		vadagr	VA at current prices of agriculture and fishing activities	aut	M€	3928	3550	3851	4346		S	tat -
7	II.	Exchange ra	te	country	units							
8		txchgecu	Exchange rate: national currency / € (1 for EU euro area		1	1	1	1	1		E	uro
9		txchgppp	Exchange rate in ppp: national currency / €	aut	1	1	1	1	1		_	uro =
10					-							
11	II.	Value Added	Private consumption at current and constant price	S								
12		vadagr	VA at current prices of agriculture and fishing activities	aut	M€	3928	3550	3851	4346		S	tat *
13		vadind	VA at current prices of industry (Section C + D + E + F)	aut	M€	61802	64817	70334	74940		S	stat 1
14		vadter	VA at current prices of tertiary sector	aut	M€	144220	151917	158718	165914		S	stat 1
16		vadagrxx	VA at constant market prices of agriculture and fishing ac	aut	M€	3702	3634	3606	3932		S	stat *
17		vadindxx	VA at constant market prices of industry	aut	M€2000	60876	62865	67391	70281			tat '
18		vadterxx	VA at constant market prices of tertiary sector	aut	M€2000	133450	137649	140957	144586			stat *
20		cpr	Private consumption of households in current national cu	aut	M€2000	124278	130338	135839	140080		2	stat '
21		сргхх	Private consumption of households at constant prices, n		M€	116904	119931	122758	123914			stat *
22		Срілл	i iivate consumption of nouseholds at constant prices, ii	aut	mc	110304	113331	122730	123314		3	tat
23	III.	Population										
24		рор	Resident population	aut	k	8175	8233	8282	8315		S	tat 2
25												
26	IV.	Energy balan	ces					<u></u>				
28	V. A	Total energy	consumption									
29		petcp	Total primary oil products consumption	aut	TJ	603372	603926	608397	580457		S	tat :
30		cmscp	Total primary consumption of hard and brown coal (incl.	aut	TJ	169520	169003	171198	162674		S	stat ( 🔻
14 4	<b>⊢</b> H	Introduction	Macro economy_Energy balance_Indu 4		<b>•</b>	4						<b>&gt;</b>
Prêt	9									90 %	U	+
											~	

## Organization of data in the template (2)

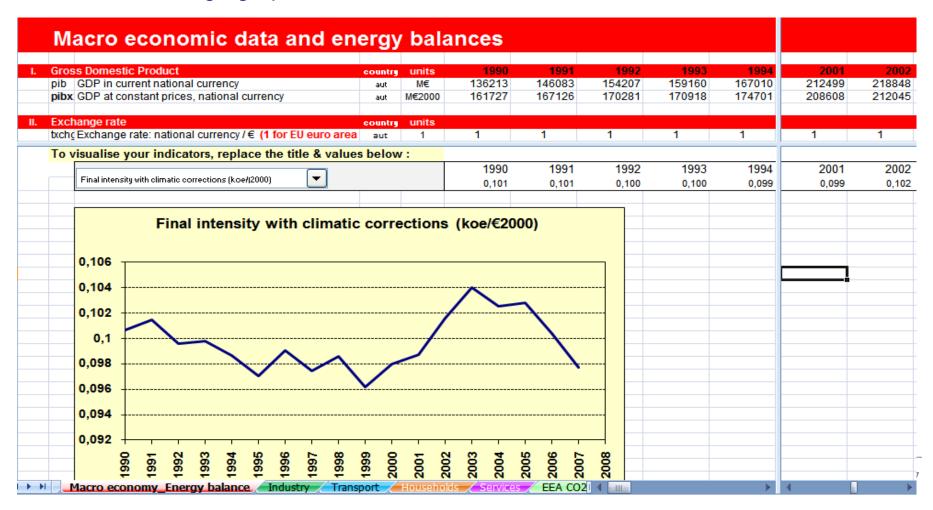
	Α	В	С	AN	AO	AP	AQ	AR	AS	AT
		Macro	economic data and energy							
		Gross Dome	etic Product	2004	2005	2006	2007	2008	2000	
	l.	pib	GDP in current national currency	232782	244453	2006 257294	270837	2008	2009	source stat 1
		pibxx	GDP at constant prices, national currency	219182	225483	233091	240236			stat 1
		PIDAX	obi at constant prices, national currency	213102	223403	255051	240230			Stat 1
	II.	Exchange ra	ite							
		txchgecu	Exchange rate: national currency / € (1 for EU euro area	1	1	1	1			Eurostat
4										
		to contr								
Consistancy	Da	ta contr		2004	2005	2006	2007	2008	2009	
Consistency		Consistency								
check			Share of services in GDP	61%	61%	60%	60%	#DIV/0!	#DIV/0!	
cneck			Share of industry in GDP	28%	28%	29%	29%	#DIV/0!	#DIV/0!	
			Share of agriculture in GDP Sum of value added in GDP (to be around 90%)	2% 90%	2% 91%	2% 91%	2% 91%	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	
			Sum of value added in obr (to be around 50%)	90%	9170	9170	9170	#DIVIU:	#DIVIO:	
2		Calculation of	of economic data in M€2000							
	$\neg$		GDP deflator	94	92	91	89	#DIV/0!	#DIV/0!	
Data			GDP in constant Euros of 2000	219182	225483	233091	240236	0	0	
Data			Value added of industry in M€00	60876	62865	67391	70281	0	0	
h			Value added of agriculture in M€00	3702	3634	3606	3932	0	0	
harmonized			Value added of tertiary in M€00	133450	137649	140957	144586	0	0	
			Private consumption in M€00	116904	119931	122758	123914	0	0	
			GDP per inhabitant	26,81	27,39	28,14	28,89	#DIV/0!	#DIV/0!	
3		Llormonizatio	on of anargy data : all data evareaged in Mass							
<b>5</b>		Harmonizau	on of energy data : all data expressed in Mtoe Primary consumption	33,65	34,55	34,97	33.94	0.00	0.00	
			Final consumption (industry, transport,	25,83	26.42	26.71	25.86	0.00	0.00	
Main			Industry energy consumption	6,25	6,76	7,40	7,50	0.00	0.00	
			I ransport energy consumption	8,88	9,20	8,90	9,04	0,00	0,00	
indicators			Households energy consumption	7,20	7,22	6,96	6,27	0,00	0,00	
			Agriculture	0,65	0,63	0,63	0,61	0,00	0,00	
calculated			Tertiary energy consumption	2,85	2,61	2,83	2,43	0,00	0,00	
Ene			Households energy consumption with climatic	7,35	7,22	7,11	6,93	#DIV/0!	#DIV/0!	
	$\rightarrow$	Introducti	on Macro economy_Energy bala 4	4						

## Organization of data in the template (3)

Maci	o economic data and energy					
Gross Dom	estic Product					
pib	GDP in current national currency		2008/2007	2007/2006	2006/2005	2005/2004
pibxx	GDP at constant prices, national currency		-100%	3%	3%	3
Exchange r	ate					
txchgecu	Exchange rate: national currency / € (1 for EU euro area		-100%	0%	0%	0
Final energ	y consumption by sector					
Industry (no	on energy uses excluded)					
petcfind	Consumption of oil products of industry		-100%	-6%	15%	18
gzlcfind	Consumption of diesel, heating oil of industry		-100%			38
folcfind	Consumption of heavy fuel oil of industry		-100%	-12%	7%	13
pdvcfind	Consumption of other oil products in industry		-100%	-18%		
gazcfind	Consumption of gas of industry		-100%	-2%	0%	12
cmscfind	Consumption of hard and brown coal of industry		-100%	-4%	17%	-12
chacfind	Consumption of hard coal of industry		-100%	-9%	42%	0
ligcfind	Consumption of brown coal (lignite) of industry	quettes	-100%	6%	-6%	-6
cokcfind	Consumption of coke of industry		-100%	-2%	6%	-8
osfcfind	Consumption of other solid fuels of industry (peat)	ke oven gas	-100%	0%	9%	-41
elecfind	Consumption of electricity of industry		-100%	4%	7%	7
vapcfind	Consumption of heat of industry	("Umgebung	-100%	4%	15%	
enccfind	Consumption of wood, waste of industry		-100%	10%	33%	5
toccfind	Total consumption of industry		-100%	1%	9%	8
Transport						
petcftra	Consumption of oil products of transport		-100%	1%	-4%	3
esscftra	Consumption of motor gasoline of transport		-100%	-3%	-2%	-3
gzlcftra	Consumption of diesel oil of transport	and agricultu	-100%	1%	-5%	4
gplcftra	Consumption of LPG of transport		-100%	-2%	-2%	0
carcftra	Consumption of total air transport		-100%	6%	5%	13
folcftra	Consumption of residual fuel oil of transport					
gazcftra	Consumption of gas of transport	ort in pipeline	-100%	-1%	-17%	24

### Organization of data in the template (4)

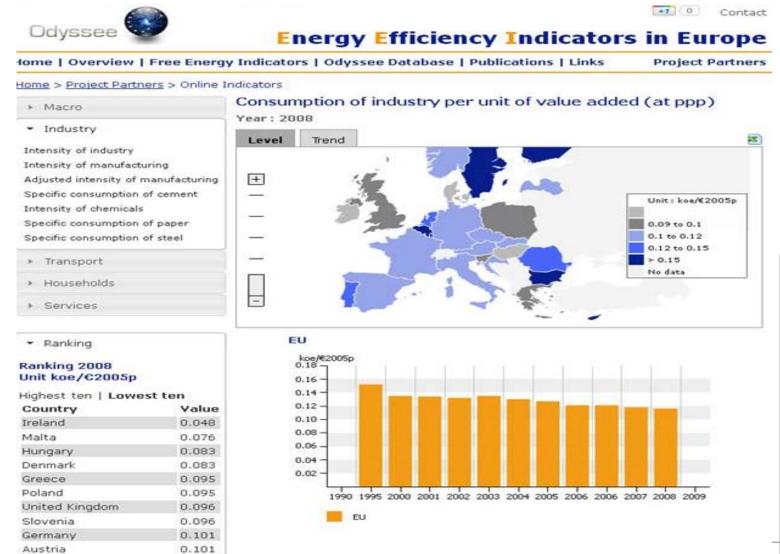
Predefined indicators are calculated directly in the Excel sheet and can be visualized through graphs!



## On-line data request software: easy and friendy



# Key indicators: available through an free interactive database





### Software specifications

□Software developed on a **Windows server Apache** using the language PHP/MySQL.The data base size is 40 Mo an the software 60 Mo

☐ The ORACLE data base size is about 100 Mo

