

SDMX

Benefit
Or / And
Burden?

SDMX

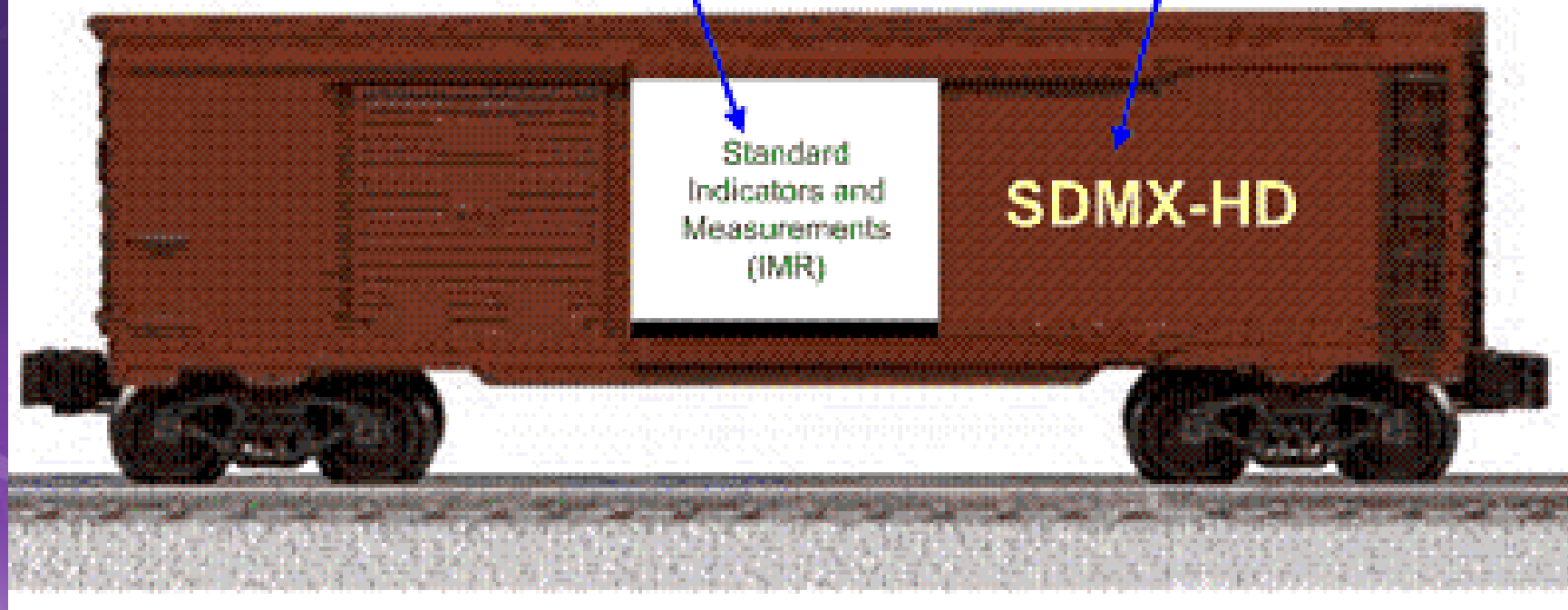
- SDMX (Statistical Data and Metadata eXchange) is an initiative to foster standards for the exchange of statistical information
- SDMX-ML (using XML syntax) and SDMX-EDI (using EDIFACT)
- International Standard (ISO 17369:2013)

Content

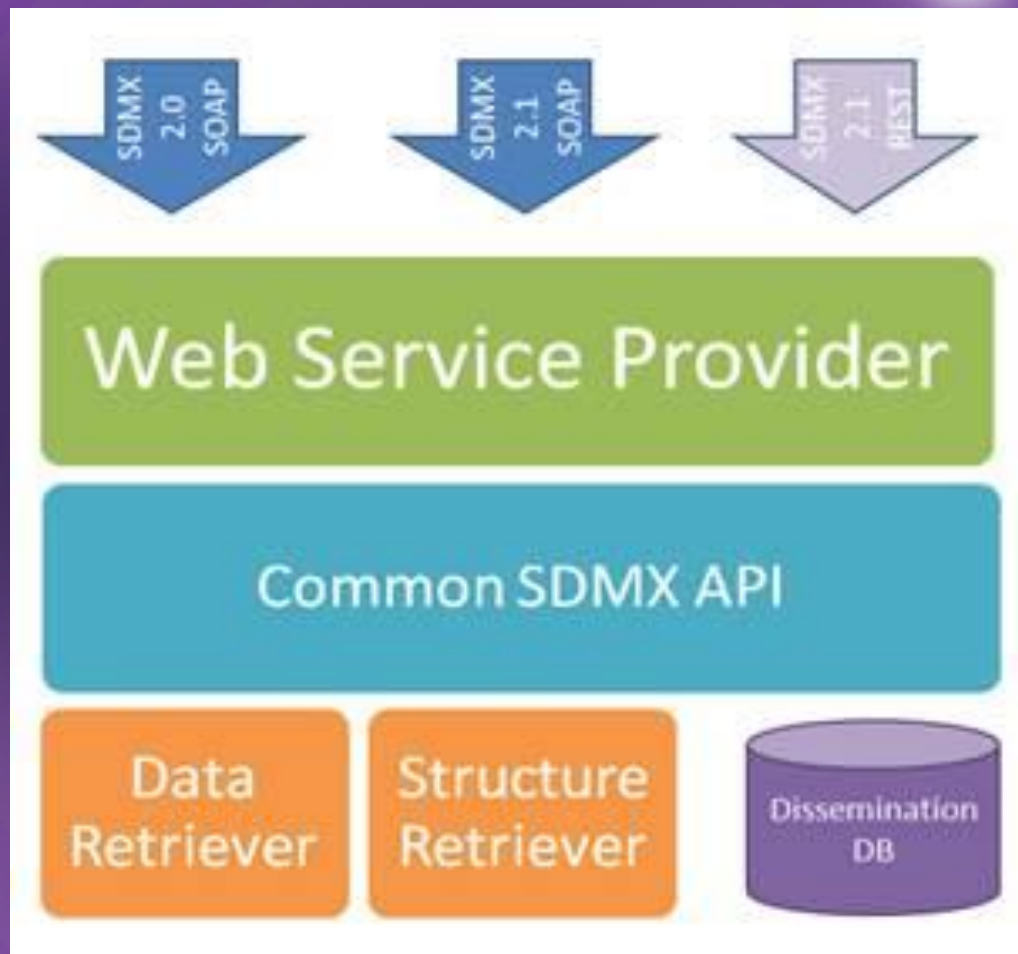
*Data exchange
format*

**Standard
Indicators and
Measurements
(IMR)**

**SDMX-
HD**



SDMX-RI



Eurostat: SDMX on energy prices



Energy statistics - prices (nrg_price)

Reference Metadata in Euro SDMX Metadata Structure (ESMS)

Compiling agency: Eurostat, the statistical office of the European Union

Eurostat metadata

Reference metadata

- [1. Contact](#)
 - [2. Metadata update](#)
 - [3. Statistical presentation](#)
 - [4. Unit of measure](#)
 - [5. Reference Period](#)
 - [6. Institutional Mandate](#)
 - [7. Confidentiality](#)
 - [8. Release policy](#)
 - [9. Frequency of dissemination](#)
 - [10. Dissemination format](#)
 - [11. Accessibility of documentation](#)
 - [12. Quality management](#)
 - [13. Relevance](#)
 - [14. Accuracy](#)
 - [15. Timeliness and punctuality](#)
 - [16. Comparability](#)
 - [17. Coherence](#)
 - [18. Cost and Burden](#)
 - [19. Data revision](#)
 - [20. Statistical processing](#)
 - [21. Comment](#)
- [Related Metadata](#)
[Annexes](#) (including footnotes)

SDMX and Energy Data

IEA Electricity Information Statistics

eISSN: 1683-4283 DOI: [10.1787/elect-data-en](https://doi.org/10.1787/elect-data-en)

Select data

- OECD - Monthly net electricity supply [i](#)
- OECD - Electricity and heat generation [i](#)
- OECD - Electricity exports by destination [i](#)
- OECD - Electricity imports by origin [i](#)
- OECD - Net electrical capacity [i](#)
- OECD - Net electricity and heat production by autoproducers [i](#)
- OECD - Electricity/heat supply and consumption [i](#)

[» More statistics on OECD iLibrary](#)

Key Tables

[» More Key Tables on OECD iLibrary](#)

Related titles

- [» World Energy Outlook](#)
- [» Electricity Information](#)
- [» Gadgets and Gigawatts : Policies for Energy](#)

OECD - Net electrical capacity [i](#)

[Customise](#) | [Export](#) | [Draw chart](#) | [My Queries](#) | [Cite this database](#)

	2003	2004	2005	2006	2007	2008	2009	2010			
Product											
Plant											
Time											
Country											
Australia	42 833	44 416	46 754	46 870	46 972	46 630	46 704	49 420	50 646	52 987	55 730
Austria	16 172	16 296	16 134	16 446	16 971	17 344	17 567	17 492	18 842	18 884	19 099
Belgium	15 243	15 117	15 142	15 207	15 245	15 602	15 762	15 807	15 786	16 169	16 196
Canada	103 478	103 584	105 294	108 010	111 914	114 856	115 990	117 915	118 941	126 588	128 182
Chile	9 302	9 699	9 854	10 273	11 138	11 569	11 756	12 114	12 835	14 420	14 931
Czech Republic	12 951	12 988	14 042	15 170	15 198	15 116	15 147	15 216	15 757	16 137	17 968
Denmark	11 775	11 940	12 069	12 308	12 351	12 396	12 348	12 361	12 343	12 741	12 795
Estonia	2 773	2 417	2 381	2 385	2 660	2 527	2 530	2 598	2 665	2 647	2 729
Finland	13 796	14 041	14 104	14 091	14 102	14 003	14 097	14 258	14 285	13 932	14 282
France	109 273	110 212	110 899	110 860	111 307	109 022	108 977	109 762	110 841	112 935	117 465
Germany	108 379	109 785	116 150	114 739	114 261	114 410	121 787	124 279	129 081	136 000	145 880
Greece	10 690	10 774	11 358	11 834	12 172	13 049	13 328	13 510	13 727	13 681	14 593
Hungary	8 084	8 197	8 318	8 126	8 444	8 451	8 485	8 407	8 578	8 743	8 843

IEA E

Export

- Excel
- Text file (CSV)
- PC-Axis
- SDMX
- Related Files

Generate SDMX (XML) file to export

- Generic Data
- Compact Data

Export to SDMX file

Export to DSD

SDMX Query:

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SDMX DATA URL:

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```

SDMX Data Structure Definition URL:

```
http://stats.oecd.org/restsdmx/sdmx.ashx/GetDataStructure/ELE_CAPACITIES/OECD
```

Select data

- OECD - Mor
- OECD - Elec
- OECD - Elec destination
- OECD - Elec
- OECD - Net
- OECD - Net production b
- OECD - Elec consumption

>> More statistic

Key Tables

>> More Key Ta

Related titles

> World Energy

> Electricity Information

Greece	10 690	10 774	11 358	11 834	12 172	13 049	13 328	13 510	13 727	13 68
Hungary	8 084	8 197	8 318	8 126	8 444	8 451	8 485	8 407	8 578	8 74

Actual SDMX file ...



International Energy Agency

OECD iLibrary

Login | Contact us | User Guide

Search this Database :

IEA E

eISSN: 168

Select data

- OECD - Mor
- OECD - Elec
- OECD - Elec destination
- OECD - Elec
- OECD - Net
- OECD - Net production b
- OECD - Elec consumption

>> More statistic

Key Tables

>> More Key Ta

Related titles

> World Energy

> Electricity Information

Gadgets and Gigawatts - Policies for Energy

Export

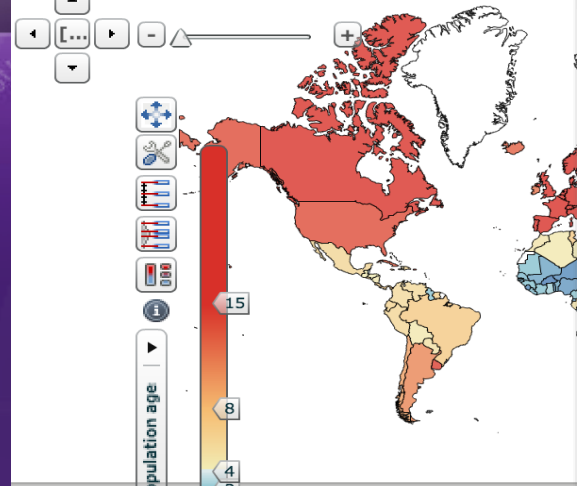
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	2009	2010
Greece	10 690	10 774
Hungary	8 084	8 197



Map Scatter Matrix

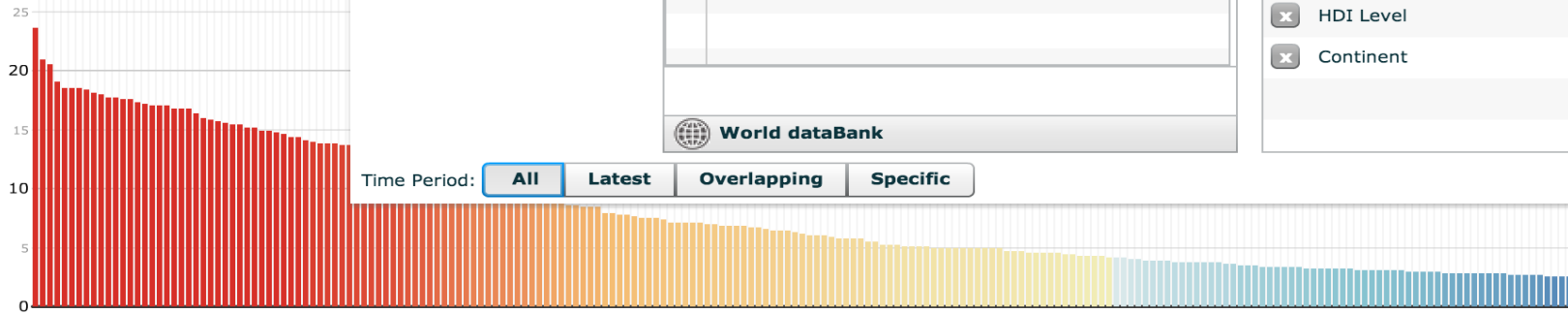
Show Legend



Bar Chart Time Bar Chart Distribution Plot

Settings

Population ages 65 and above (%)



Time Period: All Latest Overlapping Specific

Data Management

- Add more indicators and select regional level
- World dataBank
- Load Text File (Unicode)
- Load SDMX File
- Load Excel File

Available Indicators

Preloaded Indicators

Numeric	
<input checked="" type="checkbox"/>	Population, total 1960-2010
<input type="checkbox"/>	Population ages 0-14 (% of total) 1960-2010
<input checked="" type="checkbox"/>	Population ages 15-64 (% of total) 1960-2010
<input checked="" type="checkbox"/>	Population ages 65 and above (% of total) 1960-2010
<input checked="" type="checkbox"/>	Life expectancy at birth, total (years) 1960-2010
<input checked="" type="checkbox"/>	Fertility rate, total (births per woman) 1960-2010
<input type="checkbox"/>	GDP growth (annual %) 1960-2010

Categoric

- HDI Level
- Continent

World dataBank

Selected Indicators

- Population, total
- Population ages 15-64 (% of total)
- Population ages 65 and above (% of total)
- Life expectancy at birth, total (years)
- Fertility rate, total (births per woman)

Categoric

- HDI Level
- Continent



SDMX vs. DDI

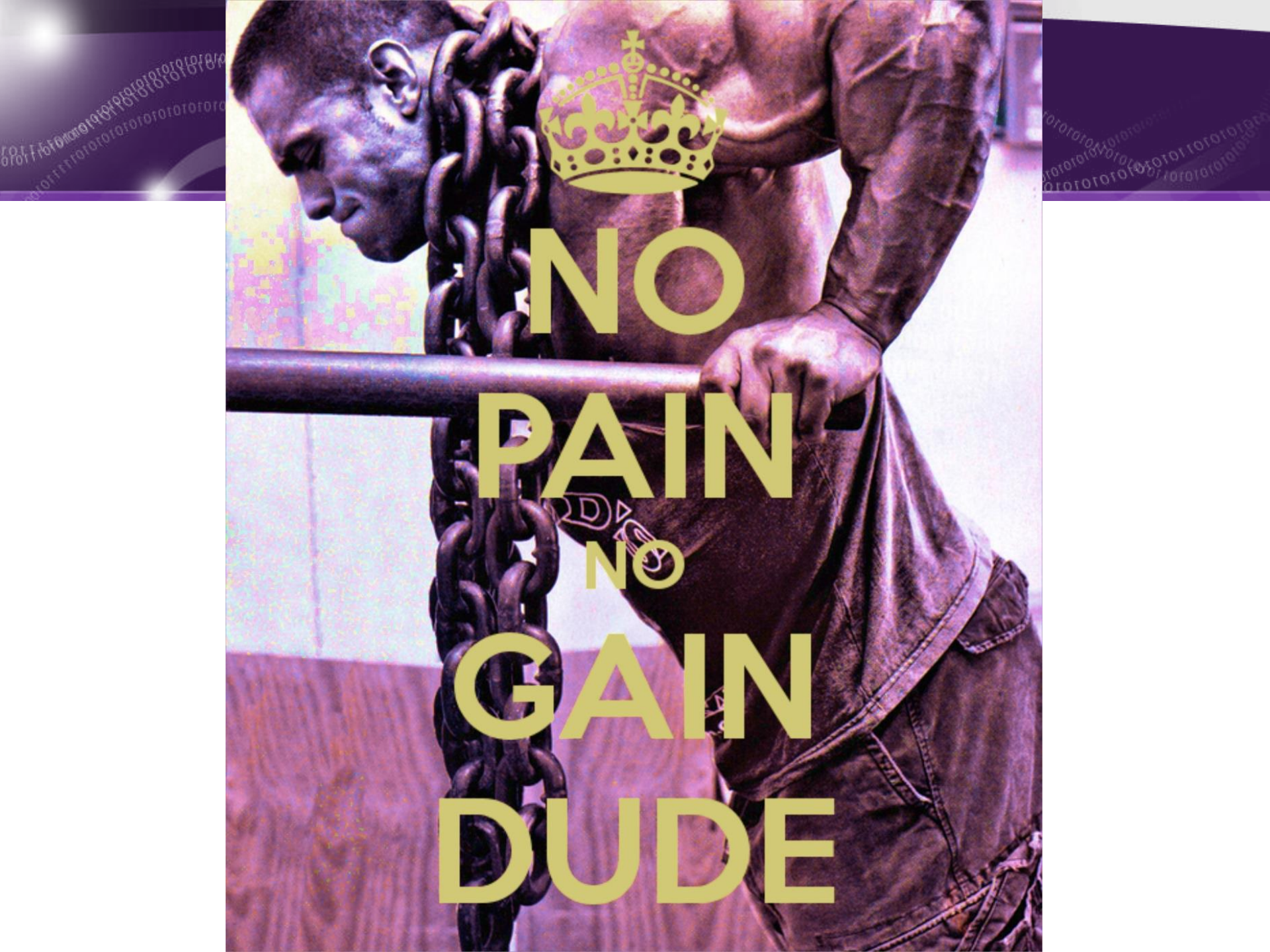
Quality Management / Metadata Management

1 Specify Needs	2 Design	3 Build	4 Collect	5 Process	6 Analyze	7 Disseminate	8 Archive	9 Evaluate
1.1 Determine needs for information	2.1 Design outputs	3.1 Build data collection instrument	4.1 Select sample	5.1 Integrate data	6.1 Review draft outputs	7.1 Update output schedule	8.1 Define archive rules	9.1 Gather evaluation inputs
1.2 Consider constraints	2.2 Design software definitions	3.2 Build or enhance process components	4.2 Set up collection	5.2 Classify records	6.2 Review outputs	7.2 Produce dissemination products	8.2 Manage archive metadata	9.2 Conduct evaluation
1.3 Establish output objectives	2.3 Design data collection methodology	3.3 Test production system	4.3 Run collection	5.3 Perform quality control	6.3 Publish outputs	7.3 Review release of dissemination products	8.3 Define rules and associated metadata	9.3 Agree action plan
1.4 Identify concepts	2.4 Design frame & control methodology	3.4 Test production system	4.4 Manage collection	5.4 Define and verify variables & valid ranges	6.4 Apply disclosure control	7.4 Review release of dissemination products	8.4 Organize of table metadata	
1.5 Check data availability	2.5 Design statistical processing methodology	3.5 Test statistical processing program		5.5 Compare weights	6.5 Finalize outputs	7.5 Produce dissemination products		
1.6 Prepare budget case	2.6 Design production or control workflow	3.6 Finalize production system		5.7 Calculate aggregates		7.6 Manage user support		
				5.8 Analyze data files				

DDI

SDMX

DDI



NO
PAIN
NO
GAIN
DUDE