Ministry of Energy

Data collection system
Case of JODI

Presentation to the 10th Regional JODI Workshop

Algiers, 25th November 2014

DGS/DSE

I- Data Flow Chart (Institutional)

Sources

Process

End users

| Energy companies & agencies | Ministry of energy | National Institutions (ONS, B.A, other Ministries) |

- Planning Department;
- Marketing Department

DG STRATEGY

National Institutions (ONS, B.A, other Ministries)

International organizations (OPEC, GECF,OAPEC,….)

Others: WEB site

I- Data Flow Chart

a- Data sources for JODI

Ministry of Energy

Physical (Electricity chain):
Power generation,
distribution & marketing;

Distribution of
refined products

Physical (hydrocarbon chain):
production, refinery intake,
Distribution & external trade;

II- Data Collection System

Three main steps
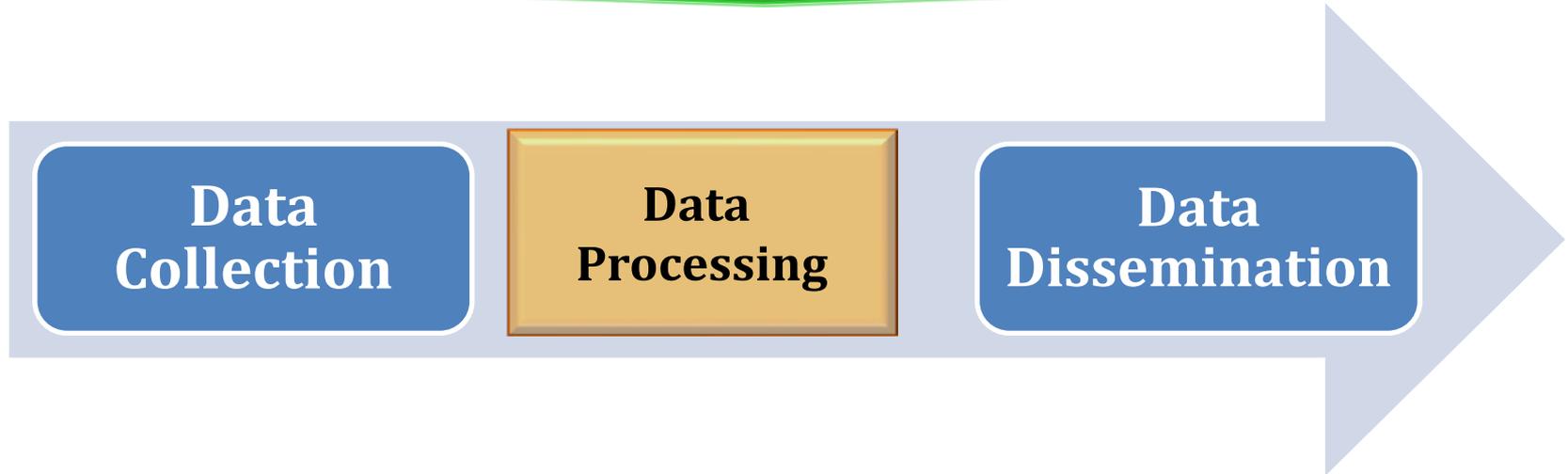
Data Collection	Data Processing	Data Dissemination
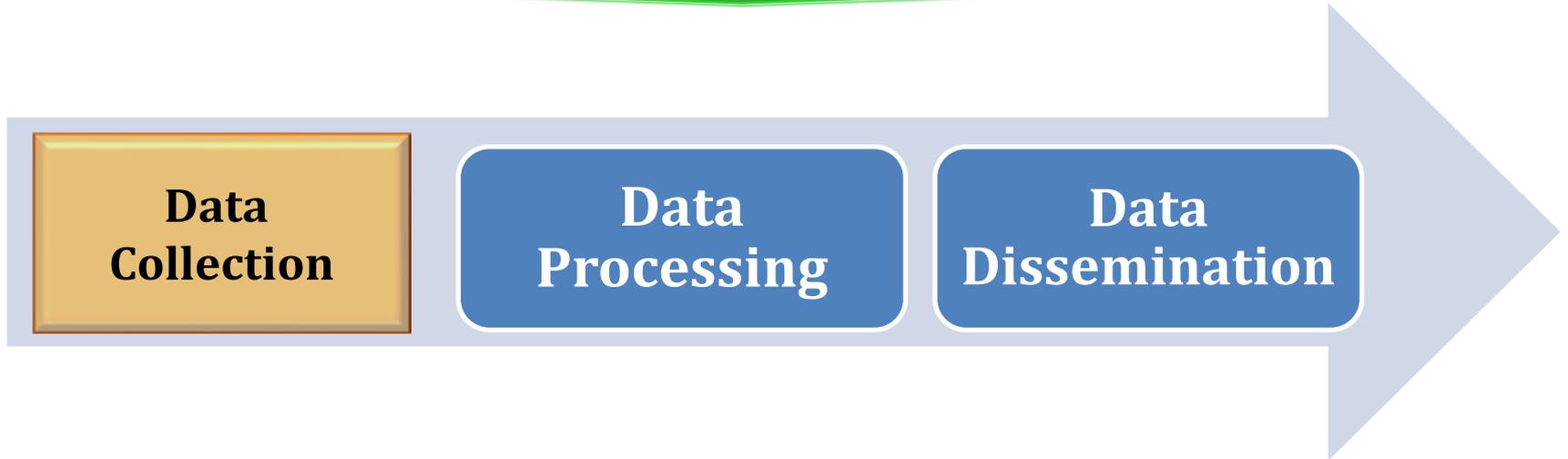
- Receiving statistical tables & questionnaires from companies (mainly Sonatrach);

II- Data Collection System

Three main steps

Data Collection	Data Processing	Data Dissemination

- Exploitation of reports received,
- Consistency check & validation of data,

II- Data Collection System
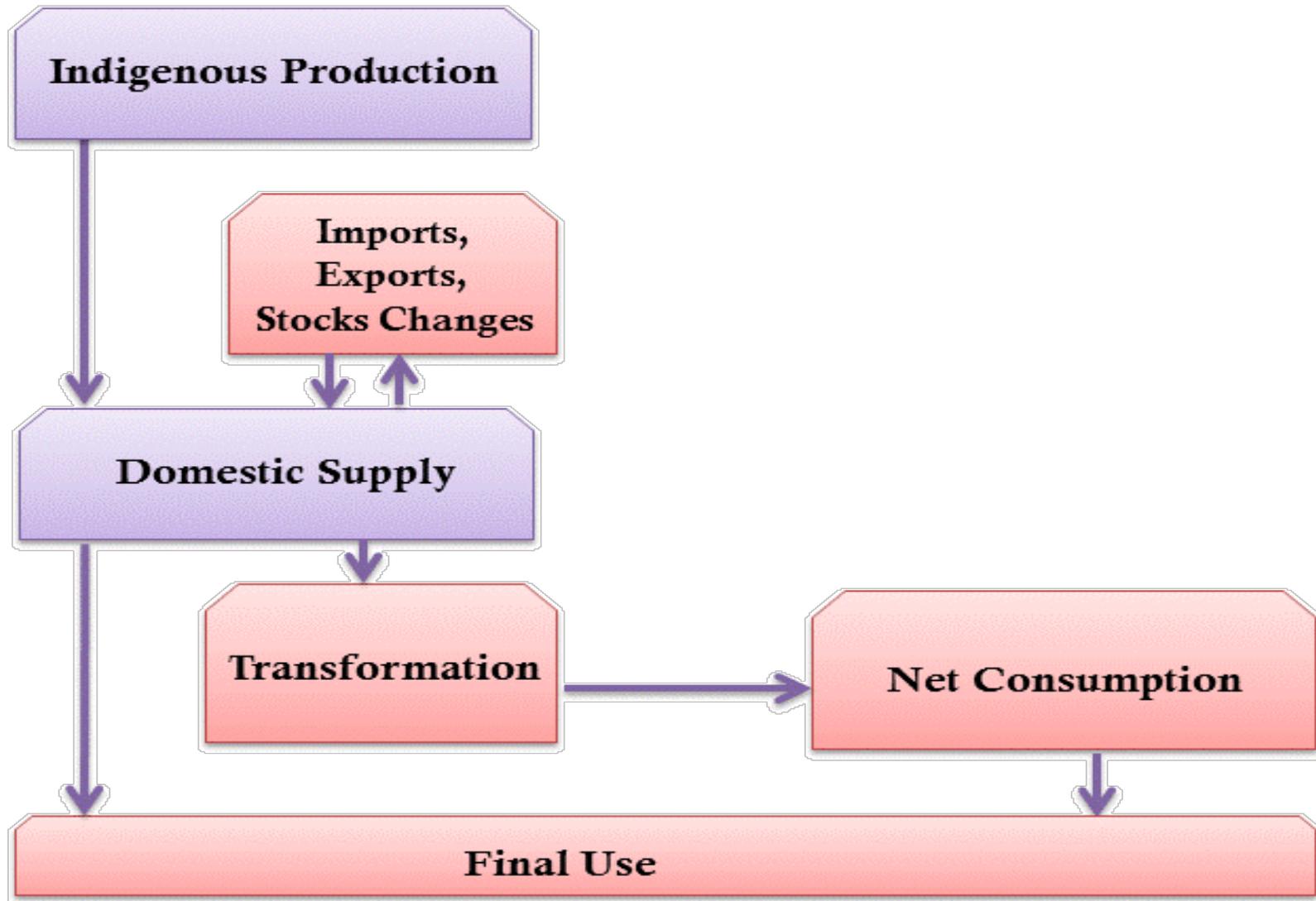
Three main steps

Data Collection   **Data Processing**   **Data Dissemination**
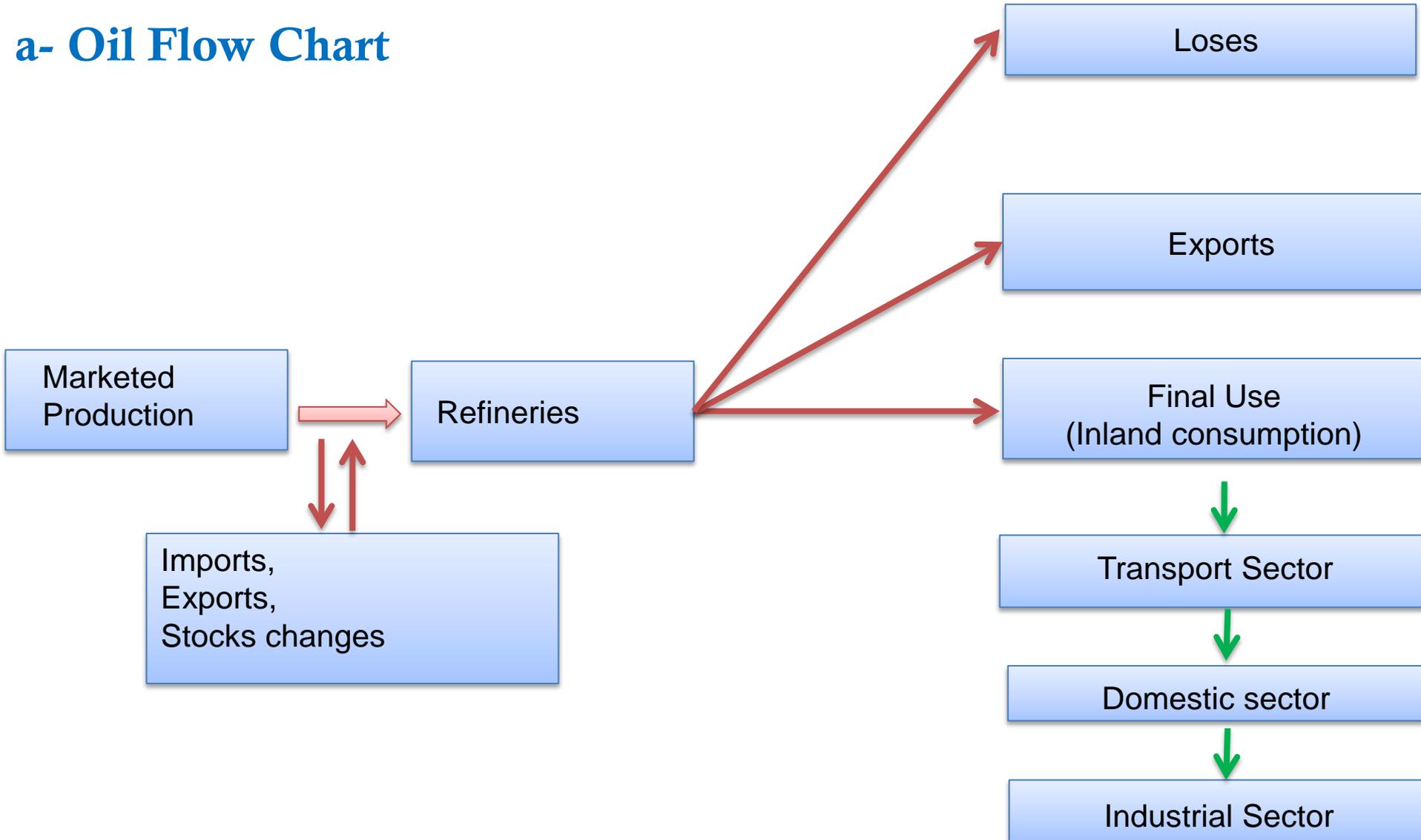
- Elaboration/Production of the monthly statistical reports (Oil Production/ Supply statement, JODI-quest., Revenue reports (Exports & fiscal) ...);
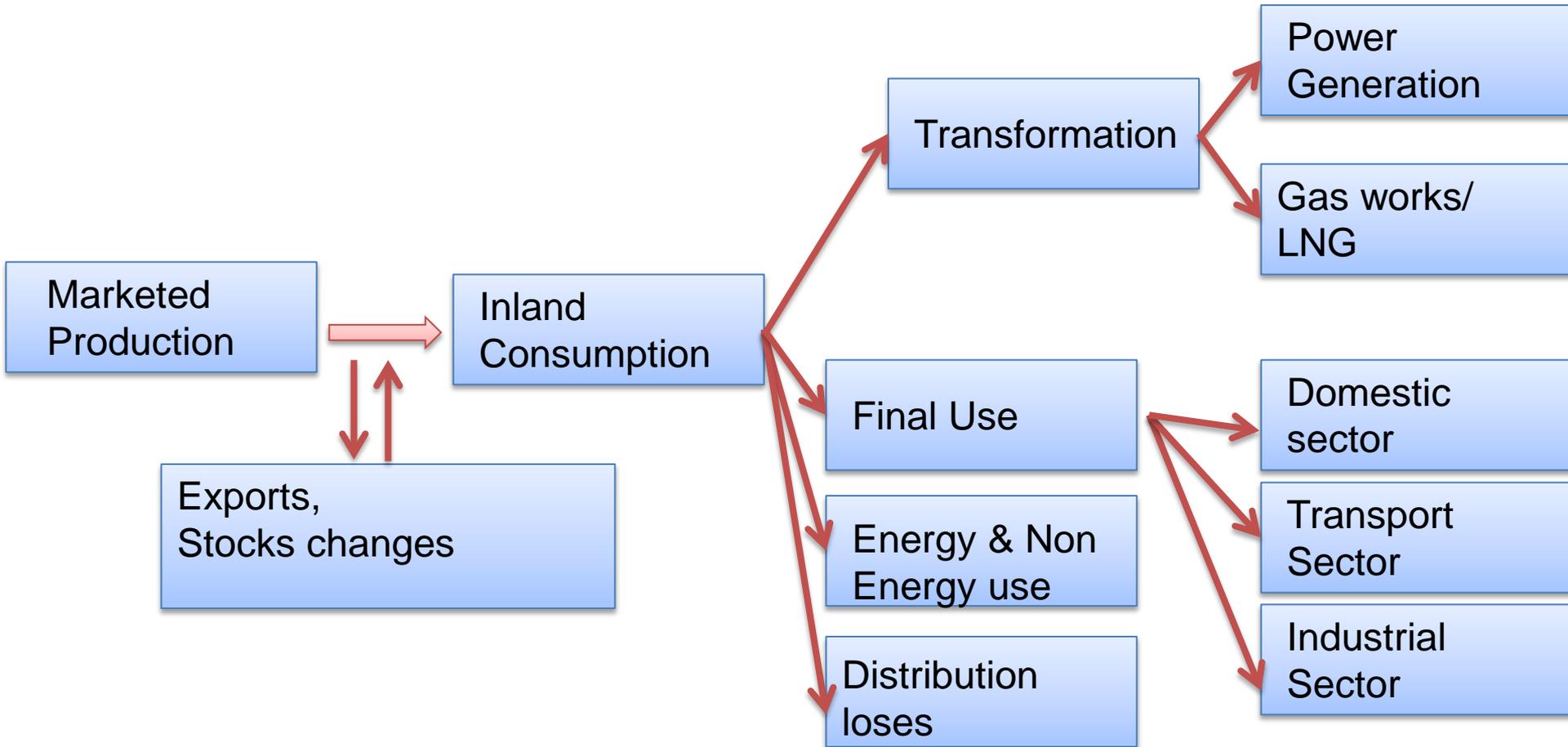
III- Data Flow Diagram

III- Data Flow Diagram

a- Oil Flow Chart

III- Data Flow Diagram

b- Natural Gas Flow Chart

- **Illustrative cases**: Production/supply statement

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OPEC  VIENNA/AUSTRIA
SECRETARY GENERAL

COUNTRY : ALGERIA
December

PLEASE FIND HEREBELOW MONTHLY REQUESTED INFORMATION . (THOUSAND B/D)
1- PRODUCTION                        :
2- DOMESTIC  CONSUMPTION

                          * LOCAL DELIVERIES  :
                          * REFINERY LOSS     :
                          * OWN USE           :
3-NET EXPORT SALES                :
4-STOCK MOVEMENT OUTSIDE
NATIONAL BOUNDARIES
          *CRUDE OIL              :
          *PRODUCTS               :

5-STOCK MOVEMENT WITHIN
  NATIONAL BOUNDARIES
          *CRUDE OIL              :
          *PRODUCT                :
6-REFINERY RUNS                   :
7-SPIKED  CONDENSATES  INTO  CRUDE    :
SPIKED  CONDENSATES  INTO PRODUCTS  :
TANKER  LOADING  LIST

CRUDE  EXPORT:
 B/L  DATE                    VESSELS              VOLUME(BBL)

PRODUCT  EXPORT:
 B/L DATE                     VESSELS              VOLUME (BBLS)

CRUDE IMPORT
 B/L DATE                     VESSELS              VOLUME (BBLS)

PRODUCT IMPORT
 B/L DATE                     VESSELS              VOLUME (BBLS)
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Data source for JODI-Oil questionnaire

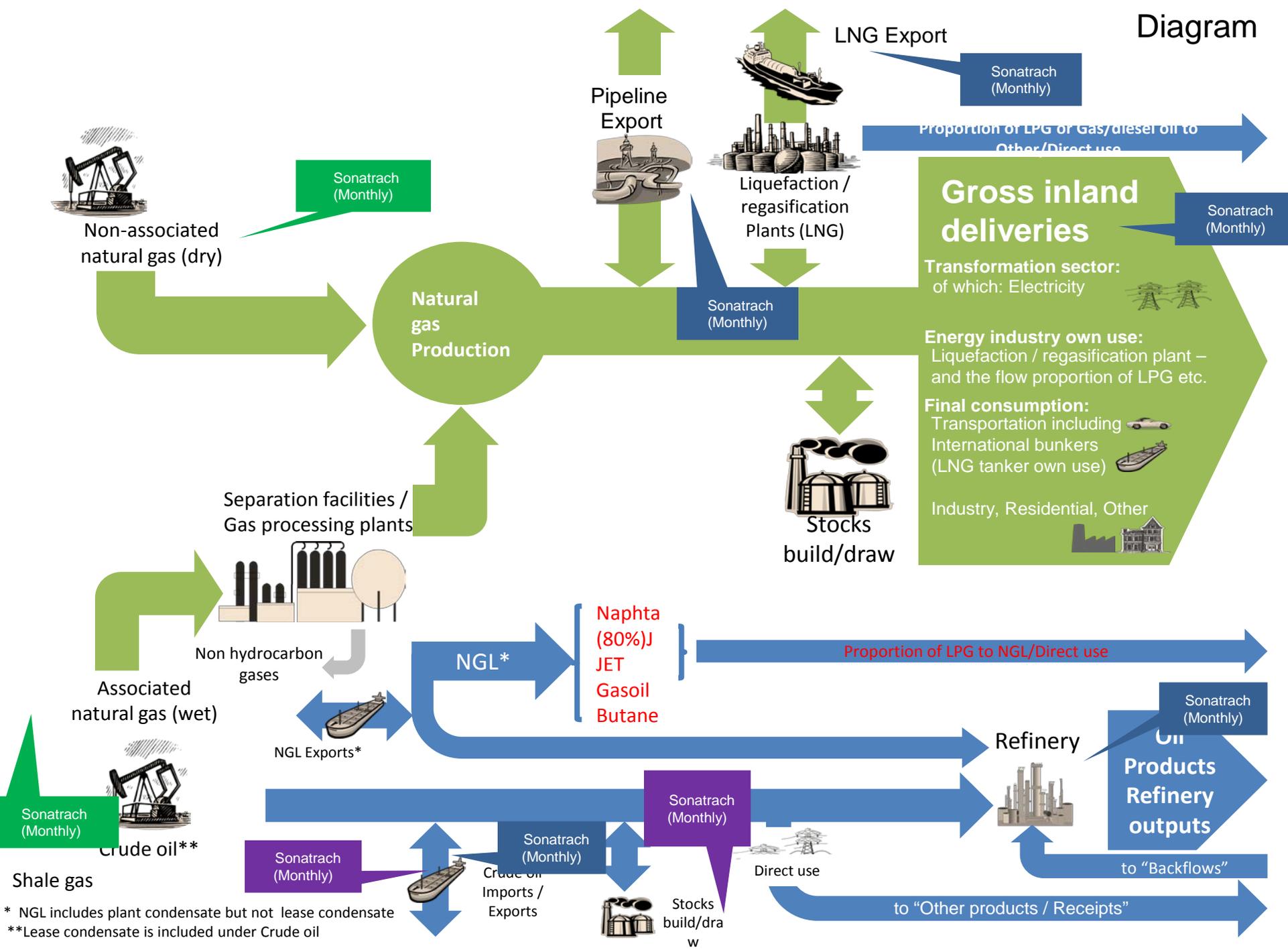|	Crude oil	NGL	Other	Total (1)+(2)+(3)
	(1)	(2)	(3)	(4)
+ Production	Sonatrach (Monthly)			
+ From other sources			Not available or not sure	
+ Imports	Sonatrach (Monthly)			
- Exports	Sonatrach (Monthly)			
+ Products Transferred/Backflows			Not available or not sure	
- Direct use	Sonatrach (Monthly)			
- Stock change				
- Statistical difference	0	0	0	0
= Refinery intake	Sonatrach + refinery of Adrar (Monthly)			
Closing stocks	Sonatrach (Monthly)			

Petroleum Products

	LPG	Naphtha	Motor/ aviation gasoline	Kerosenes	Of which: Kerosene type jet fuel	Gas/ diesel oil	Fuel oil	Other oil products	Total oil products (5)+(6)+(7)+(8)+(10)+(11)+(12)
	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
+ Refinery output	Sonatrach + refinry of Adrar (Monthly)								
+ Receipts	Not available or not sure								
+ Imports	Sonatrach (Monthly)								
- Exports									
- Products transferred	Not available or not sure								
+ Interproduct transfers									
- Stock change	Calculated by the Ministry of Energy								
- Statistical difference	0	0	0	0	0	0	0	0	0
= Demand	Naftal + Sonatrach for the private sector (Monthly)								
Closing stocks									

Data source for JODI-Gas questionnaire

	Natural Gas in million m³ (at 15°C, 760 mm hg)	Natural Gas in Terajoules	Natural Gas (LNG) in 1000 tons
Production	Sonatrach (Monthly)	Not available or not sure	
Receipts from Other Sources	Not available or not sure		
Imports	Not applicable		
LNG	Not applicable		
Pipeline	Not applicable		
Exports	Sonatrach (Monthly)		
LNG	Sonatrach (Monthly)		
Pipeline	Sonatrach (Monthly)		
Stock Change	Calculated by the Ministry of Energy	Not available or not sure	
Gross Inland Deliveries (Calculated)	0	0	
Statistical Difference (Calculated)	0	0	
Gross Inland Deliveries Observed	Sonatrach & Sonelgaz (Monthly)		
of which: Electricity and Heat Generation			
Closing stocks			

Mass to volume conversion factor of LNG (if you have specific figure)	
m³/ton	**LNG**

Diagram

Non-associated natural gas (dry)

Sonatrach (Monthly)

Pipeline Export

LNG Export

Sonatrach (Monthly)

Liquefaction / regasification Plants (LNG)

Proportion of LPG or Gas/diesel oil to Other/Direct use

Gross inland deliveries

Sonatrach (Monthly)

Transformation sector:
of which: Electricity

Energy industry own use:
Liquefaction / regasification plant – and the flow proportion of LPG etc.

Final consumption:
Transportation including International bunkers (LNG tanker own use)

Industry, Residential, Other

Natural gas Production

Sonatrach (Monthly)

Separation facilities / Gas processing plants

Stocks build/draw

Non hydrocarbon gases

NGL*

Naphta (80%)J JET Gasoil Butane

Proportion of LPG to NGL/Direct use

Sonatrach (Monthly)

Associated natural gas (wet)

NGL Exports*

Refinery

Oil Products Refinery outputs

Sonatrach (Monthly)

Crude oil**

Sonatrach (Monthly)

Sonatrach (Monthly)

Crude oil Imports / Exports

Sonatrach (Monthly)

Direct use

to "Backflows"

Shale gas

Stocks build/draw

to "Other products / Receipts"

* NGL includes plant condensate but not lease condensate
**Lease condensate is included under Crude oil

Diagram

Thank You for Your Attention