

# Industry outlook

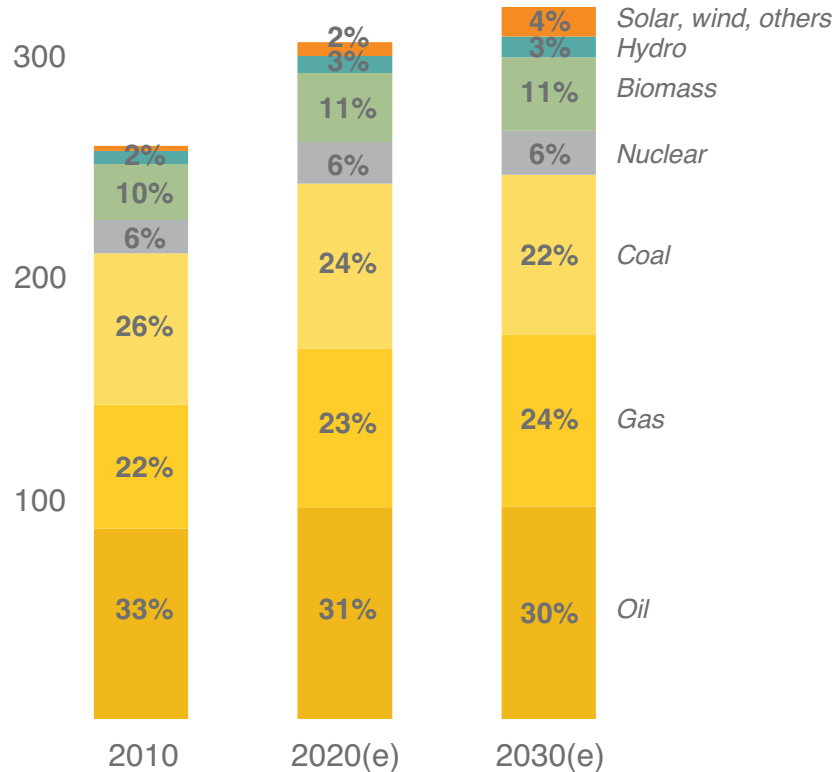
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# Increasing need for fossil energies by 2030

## Energy mix scenario\*

Mboe/d



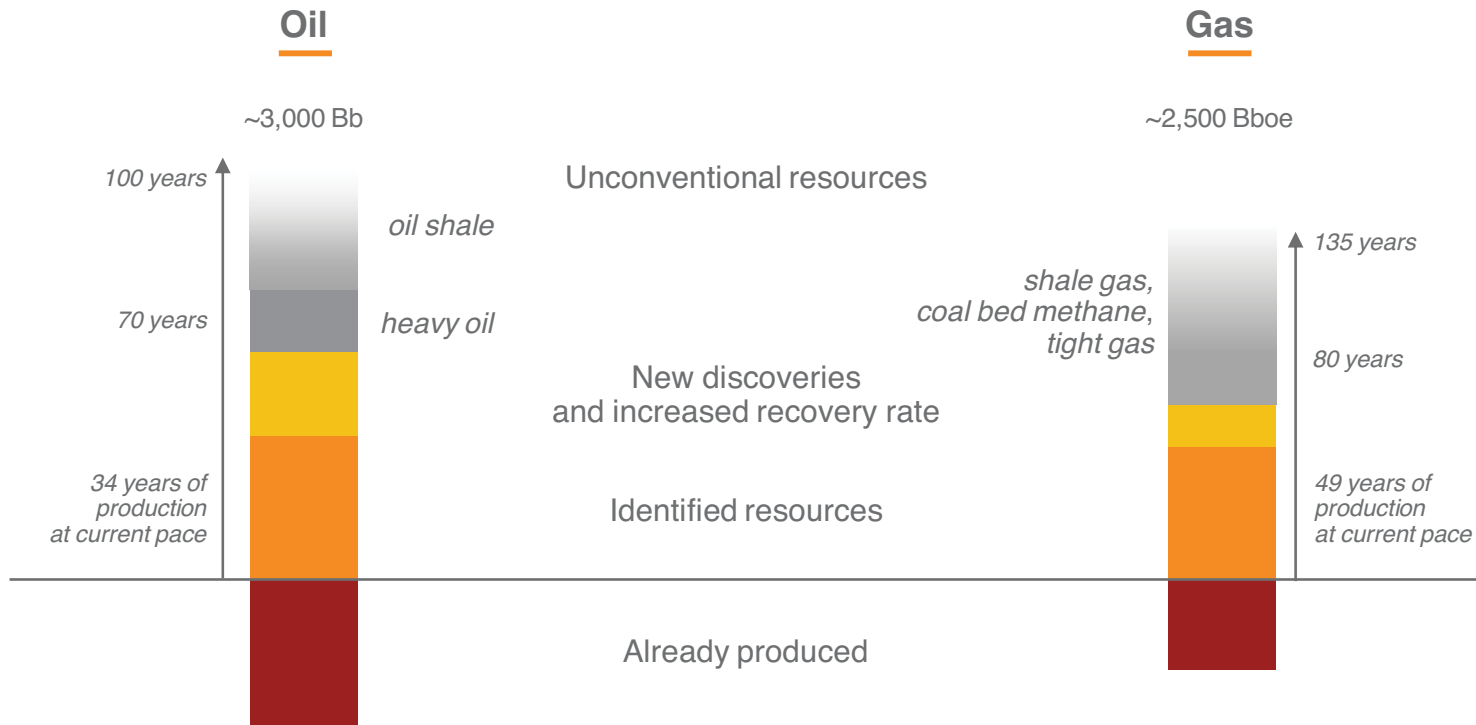
- ▶ Fossil energies to represent 76% of energy supply in 2030
  
- ▶ Gas to become the second-largest energy source by 2030
  
- ▶ Strong growth of new energies to satisfy demand
  - Solar : +17% CAGR\*\*
  - Biofuels : +5% CAGR

Total estimates

\* demand growth rate based on 3.7% annual GDP growth rate assumption .  
oil demand based on refined product demand, excluding bio-fuels and volume gains in refining

\*\* compound annual growth rate

# Significant resources yet to be produced



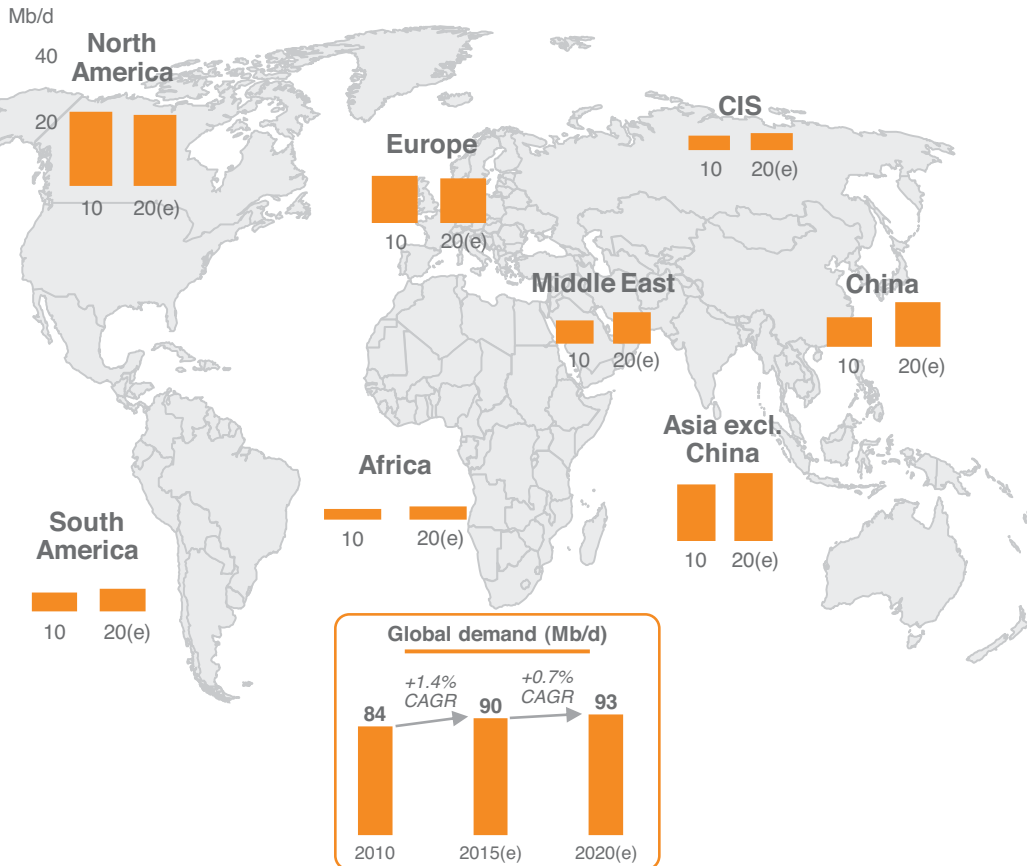
- ▶ Projects becoming more complex
- ▶ Need for improved access, large-scale investments and advanced technology
- ▶ Growing importance of CSR requirements

***Oil and gas resources require higher capital expenditures to be brought onstream***

Total estimates

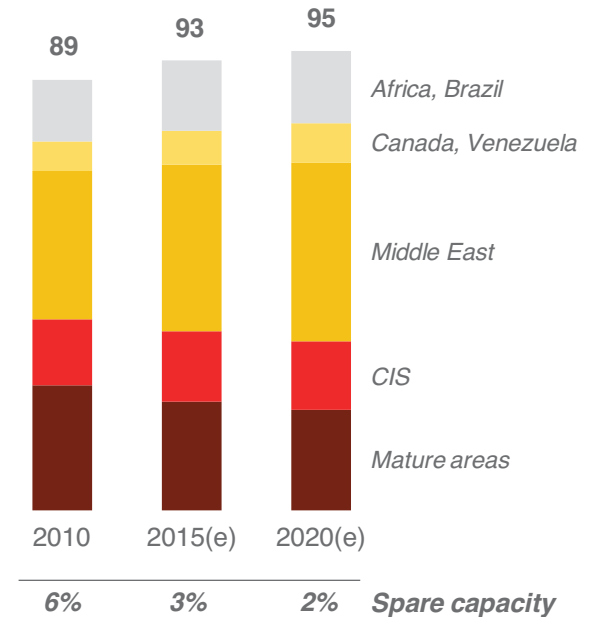
# Spare capacity progressively reduced

Change in oil demand by 2020\*



Global oil production capacity

(in Mb/d)



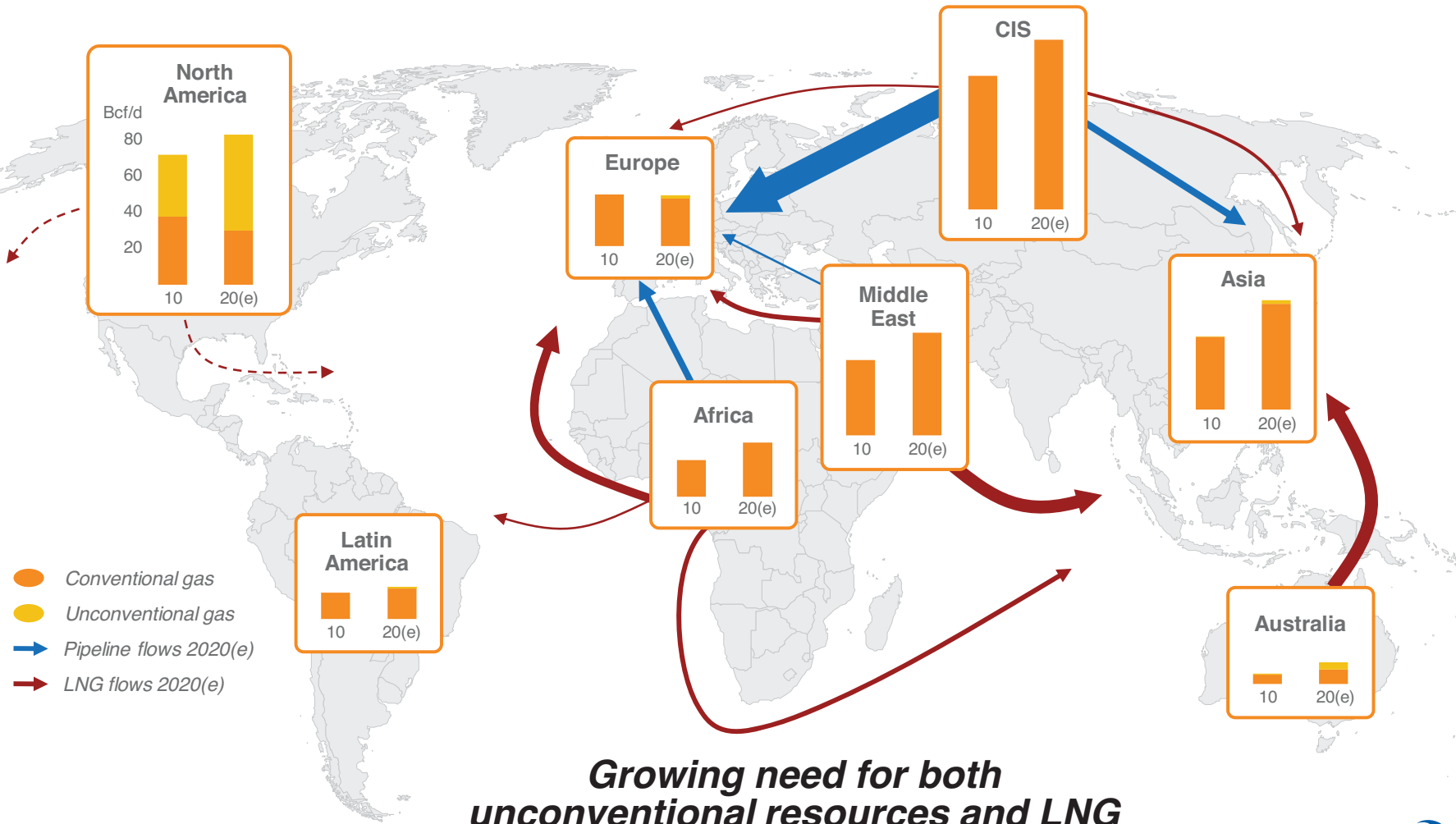
## Structural support for oil prices

Total estimates

- \* demand growth rate based on 3.7% annual GDP growth rate assumption
- oil demand based on refined product demand, excluding bio-fuels and volume gains in refining

# 2010-2020 gas demand to increase by 2.5% per year

## Gas production by region and main inter-regional flows

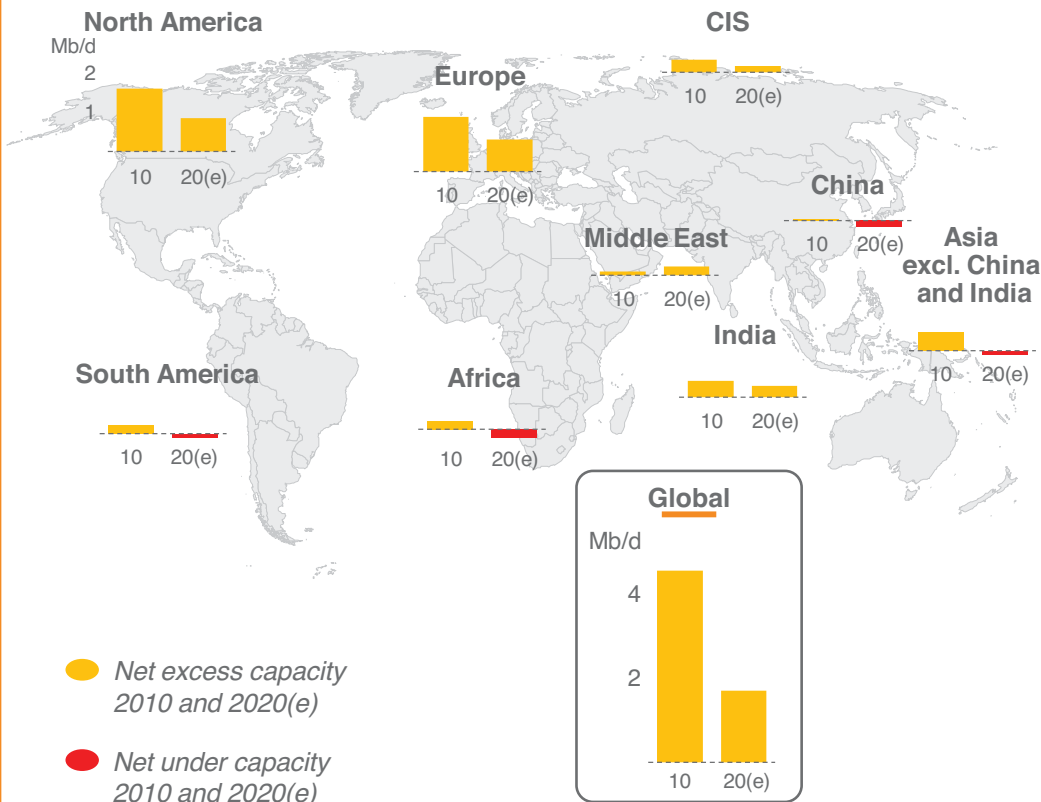


**Growing need for both unconventional resources and LNG**

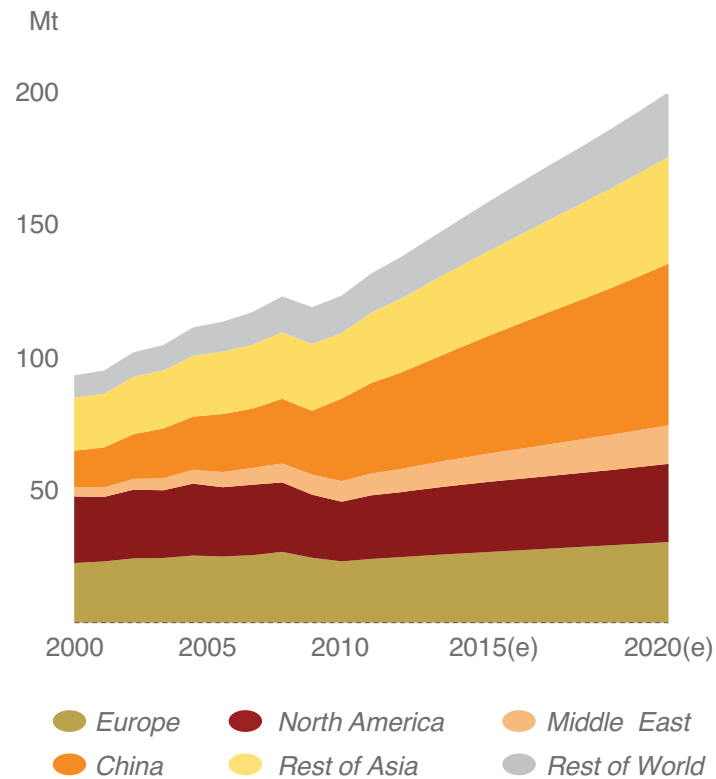
Total estimates

# Refining and petrochemicals : structural shift from OECD to Middle East and Asia

## Excess refining capacity 2010-2020



## Global polymer demand



Total estimates

# Challenging environment requires mix of skills and assets

- ▶ Ability to develop diversified portfolios to maximize access to resources and mitigate risks
- ▶ Anticipate and adapt to market trends and stakeholder needs
- ▶ Capacity to manage large projects in diverse environments, incorporating safety and acceptability in daily operations
- ▶ Financial strength and solid asset base

# Disclaimer

This document may contain forward-looking statements, including within the meaning of the Private Securities Litigation Reform Act of 1995, notably with respect to the financial condition, results of operations, business, strategy and plans of TOTAL. Such statements are based on a number of assumptions that could ultimately prove inaccurate, and are subject to a number of risk factors, including currency fluctuations, the price of petroleum products, the ability to realize cost reductions and operating efficiencies without unduly disrupting business operations, environmental regulatory considerations and general economic and business conditions. Neither TOTAL nor any of its subsidiaries assumes any obligation to update publicly any forward-looking statement, whether as a result of new information, future events or otherwise. Further information on factors which could affect the company's financial results is provided in documents filed by the Group with the French Autorité des Marchés Financiers and the U.S. Securities and Exchange Commission ("SEC").

Financial information by business segment is reported in accordance with the internal reporting system and shows internal segment information that is used to manage and measure the performance of TOTAL. Performance indicators excluding the adjustment items, such as adjusted operating income, adjusted net operating income, and adjusted net income are meant to facilitate the analysis of the financial performance and the comparison of income between periods.

Adjustment items include:

## (I) Special items

Due to their unusual nature or particular significance, certain transactions qualified as "special items" are excluded from the business segment figures. In general, special items relate to transactions that are significant, infrequent or unusual. However, in certain instances, transactions such as restructuring costs or asset disposals, which are not considered to be representative of the normal course of business, may be qualified as special items although they may have occurred within prior years or are likely to occur again within the coming years.

## (II) Inventory valuation effect

The adjusted results of the Downstream and Chemicals segments are presented according to the replacement cost method. This method is used to assess the segments' performance and facilitate the comparability of the segments' performance with those of its competitors.

In the replacement cost method, which approximates the LIFO (Last-In, First-Out) method, the variation of inventory values in the statement of income is, depending on the nature of the inventory, determined using either the month-end prices differential between one period and another or the average prices of the period rather than the historical value. The inventory valuation effect is the difference between the results according to the FIFO (First-In, First-Out) and the replacement cost.

## (III) Effect of changes in fair value

As from January 1, 2011, the effect of changes in fair value presented as an adjustment item reflects for some transactions differences between internal measures of performance used by TOTAL's management and the accounting for these transactions under IFRS.

IFRS requires that trading inventories be recorded at their fair value using period-end spot prices. In order to best reflect the management of economic exposure through derivative transactions, internal indicators used to measure performance include valuations of trading inventories based on forward prices.

Furthermore, TOTAL, in its trading activities, enters into storage contracts, which future effects are recorded at fair value in Group's internal economic performance. IFRS precludes recognition of this fair value effect.

## (IV) Until June 30, 2010, TOTAL's equity share of adjustment items reconciling "Business net income" to Net income attributable to equity holders of Sanofi

The adjusted results (adjusted operating income, adjusted net operating income, adjusted net income) are defined as replacement cost results, adjusted for special items, excluding the effect of changes in fair value as from January 1st, 2011 and excluding TOTAL's equity share of adjustment items related to Sanofi until June 30, 2010.

Dollar amounts presented herein represent euro amounts converted at the average euro-dollar exchange rate for the applicable period and are not the result of financial statements prepared in dollars.

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