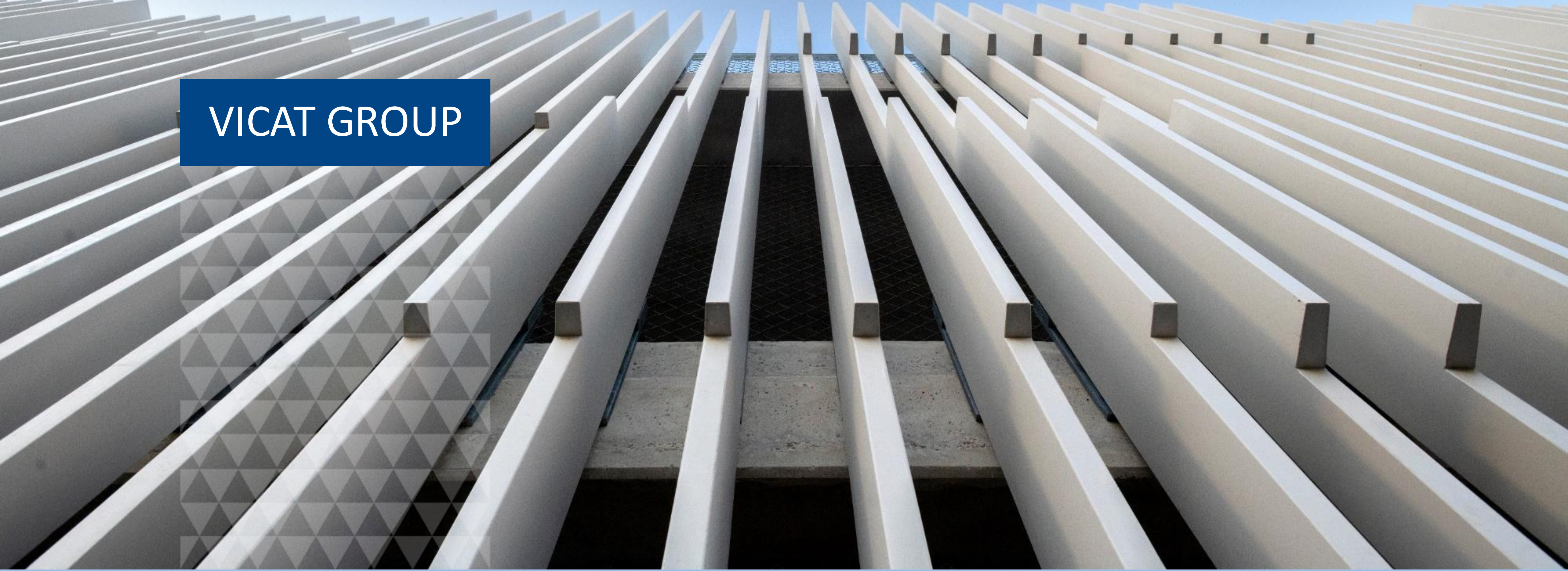

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World Materials Forum 2026 – Guy Sidos – September 4, 2026

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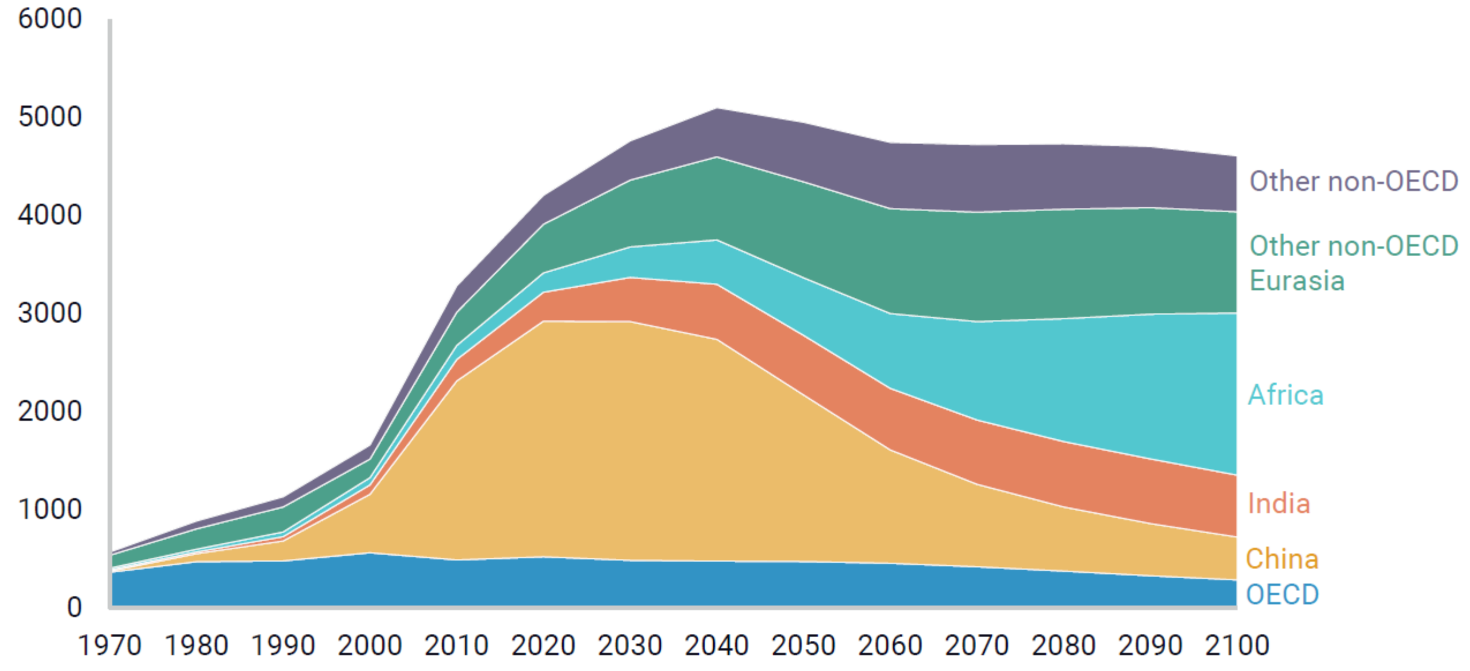
Cement and concrete around the world

FIGURE 4

Historic and projected global cement production

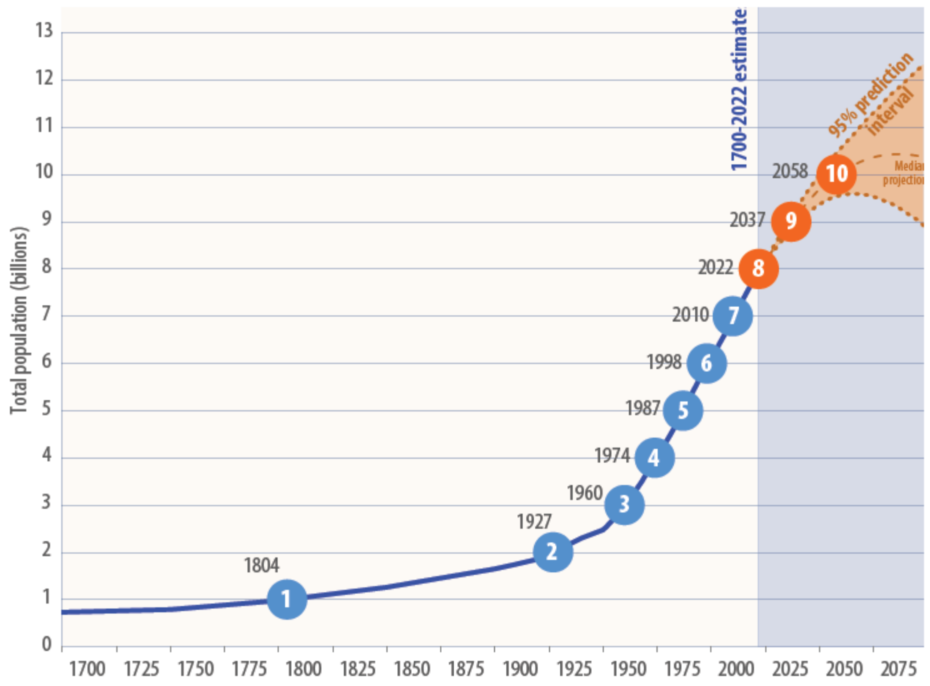
Million metric tons, historical and Rhodium Climate Outlook mean projection



Source: Rhodium Group, United States Geological Survey

Figure 1

Global population size: estimates for 1700-2022 and projections for 2022-2100

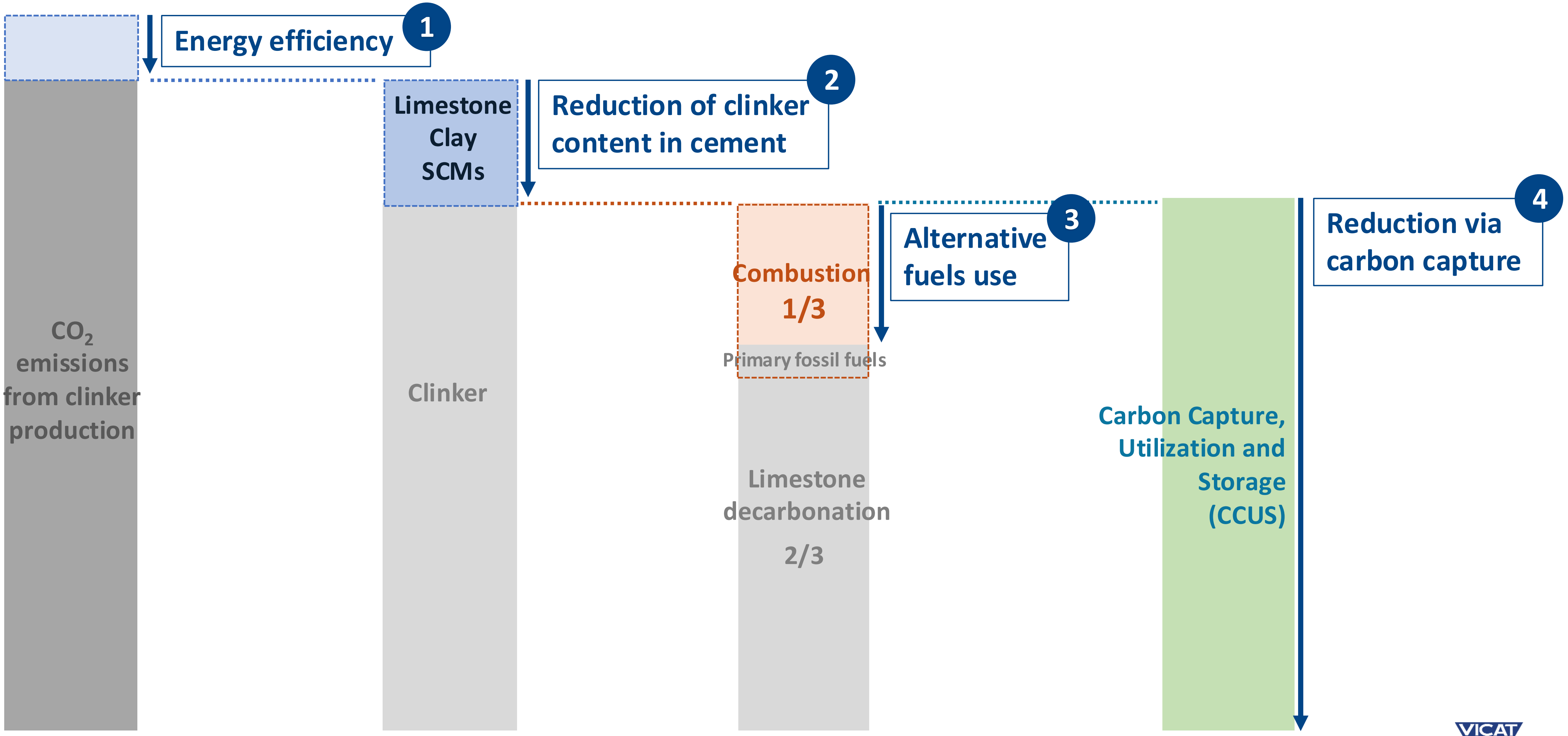


Source: United Nations, DESA, Population Division (2022). World Population Prospects 2022.

Note: The solid blue line is the estimates from 1700 to today, the dotted red line the projection for the future up to 2100, and the dashed red line the upper and lower bounds of the 95% prediction interval for the projections.

Cement consumption tracks population growth, with global demand projected to peak around 2040.
Africa is expected to become the next major driver of cement demand growth, following China's role during the first half of the 21st century.

4 Levers to reduce CO2 Emissions in cement



Action levers in highly regulated markets

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Replacing fossil fuels by alternative fuels and develop waste treatment as a new business

Example: Reuchenette

Example: Altola

Reducing the clinker factor by using locally available materials such as clay, limestone or pozzolans

Example: Xeuilley

Example : DECA Low-Carbon Concrete

Developing new low-carbon concrete solutions and making bolt-on acquisitions in Concrete.

Example: 3D Printing

Example: Geneva

Preparing the future and benefitting from concentrated production of CO_2 as an economic opportunity for new products

Example: Montalieu

Example : Pilote industriel CI4C en Allemagne avec 3 partenaires européens

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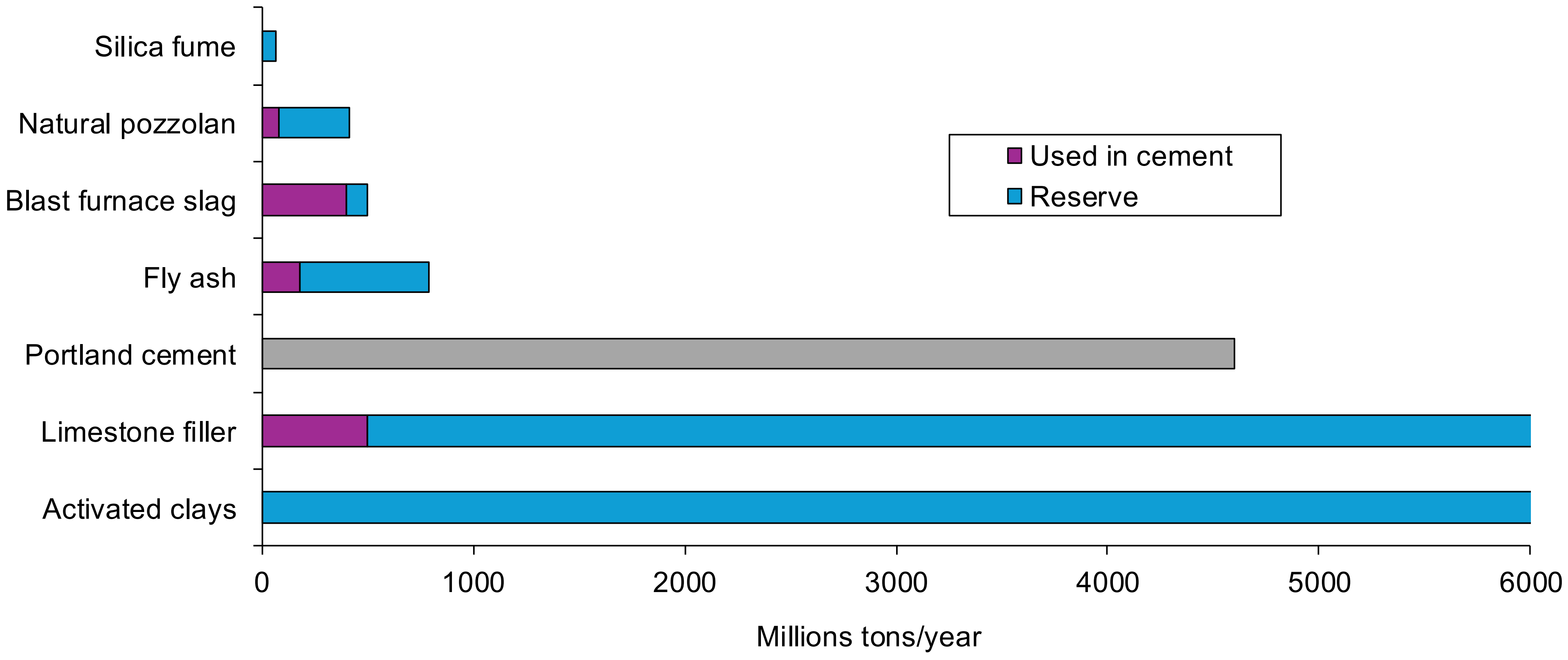
Availability of Supplementary Cementitious Materials (SCMs)



CCS: The Need for Long-Term Visibility and Financial Viability

Industrial investment cannot be sustainably triggered without clear visibility on end-market demand for decarbonized product.

Decarbonizing Production

CAPEX
CCS

VISIBILITY

Creating the Market

OFFTAKE
PUBLIC

Without a credible market outlet, the premium commanded by low-carbon products does not fund the required investment.

Public procurement

The public sector can secure initial demand volumes and help establish a benchmark market..

Robust Carbon Criteria

The thresholds must differentiate truly decarbonized products and provide support for capital-intensive investments.

CCS: Maintaining a Stable, Predictable and Consistent Carbon Framework

01 Long-Term Stability

Provide investors, issuers, and market infrastructures with visibility throughout the entire lifecycle of assets.

02 Maintaining the CO_2 Price Trajectory

Preserve a credible price trajectory to support final investment decisions and enhance the bankability of projects.

03 Captured Biogenic Negative Emissions

Recognize and reward captured biogenic emissions, benefiting both issuers and market infrastructures.

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