Integrated, global aluminium company

With robust positions across the value chain











- Global provider of alumina, aluminium and aluminium products
- Leading businesses along the value chain; raw materials, energy, primary metal production, aluminium products and recycling
- 13 000 employees involved in activities in more than 50 countries
- Market capitalization ~R\$ 20 bi (~NOK 60 bn, March 2014)
 - Annual revenues ~NOK 65 billion
 - Included in Dow Jones Sustainability
 Indexes
 and FTSE4Good



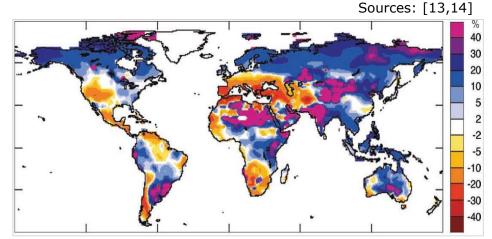
Implications of Climate Change – Coastal Areas & Regions Likely to Become Wetter

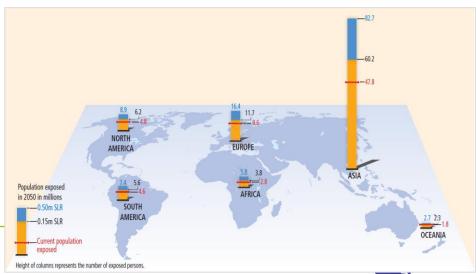
Potential for:

- Coastal flood damage;
- Changes in water balance;
- Changes in timing or flow of receiving bodies.

Impacts on:

- Capacity to handle heavy rainfall & flooding;
- Stability of open pit highwalls, tailing storage ponds, embankments;
- Long-term water quality.

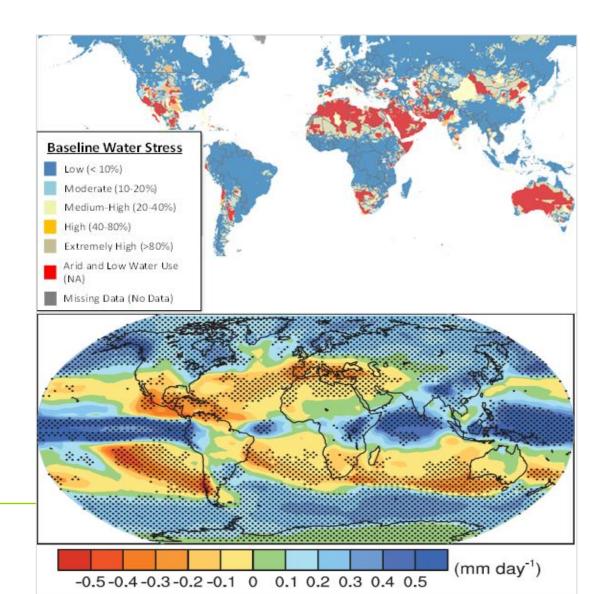




Implications of Climate Change – Arid or Water-Stressed Environments

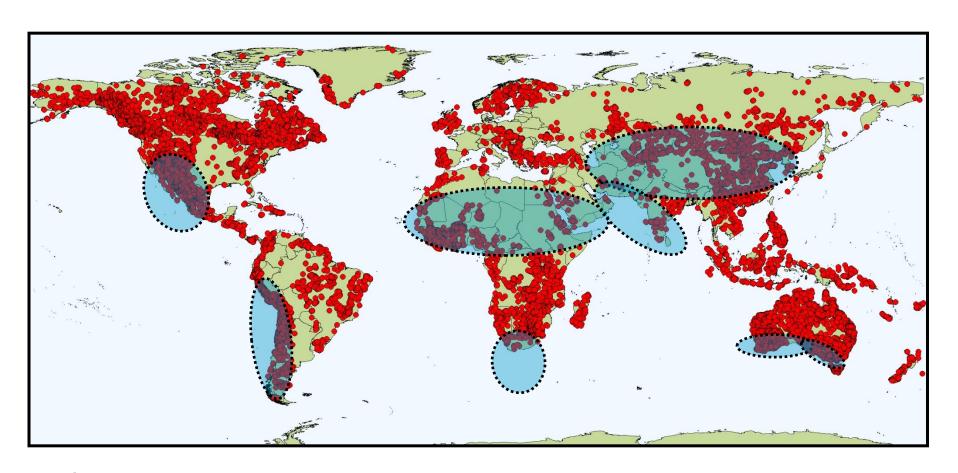
Risk of:

- Insufficient water supply for operations
- Reduced availability and reliability of electricity
- •Challenges in post-closure rehabilitation and water quality management



Sources: [11,12] (3) 2010-04-28

Distribution of mining projects globally

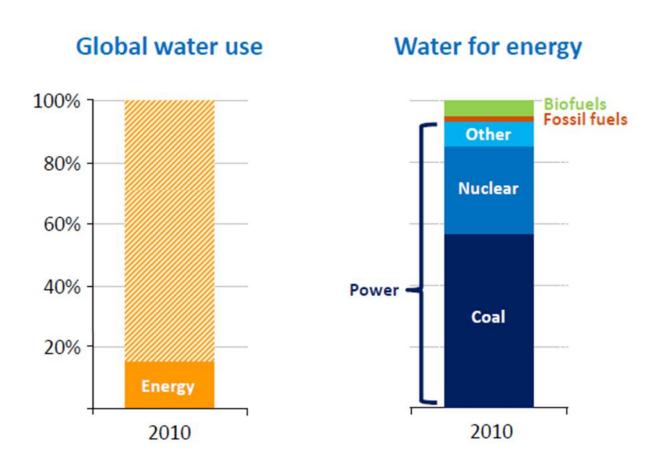


- Areas of high/extreme water risk
 - Location of mining projects

Source: Intierra Resources Intelligence (October 2011)

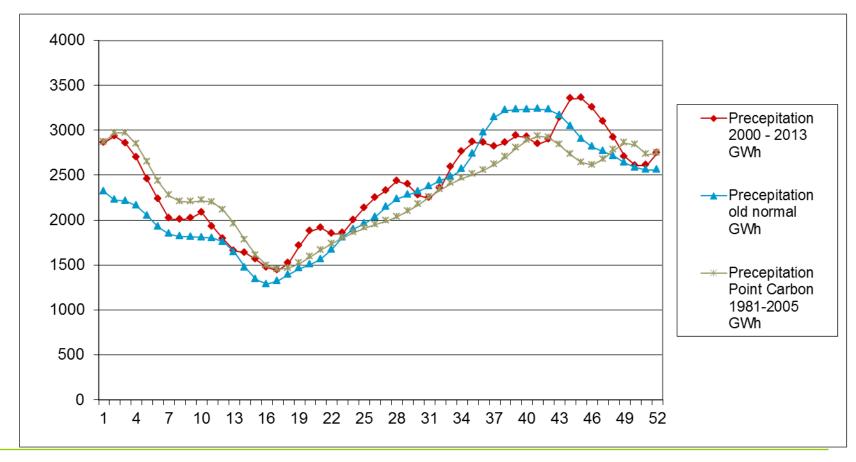
HYDRO

Energy is becoming thirstier in the face of growing water constraints



The energy sector's water needs are set to grow, making water an increasingly important criterion for assessing the viability of energy projects

Changes in precipitation affects production



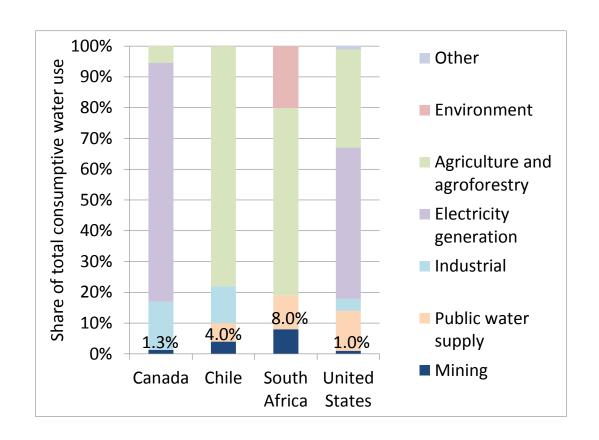


Also changes in inflow





A Changing Climate in Context – Water affects power production



Consumptive water use [2,3,4,5]

Also changes in inflow....

