



Knowledge grows

Yara, Water and the Mandate Why and How

Hans Goossens, DWS New Business Director
Yara International

Yara International - key figures 2013

Revenues and other
income (2013)

**USD 14.5
Billion**

Number of employees
> 10 000

Operations in more than
50 countries

Sales to about
150 countries

23.7 million tons
Crop nutrients

3,2 million tons
Industrial products

1.9 million tons
Environmental
solutions

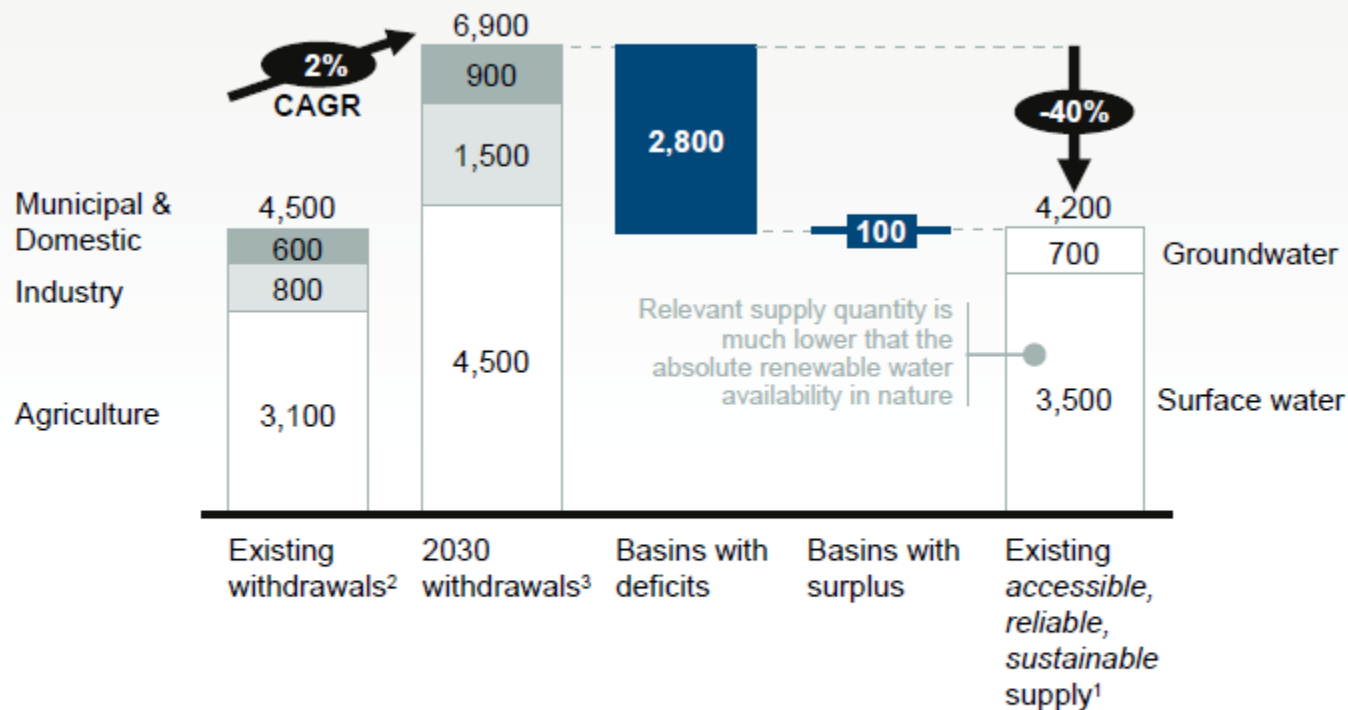
Water Scarcity - a reality



The Aral Sea in 2000 on the left and 2014 on the right. Photograph: Atlas Photo Archive/NASA

Water Availability – a 40% gap by 2030

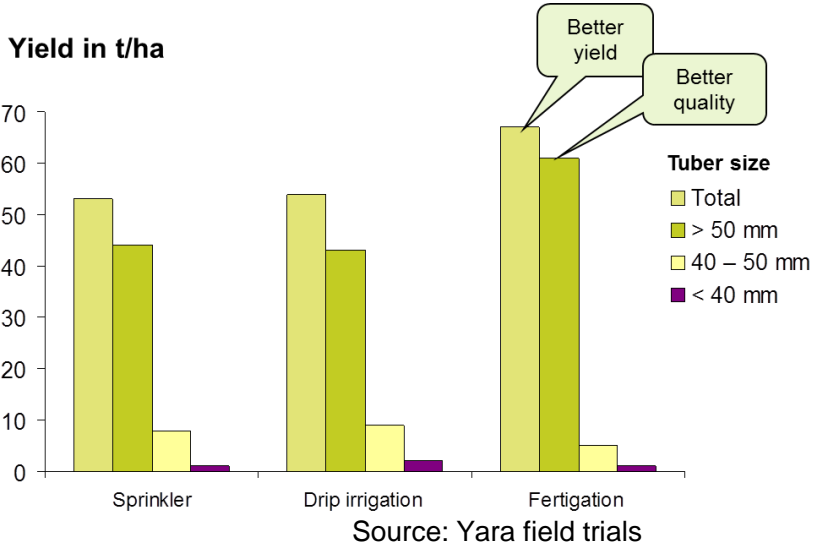
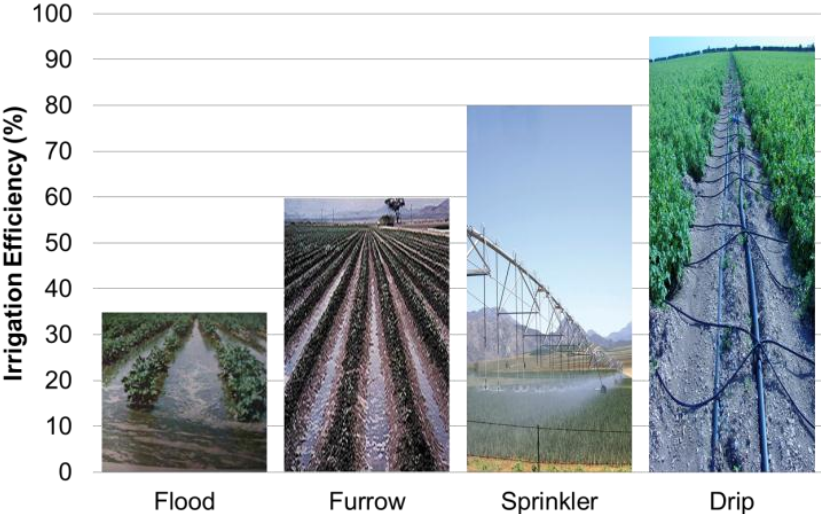
Billion m³, 154 basins/regions



- 1 Existing supply which can be provided at 90% reliability, based on historical hydrology and infrastructure investments scheduled through 2010; net of environmental requirements
- 2 Based on 2010 agricultural production analyses from IFPRI
- 3 Based on GDP, population projections and agricultural production projections from IFPRI; considers no water productivity gains between 2005-2030

SOURCE: Water 2030 Global Water Supply and Demand model; agricultural production based on IFPRI IMPACT-WATER base case

Fertigation - part of the solution



Irrigation efficiency can increase by moving into sprinkler and drip technology

Fertigation further improves Water Use Efficiency and Nutrient Use Efficiency

New technologies - use water more efficient



Yara and The CEO Water Mandate



The CEO Water Mandate

