



Challenges to improve nutrient use efficiency for optimum food supply while reducing environmental pollution.

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The European Nitrogen Assessment

Sources, Effects and Policy Perspectives

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CAMBRIDGE

COMMENT

Vervuiling met stikstof kost miljarden

Nitrogen taint alert

Warning over nitrogen footprint

Pollution à l'azote : une lourde facture pour l'Europe

Too much of a good thing
Curbing nitrogen emissions is a central environmental challenge for the twenty-first century, argue Mark Sutton and his colleagues.

Nature 14 April 2011

Union defends use of nitrogen in high-octane climate change debate

www.nine-esf.org/ENA

The five key threats of excess Nitrogen

The WAGES of
too much nitrogen

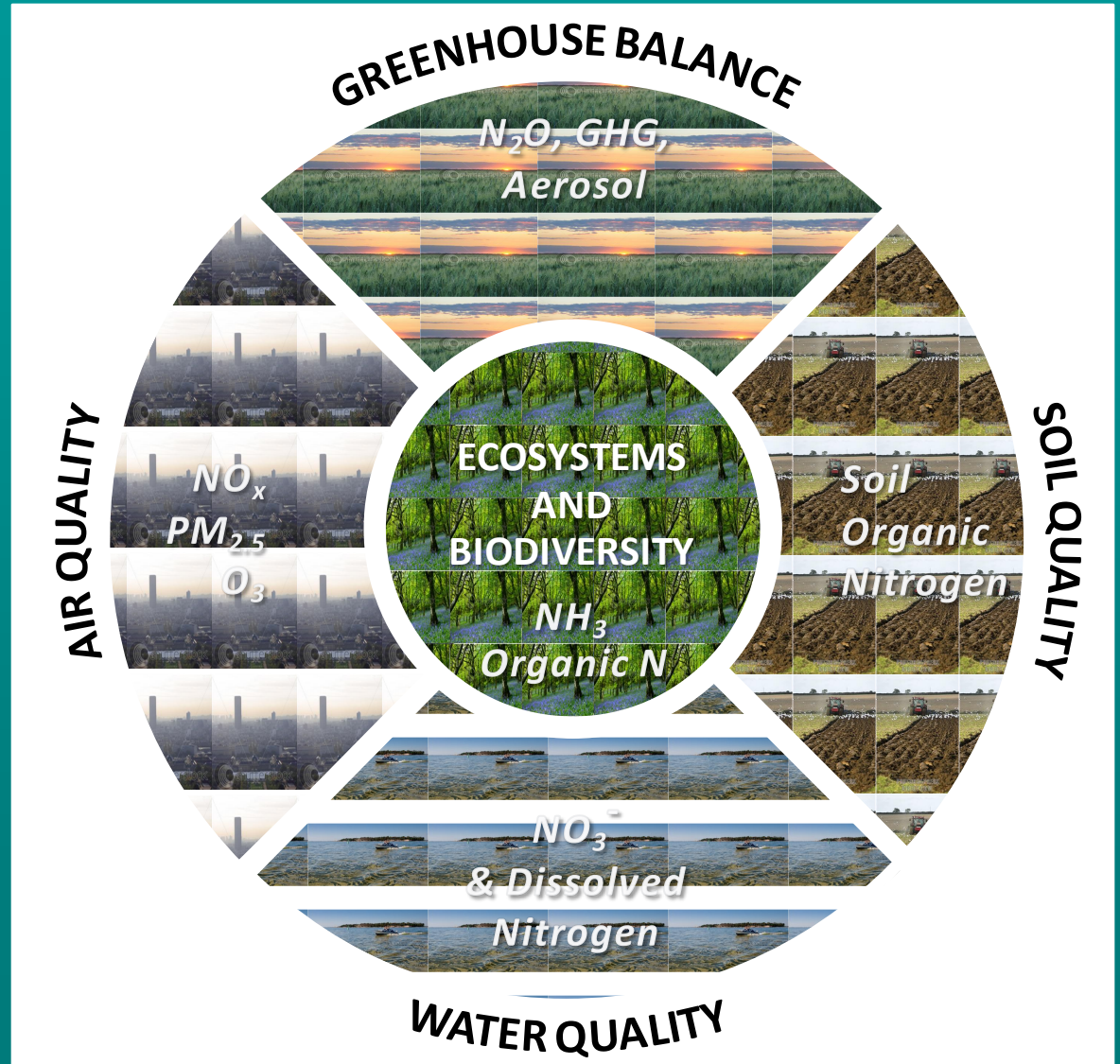
Water quality

Air quality

Greenhouse balance

Ecosystems

Soil quality



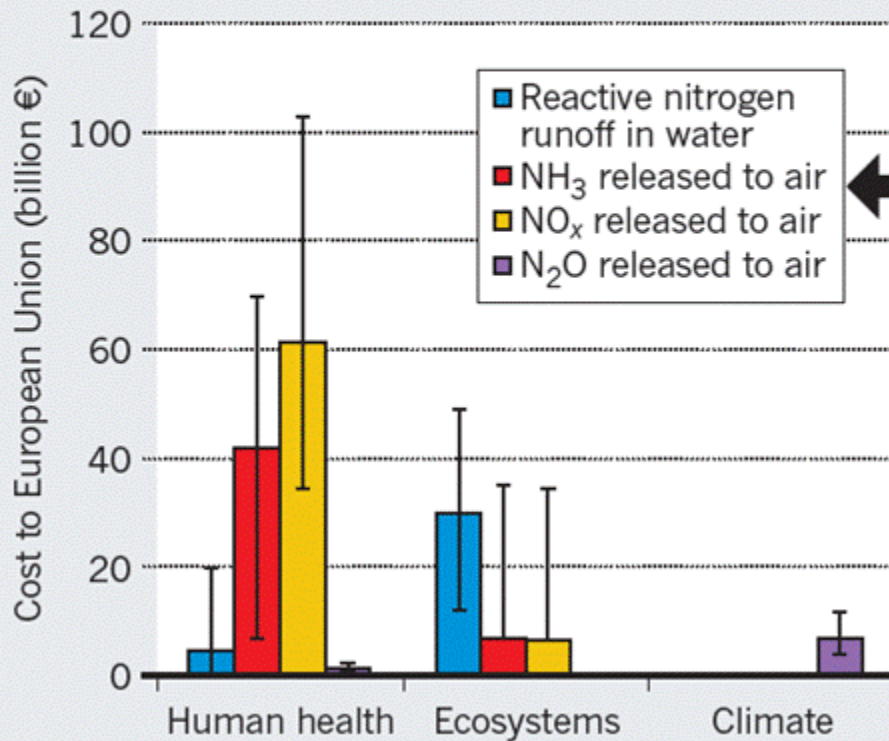




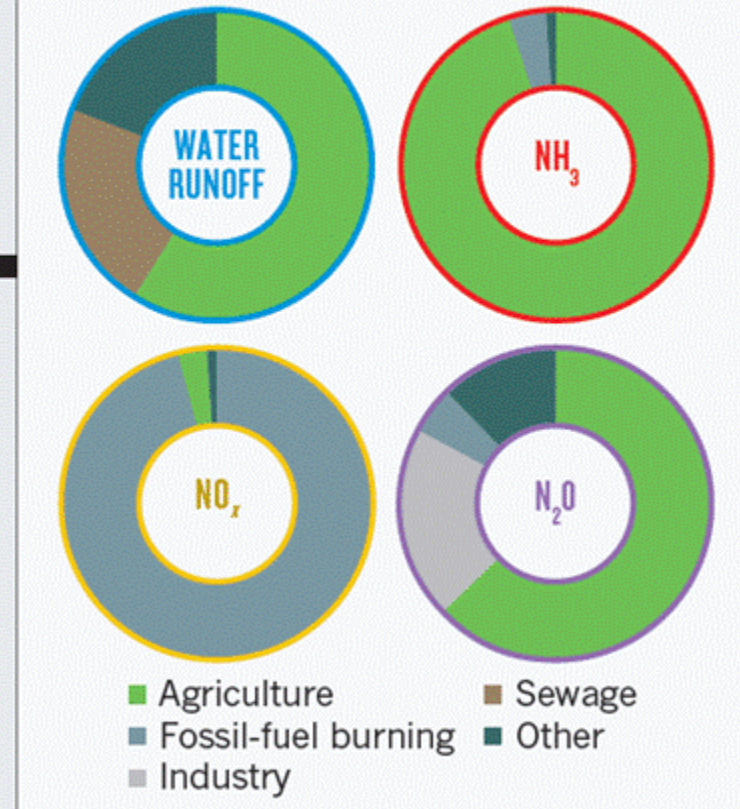
Nitrogen Damage Costs & Sources

DAMAGE COSTS OF NITROGEN POLLUTION

Agriculture and fossil-fuel burning load the environment with reactive nitrogen, affecting water, soils and air.



MAIN NITROGEN SOURCES



EU Damage cost: 70 - 320 billion € / year

Our Nutrient World

The challenge to produce more food & energy
with less pollution



*Nitrogen & phosphorus feed the world,
but damage our environment
– we must learn to manage them better.*

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Full Chain NutUE

