

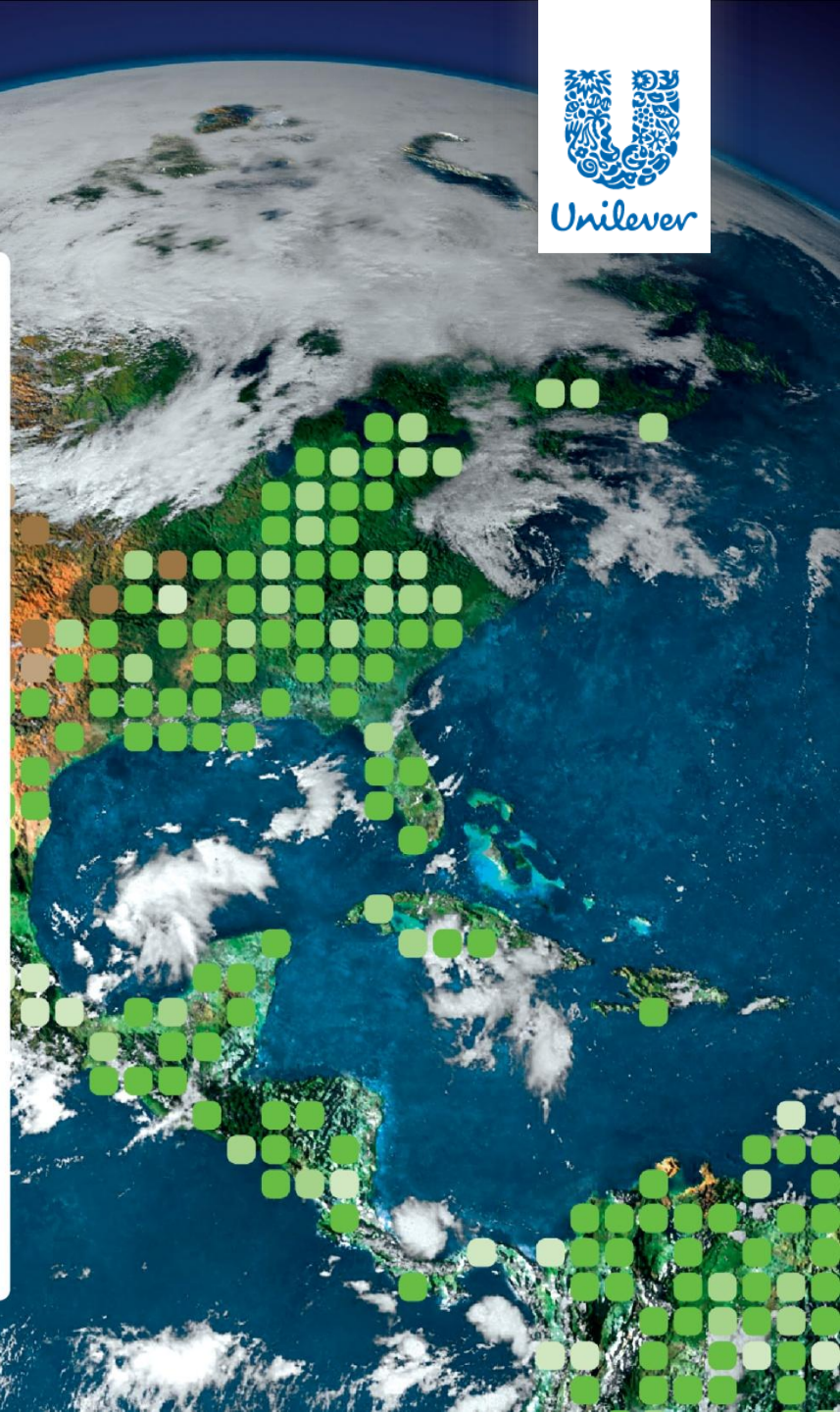


Unilever

Unilever Sustainable Living Plan & Natural Refrigerants

Thomas Lingard
Global Advocacy Director

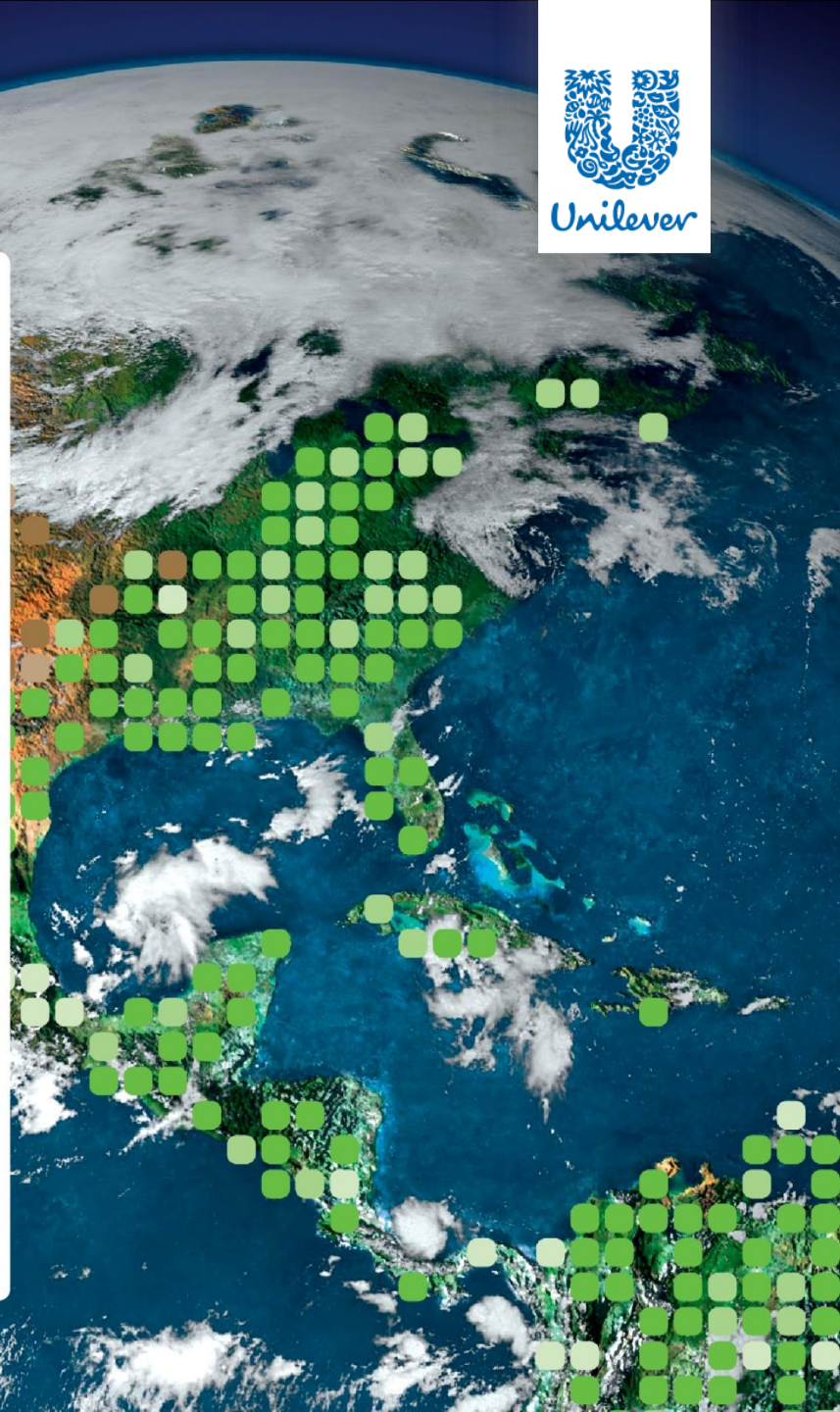
ATMOsphere Europe
Brussels, 12 October 2011



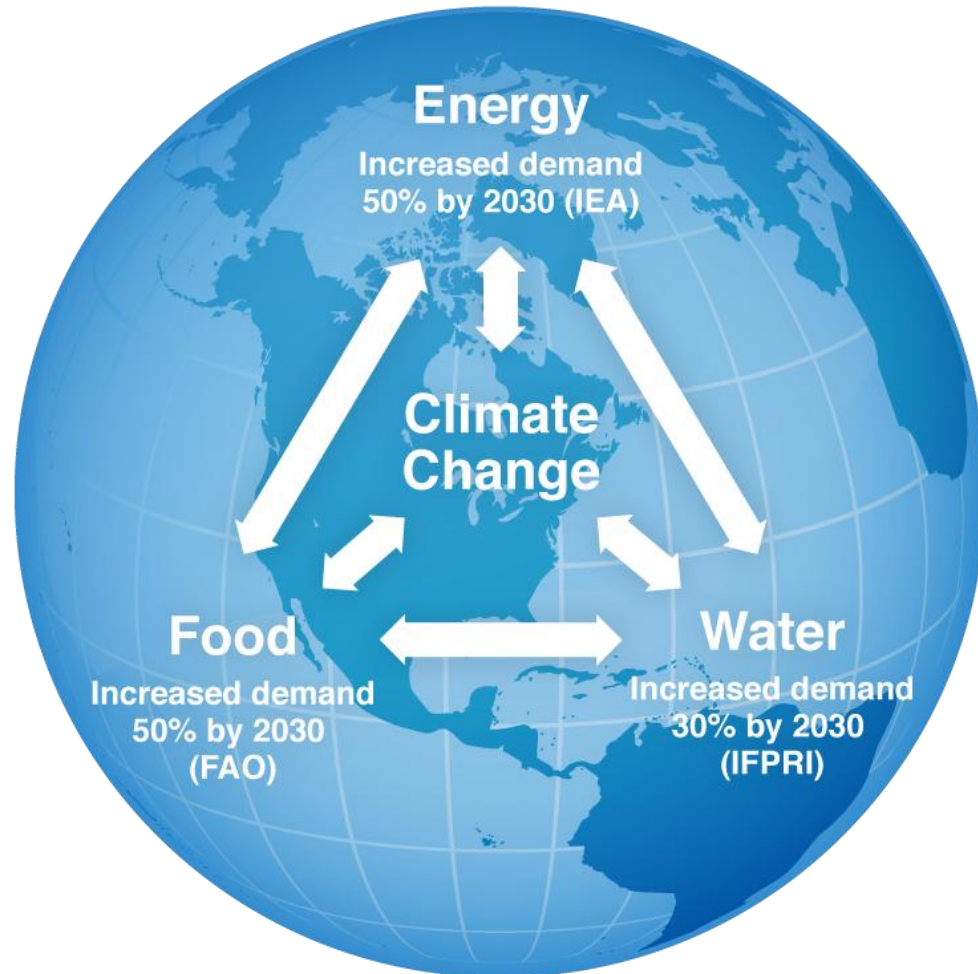
Unilever is a global company



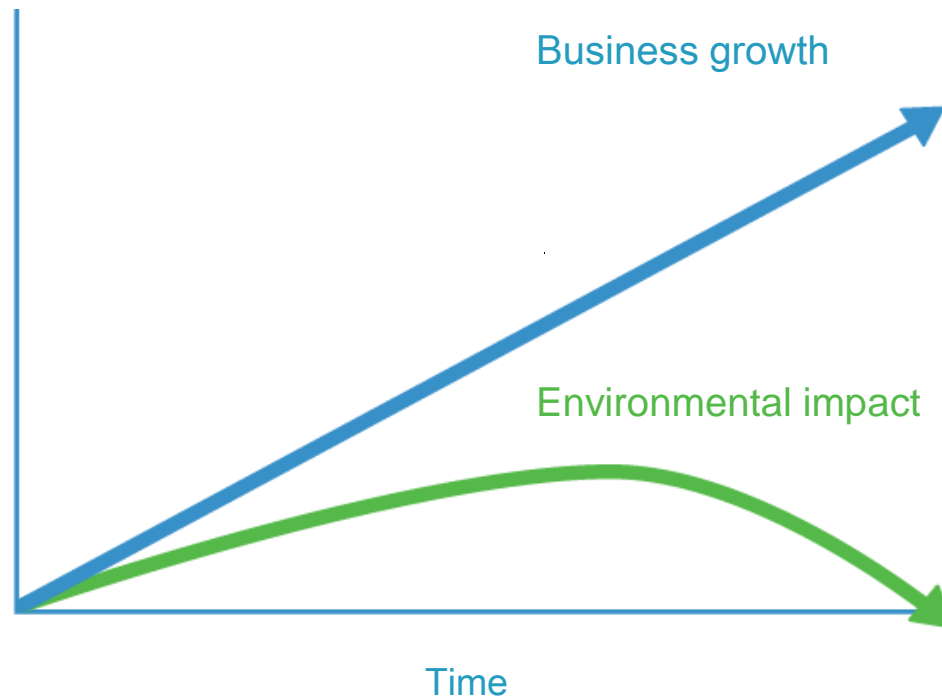
- 163,000 employees
- Operations in 100 countries
- Sales in over 170 countries
- Half our sales in D&E countries
- >90 large industrial refrigeration plants (ice cream, margarine, frozen foods, snacks)
- >2 Million freezer cabinets for ice cream sales



Facing a future of increased demand and resource scarcity



Decouple business growth from environmental impact





Unilever Sustainable Living Plan

Three key features



ALL BRANDS
ALL
COUNTRIES



Three key features



**ALL BRANDS
ALL
COUNTRIES**

**LIFECYCLE
IMPACTS**



Three key features

**ALL BRANDS
ALL
COUNTRIES**

**LIFECYCLE
IMPACTS**

SOCIAL

ECONOMIC

ENVIRONMENTAL

Three big goals by 2020



HELP
1 BILLION
PEOPLE IMPROVE
THEIR HEALTH
& WELLBEING

HALVE
ENVIRONMENTAL
FOOTPRINT OF
OUR PRODUCTS

SOURCE
100%
OF AGRICULTURAL
RAW MATERIALS
SUSTAINABLY

Summary of our sustainable living plan targets



Improving Health & Well-being

Reducing Environmental Impact

Enhancing Livelihoods

HEALTH & HYGIENE

NUTRITION

GREENHOUSE GASES

WATER

WASTE

SUSTAINABLE SOURCING

BETTER LIVELIHOODS

Reduce diarrhoeal disease

Improve heart health

Reduce GHG from skin cleansing & hair washing

Reduce water use in agriculture

Reduce packaging

Sustainable palm oil

Help smallholder farmers

Improve oral health

Reduce salt

Reduce GHG from washing clothes

Reduce water use in laundry process

Reuse packaging

Sustainable paper & board

Support micro-entrepreneurs

Improve self-esteem

Reduce saturated fat

Reduce GHG from manufacturing

Reduce water use in skin cleansing & hair washing

Recycle packaging

Sustainable soy

Provide safe drinking water

Remove trans fat

Reduce GHG from transport

Reduce water use in manufacturing

Reduce waste from manufacturing

Sustainable tea

Reduce sugar

Reduce GHG from refrigeration

Tackle sachet waste

Sustainable fruit & vegetables

Reduce calories

Eliminate PVC

Sustainable cocoa

Provide healthy eating information

Sustainable sugar, sunflower oil, rapeseed oil & dairy



Natural Refrigerants

Industrial refrigeration: ammonia



- **>90 large industrial refrigeration plants**
- **Ammonia is THE sustainable refrigerant for industrial refrigeration**
- **Adequate safety management is crucial**
- **Robust mandatory internal safety standard**
- **Reference to accepted international refrigeration standards**
- **Refrigeration counts for >50 % of total electricity use in some factories – efficiency is critical too**

Ice cream cabinets : our journey

- **2003** First large scale trial of HC cabinets in Denmark (800)
- **2008** Ben and Jerry's test 50 HC cabinets in Washington DC and Boston **
- **2011** 800k+ cabinets that use HC worldwide



**n.b. Barrier to US rollout due to EPA now under review



New Unilever freezer cabinets



- Uses a natural refrigerant (HC)
- State of the art compressors
- High efficiency fans
- LED's





**Refrigerants,
Naturally!**



Thank you

Thomas Lingard
Global Advocacy Director

www.sustainable-living.unilever.com