

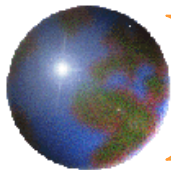
Folkehelse I et Globalt Perspektiv

A large, detailed image of the Earth as seen from space, showing blue oceans, white clouds, and brown landmasses. The Earth is centered in the frame against a black background of stars.

Werner Christie

MD, Associate Professor

Hedmark University College

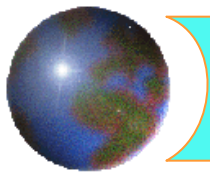


4 Hovedtema



- ✚ **Globalt Perspektiv:**
Verdens situasjon I dag
- ✚ **Folkehelse:** Uløste rettferdsutfordringer
- ✚ **Hvordan kan vi bidra:**
Hvordan skape forståelse og vennskap?
- ✚ **Hva er til beste for alle?**

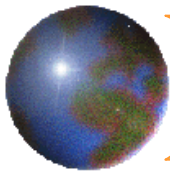




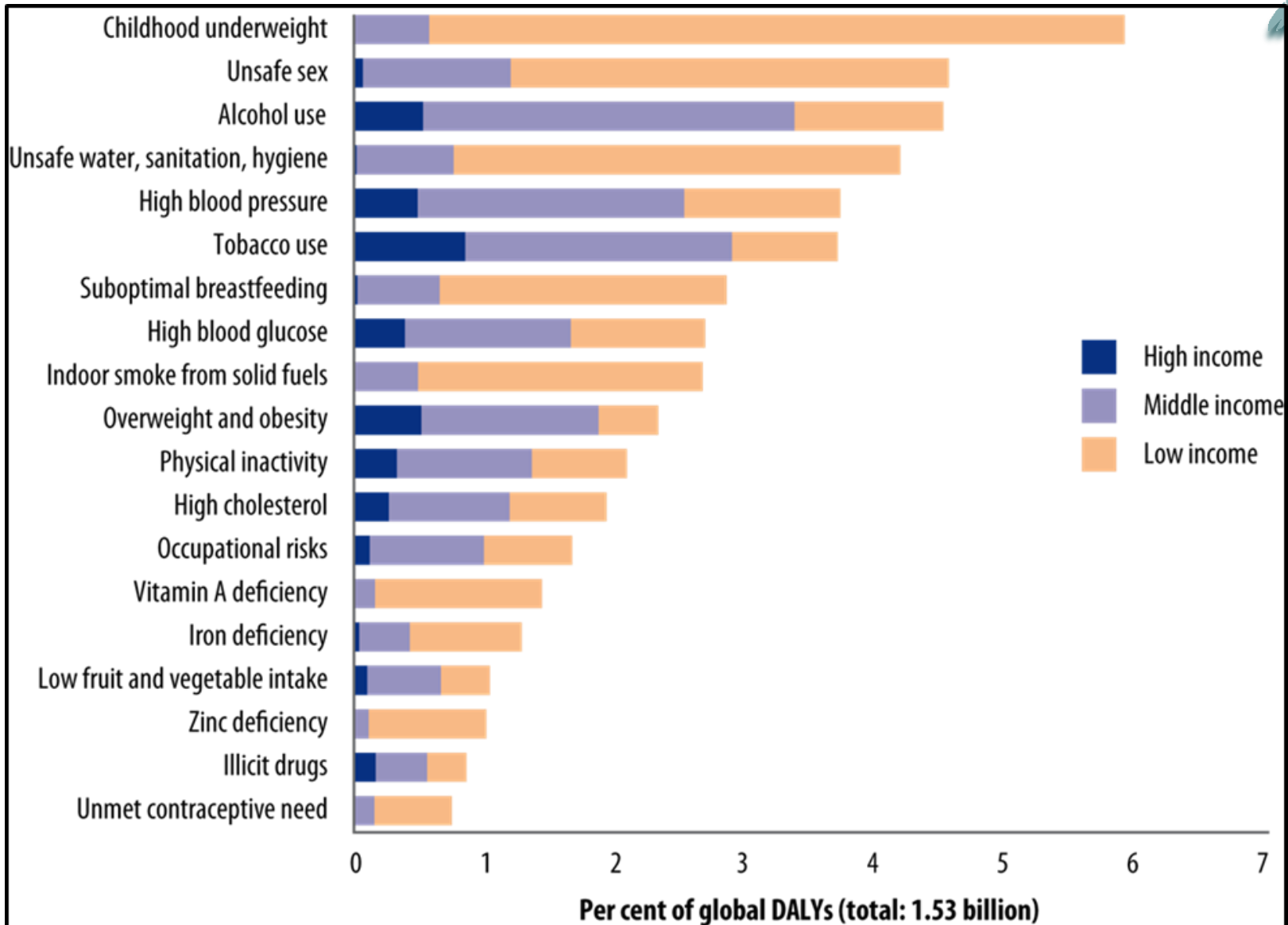
Sannheten om samtiden vår



- ⊕ Dramatiske 100-år: 2 Verdenskriger, kolonikriger, stammekriger og terror
- ⊕ Gryende humanisme: Rotary, Røde Kors, Florence Nightingale, FN, Human Rights
- ⊕ Eksplosiv demografisk, teknisk og sosial utvikling
- ⊕ Mer velstand og vekst, bedre helse
- ⊕ Mindre fattigdom, mer likestilling, mer globalt ansvar



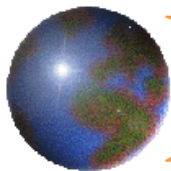
WHO's "Global Burden of Disease"



Health Care's Major Challenges

- 2 billion new (mostly poor!) people in 1 generation
- Non Communicable Diseases :
 - Cancer
 - Cardio-Vascular Disease
 - Metabolic Syndrome
 - Depression, Psycho-Social Syndromes
- Infectious diseases,
- Maternal & Child Health Care
- Behavioral and Environmental disease, Healthy Aging
- EQUITY: Available, accessible and affordable care for All
- Effective and cost-effective strategies



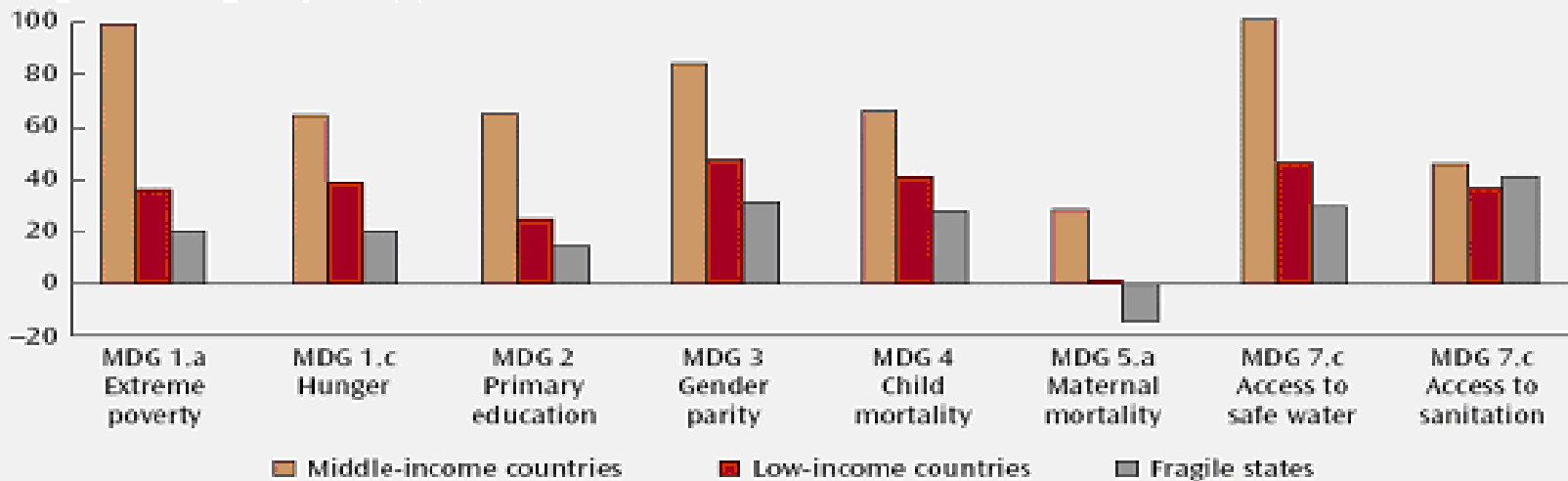


Det går fremover, men lite for noen

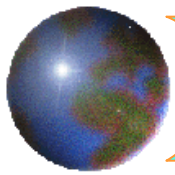


FIGURE 2 Fragile states have made the least progress toward the MDGs

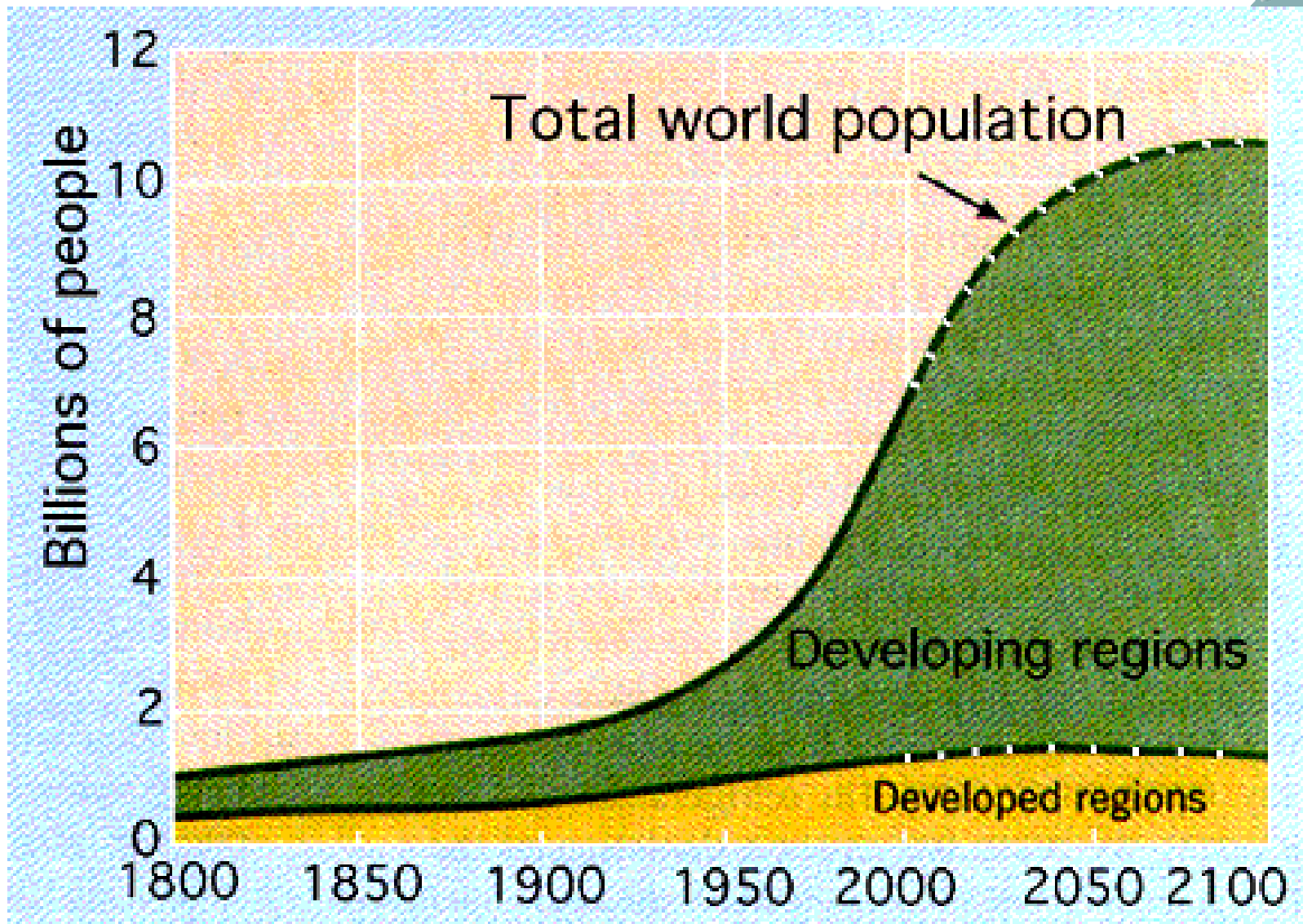
Progress toward goal by 2007 (%)

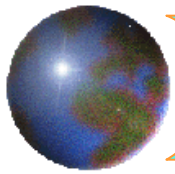


Source: Staff calculations based on World Development Indicators database.



2 mrd nye mennesker mot 2050?





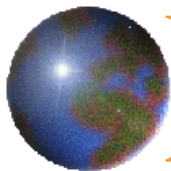
Hvordan ser det ut fremover?



- ✚ Befolkningseksplasjon
- ✚ Særlig I fattige land
- ✚ Klimautfordringer
- ✚ Matvareutfordringer
- ✚ Vanressurskonflikter
- ✚ Vekstutfordringer
- ✚ Økende forskjeller
- ✚ **BÆREKRAFTIGE, RETT-
FERDIGE LØSNINGER**

21st Century Solutions

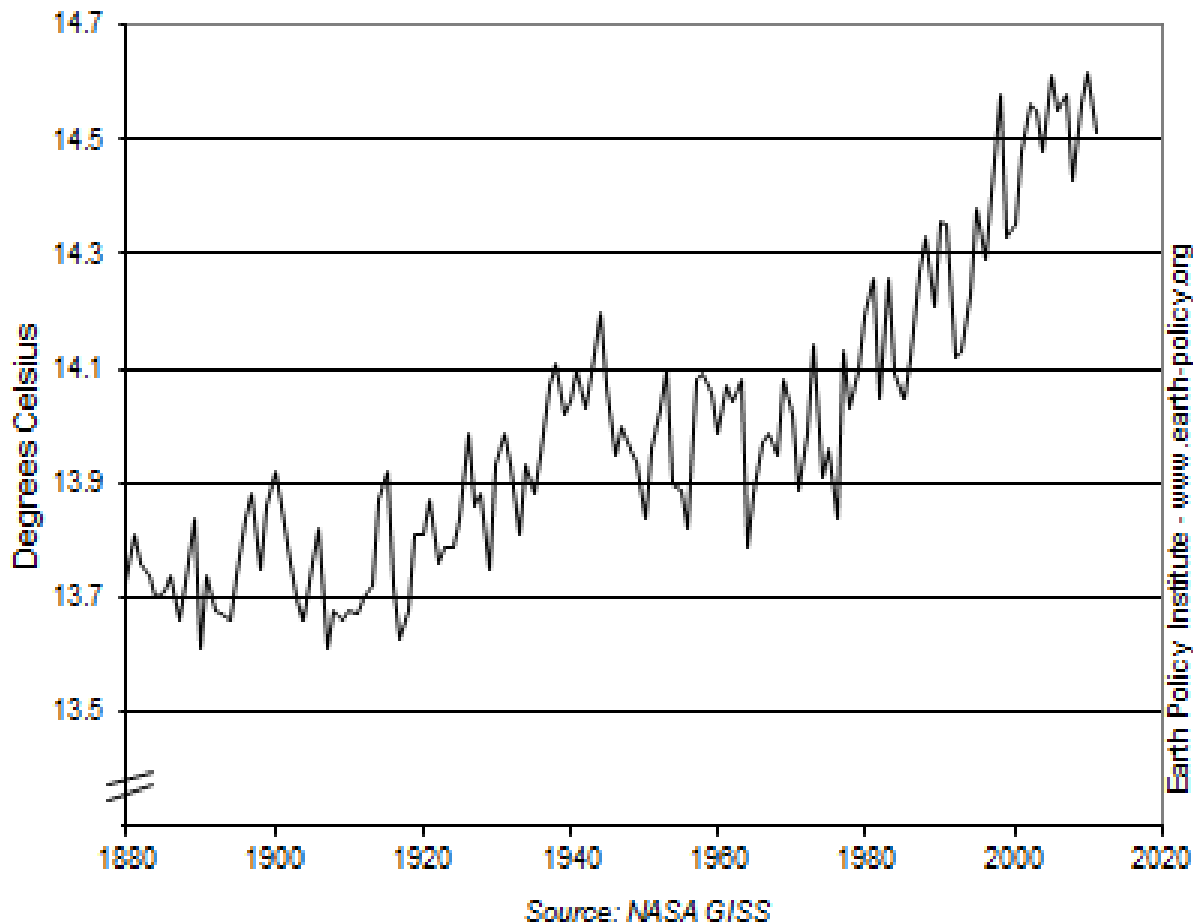




Klima: Kolapps eller kontroll



Figure 8-1. Average Global Temperature, 1880-2011

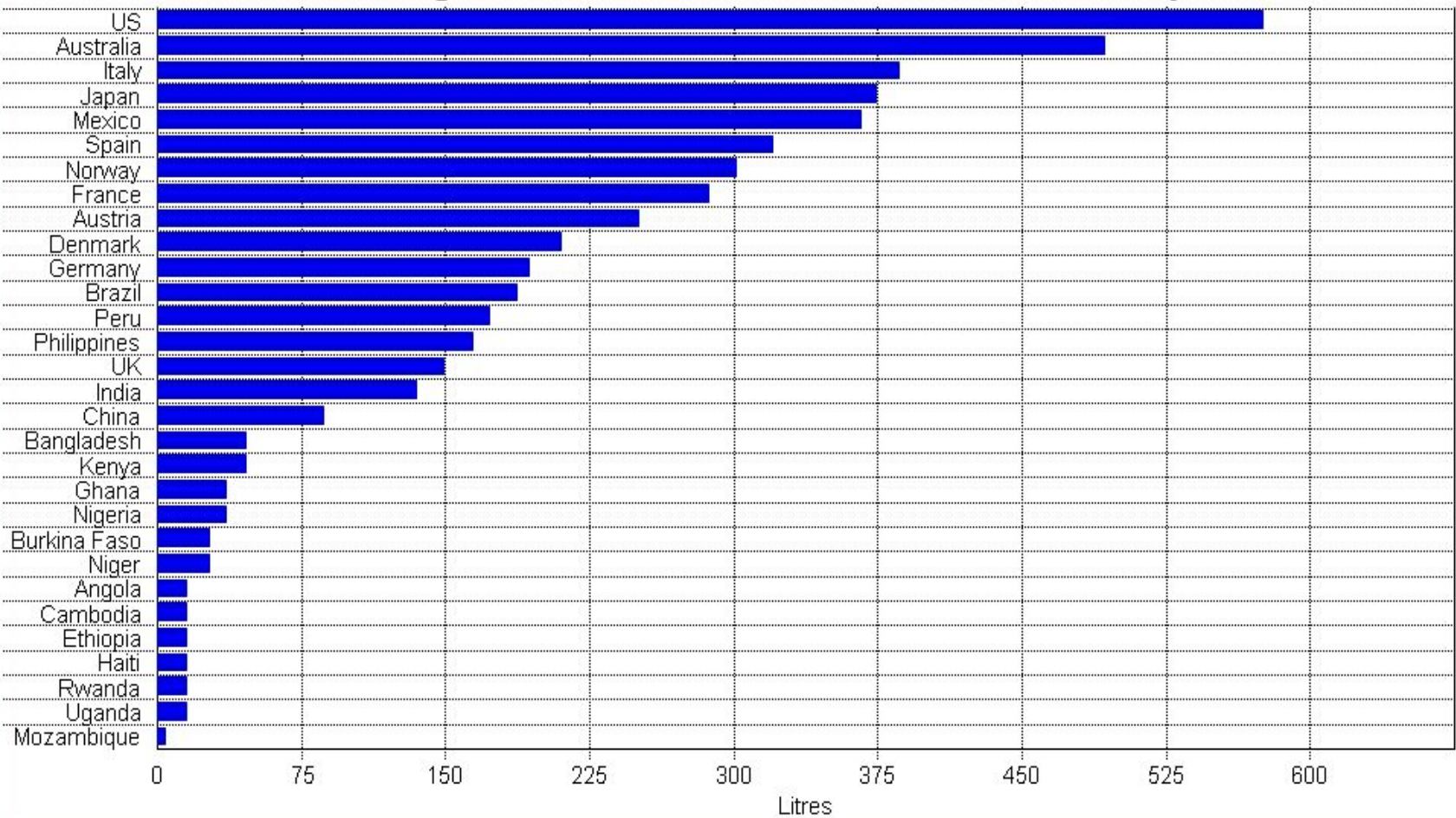


tion by 2039: It has already started as we see



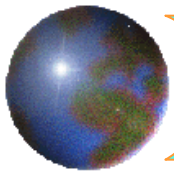
Vannressurssforbruk

Average Water Use Per Person Per Day

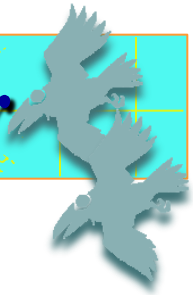


United Nations Development Program - Human Development Report 2006

www.data360.org

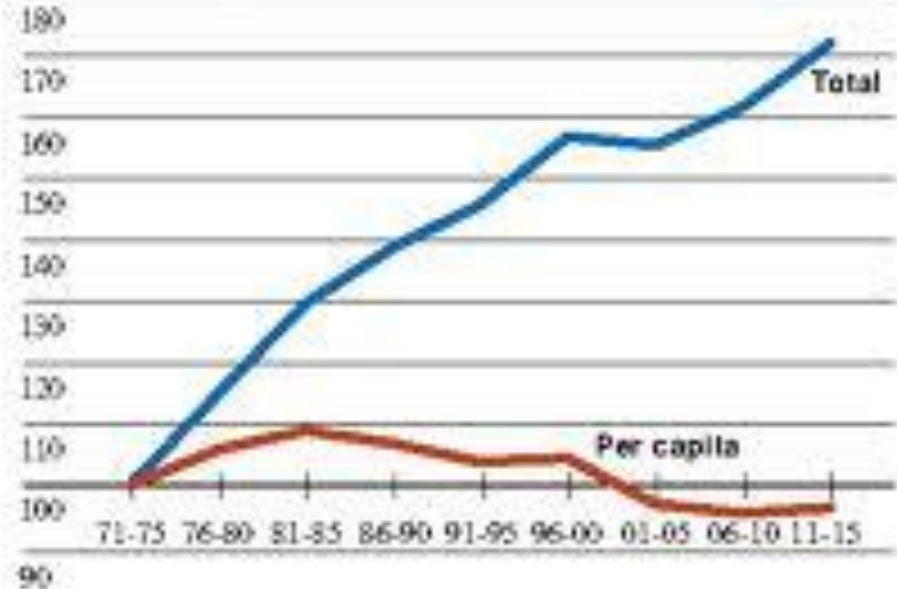


Verdens matavareutfordringer



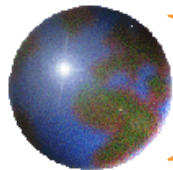
Global Grain Production: 1971-2015

Index: 1971-75 = 100



Source: International Food Policy Research Institute, October 1999, US Bureau of the Census, and CIA.

CI Design Center 2017/11/09-09



Urettferdighet råder!

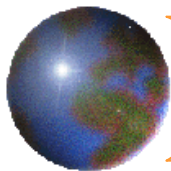


Every 3.6 seconds a person

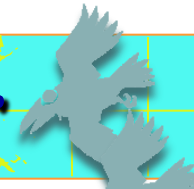
dies of hunger

75%
of them are children

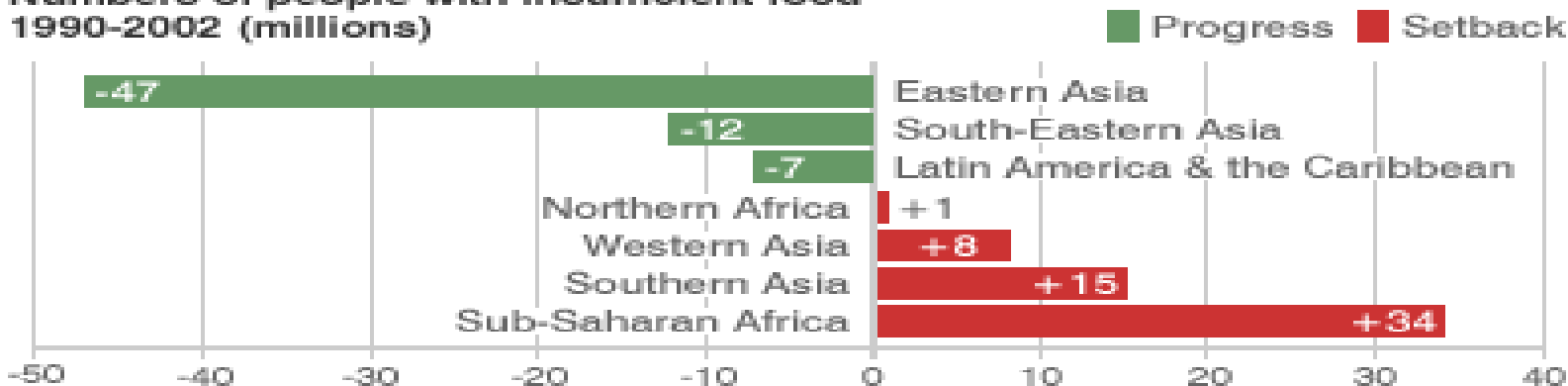




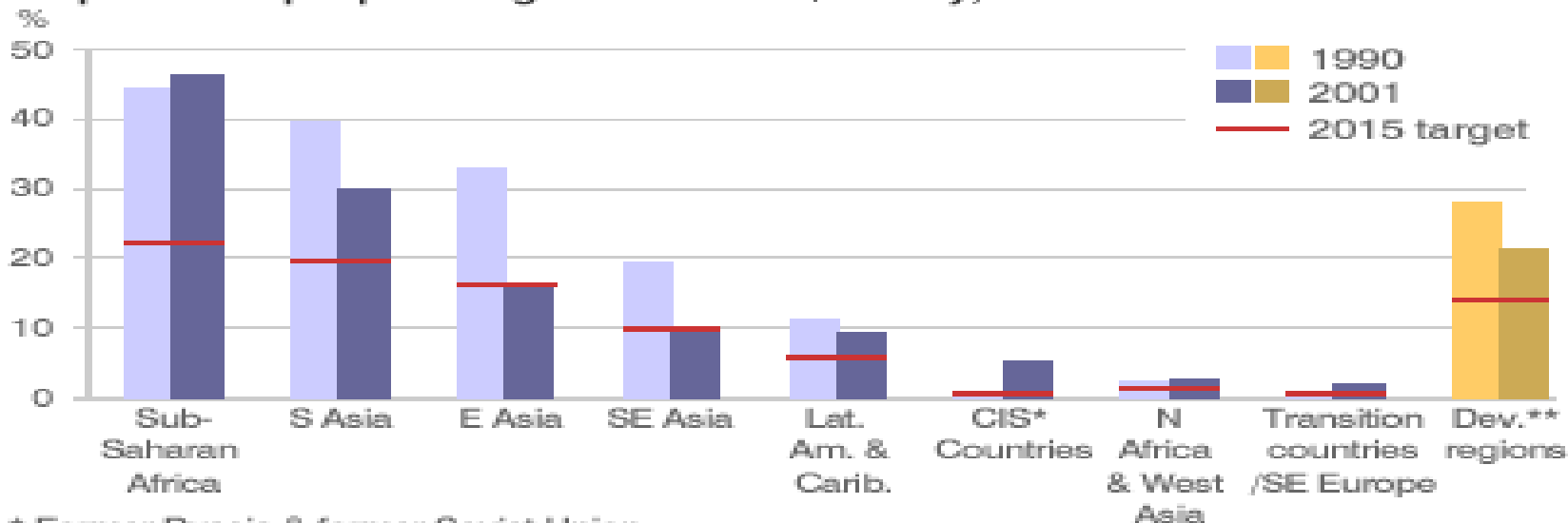
Fattigdom synker, men fortsetter



Numbers of people with insufficient food 1990-2002 (millions)



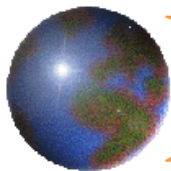
Proportion of people living on less than \$1 a day, 1990 and 2001



* Former Russia & former Soviet Union

** Developing regions: N Africa, Sub-Saharan Africa, SE Asia, Oceania, E Asia, S Asia, W Asia, Latin America and Caribbean

SOURCE: UN



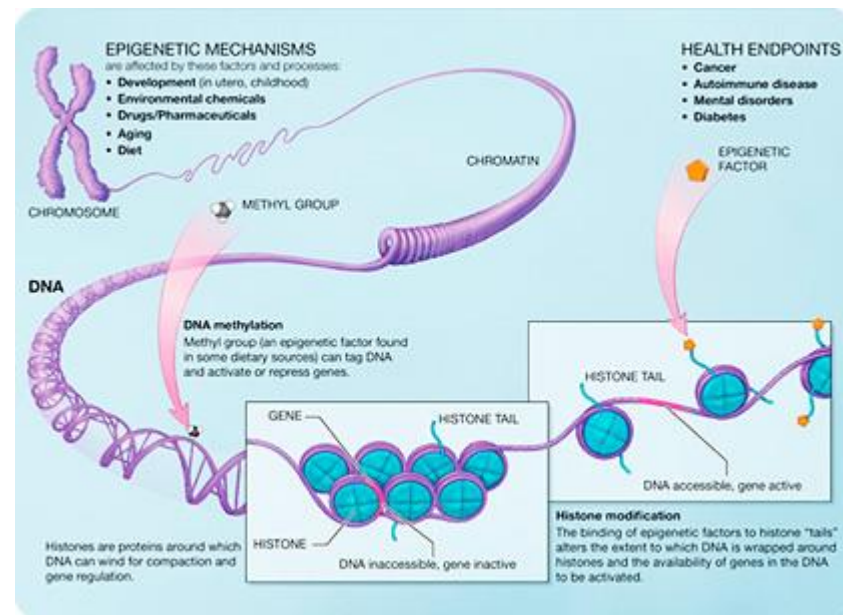
Vitenskapelige vendinger 2012

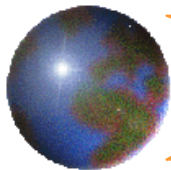


The music of Life:

☉ Genene er instrumenter, men dirigerer symfonien?

- "Skrot" – DNA
- Mikrobene våre
- Maten vår
- Miljøet vårt
- Kulturen vår



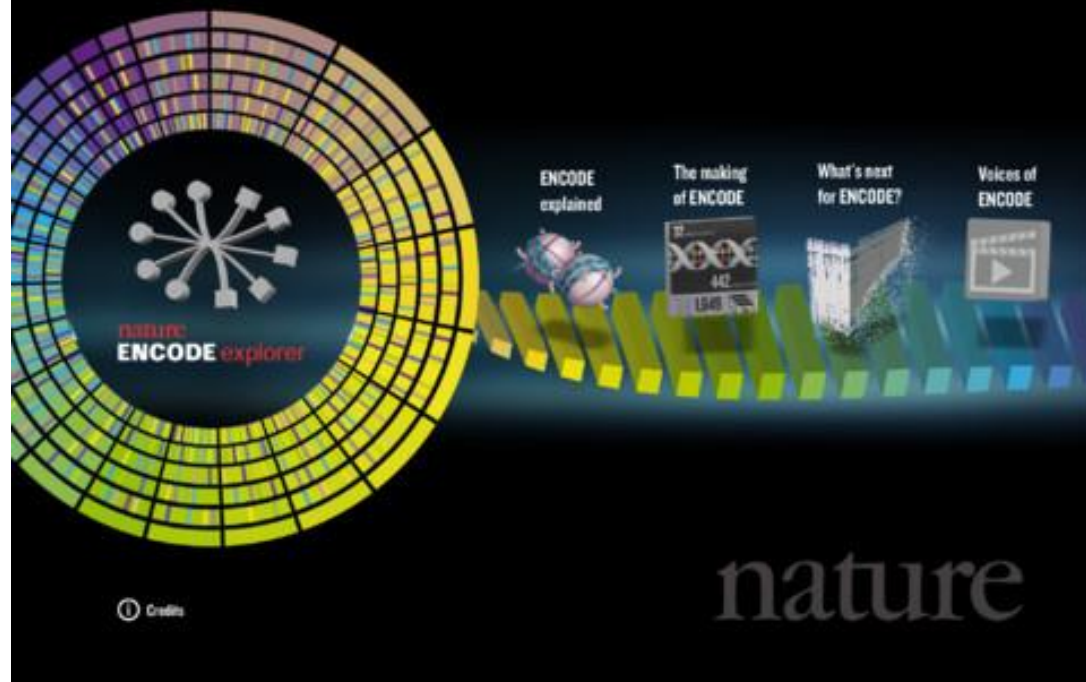


Ny Vitenskapelig kunnskap 2012



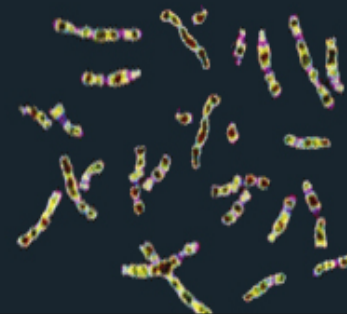
EnCode

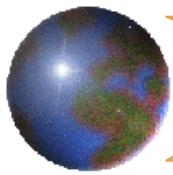
produced with support from
illumina



1000 Genomes

A Deep Catalog of Human Genetic Variation

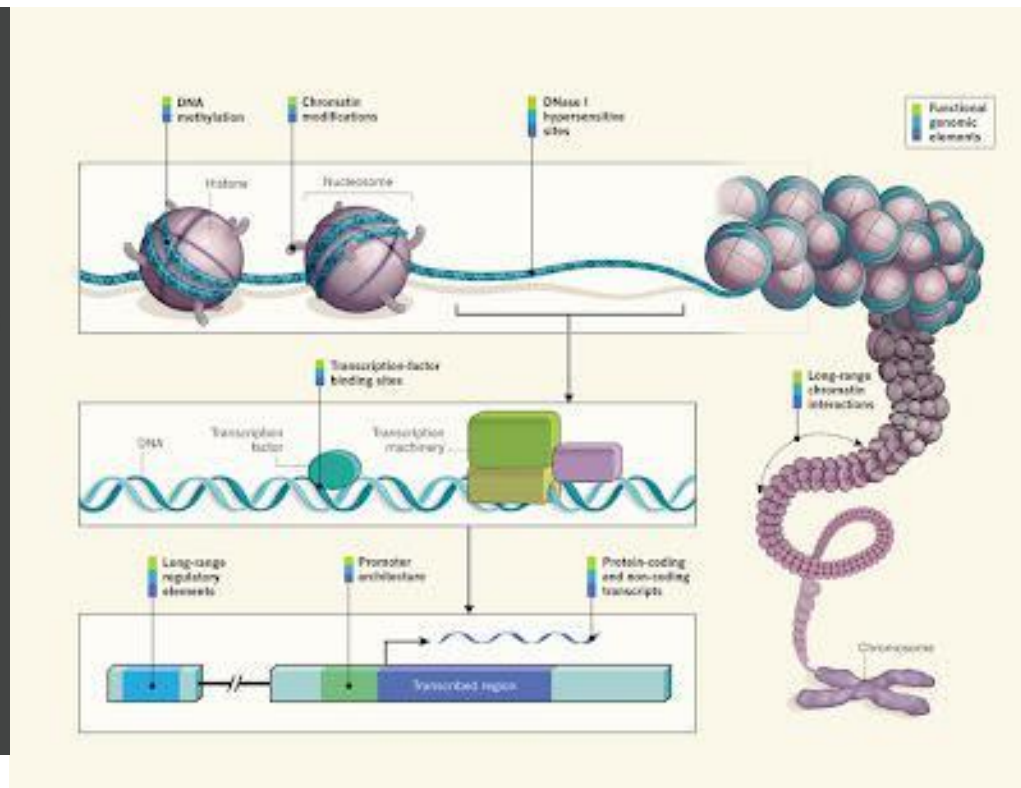
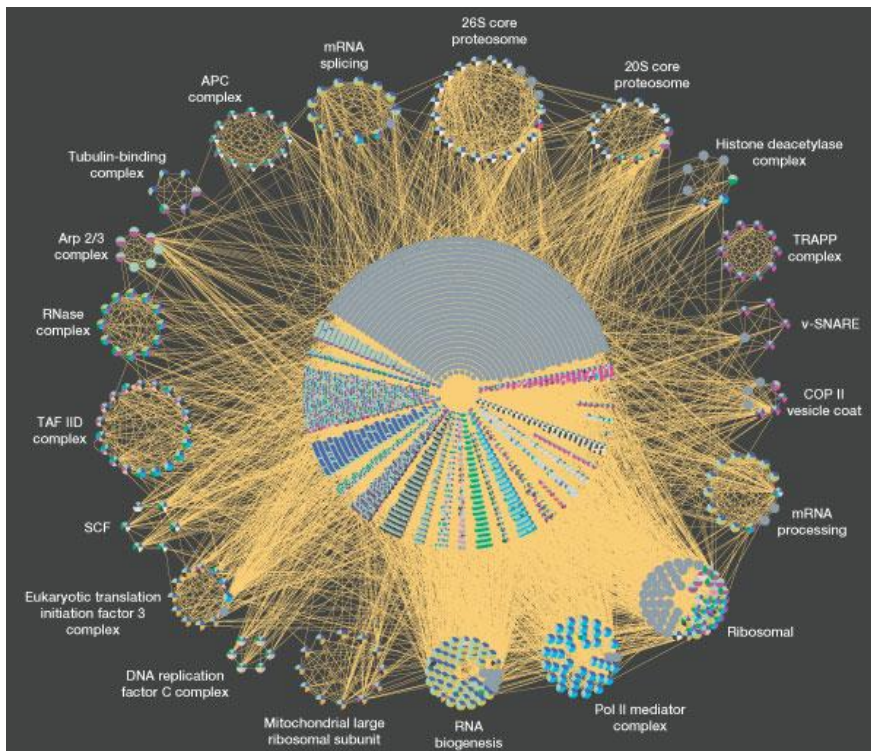


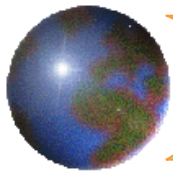


ENCODE: Hva dirigerer genene



Genene er for det meste "stille", men "spiller opp" som svar på indre og ytre miljø-påvirkning.

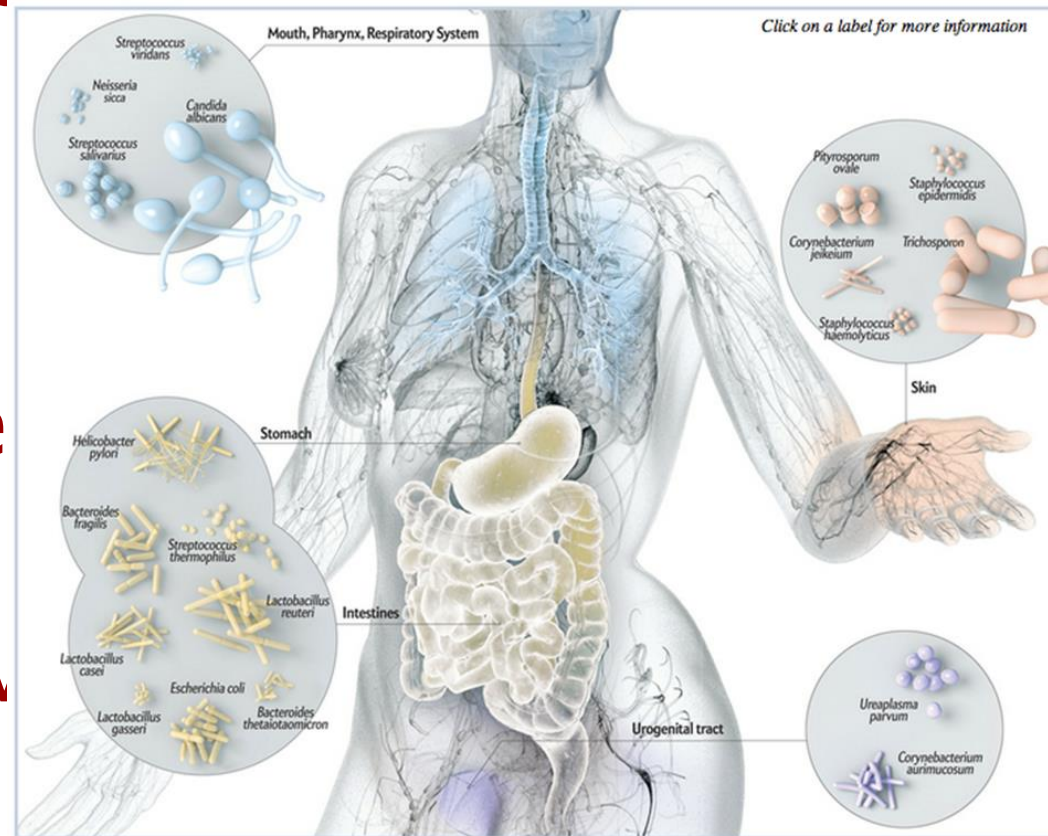


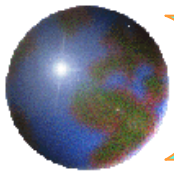


The Microbiome; - We are not alone!

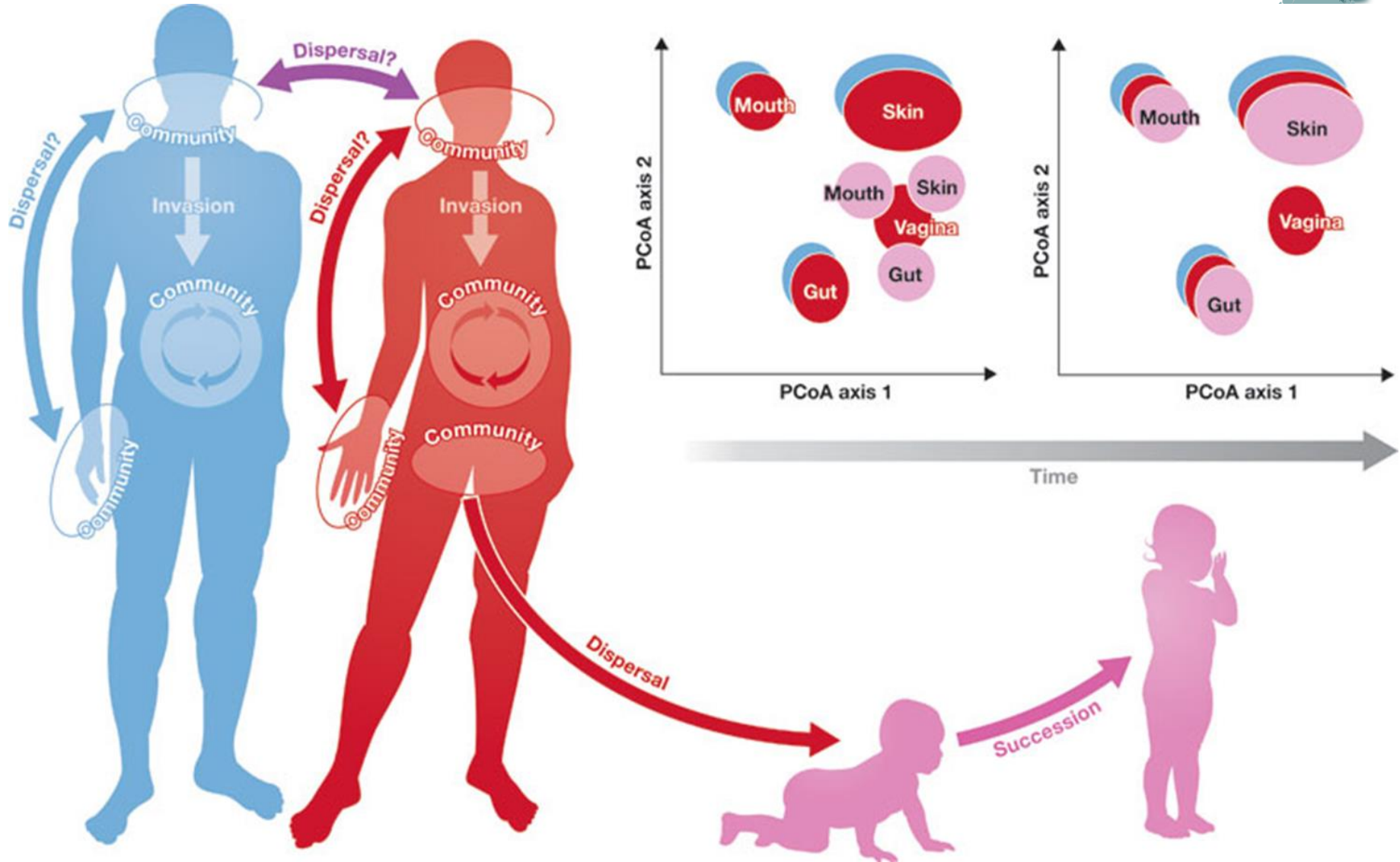


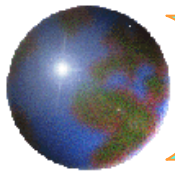
- Ca 10 ganger så mange microorganismer som celler i kroppen
- Ca 1,5 kg av kroppsvekten.
- Forskjellige kolonier
- Forskjellige arter
- Mat og medisin på kraftig





Mikrobesamfunnene går i arv....

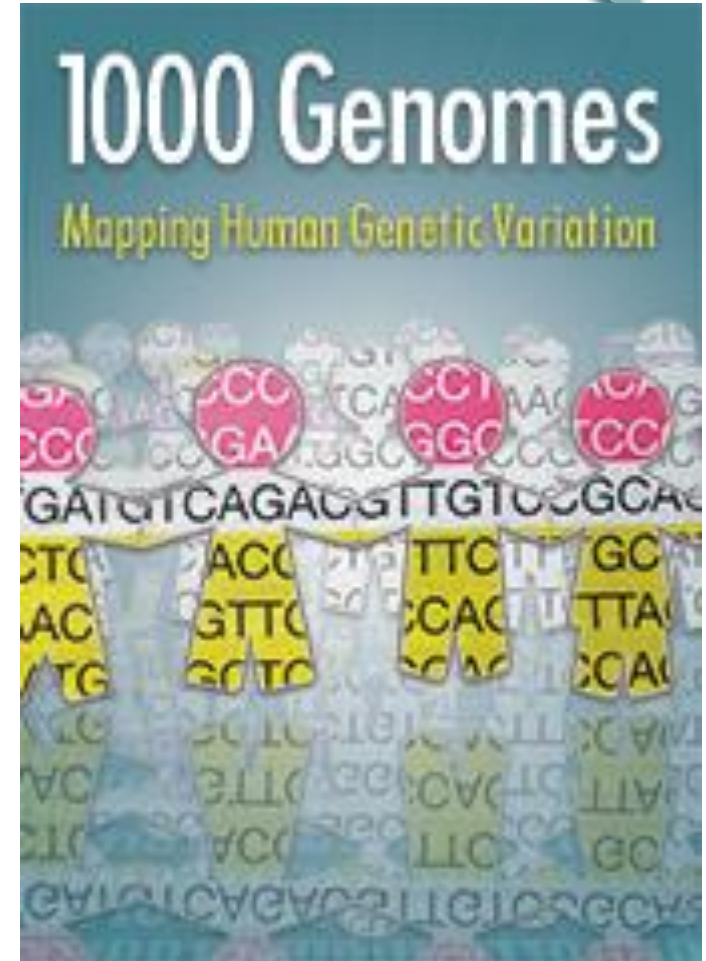


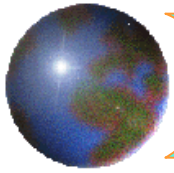


1000 Genomes Project:



- ✦ Humant arvestoff inneholder store forskjeller
- ✦ De betyr overraskende lite for helse og sykdom
- ✦ Har kroppen stor fleksibilitet
- ✦ Den har innebygget reparasjonsevne og robusthet!
- ***Motstandsevne er en arvet egenskap?***
- ***Vi må forske mer på det!***





Forebygging eller behandling



Farm-a-ceutical

Future Life Science?

Traditional Biotech/medicine

Agriculture

Industry

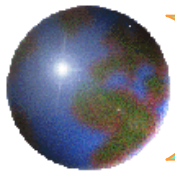
FOOD

Micro-
biome

Organ

Cell

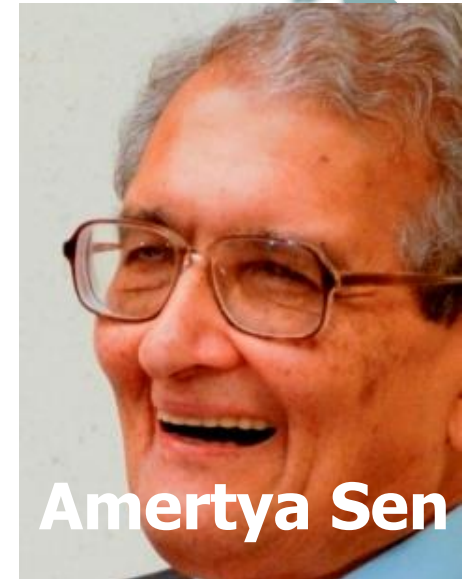
Molecule

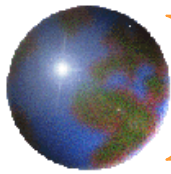


Første prioritet for utvikling



- ✦ *Amertya Sen*: BNP er et dårlig utviklingsmål!
- ✦ Utvikling er frihet.
- ✦ *Martha Nussbaum*: Utvikling er å gi folk muligheter
- ✦og evne til å bruke dem
- ✦ Velferd er myndighet I eget liv
- ✦ Helse er evne til å tåle og takle livets utfordringer.





Den Nordiske Modellens Robusthet



- ✦ Var tidligere sett som urealistisk
- ✦ Særlig under globaliseringen
- ✦ Ikke robust nok
- ✦ For kostbar
- ✦ For egalitær
- ✦ Newsweek, WEF og mange økonomer har nå ombestemt seg!

SPECIAL EDITION • ISSUES 2011

Newsweek

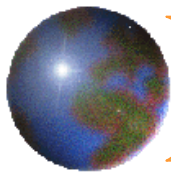
ESSAYS BY: JACQUES ATTALI • MOHAMED EL-ERIAN • KISHORE MAHBUBANI • STEPHEN ROACH • JOSEPH STIGLITZ

THE KEY TO POWER

FOR COUNTRIES, COMPANIES, AND CONSUMERS, THE CRITICAL QUESTION IN THE COMING YEAR IS THIS:
CAN YOU HANDLE YOUR DEBT?

DECEMBER 2010 - FEBRUARY 2011

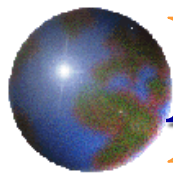
Albania Lek 950 France €6.50 Kuwait KD 1.90 Norway Nkr 55.00 S. Africa



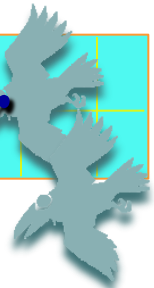
WORLD ECONOMIC FORUM

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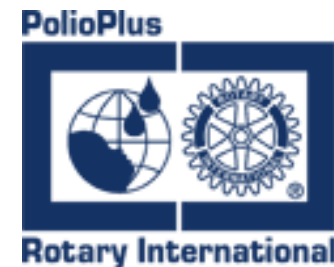
austerity without compromising the investments necessary for their long-term prosperity. They have made their economies more competitive without giving up security for workers. The Nordic nations have shown how to successfully combine balanced budgets with economic fitness as well as smart, and fair, social policies.



Helse og Velferd: Rotarys muligheter



- ✚ Utdanning er viktigst
- ✚ Kvinner må prioriteres
- ✚ Fattigdom skaper uhelse
- ✚ Forbygging virker best
- ✚ Mulighetene er mange:
 - Rotarys polio-program
 - Vann, landbruk, miljø
 - Humanitære programmer
 - Utdanning og utveksling



AUSTRALIAN PRIMARY SCHOOLS
MENTAL HEALTH INITIATIVE

**Takk for
engasjementet!**

Werner @ Vidarshov.No
Mobile +4790576920

***Helse og velferd
skapes av kulturen
vi lever i...***

***....og vi skaper
kulturen***

Sammen!

