



**A new economic  
paradigm is  
needed very soon**



**Some main  
problem:**

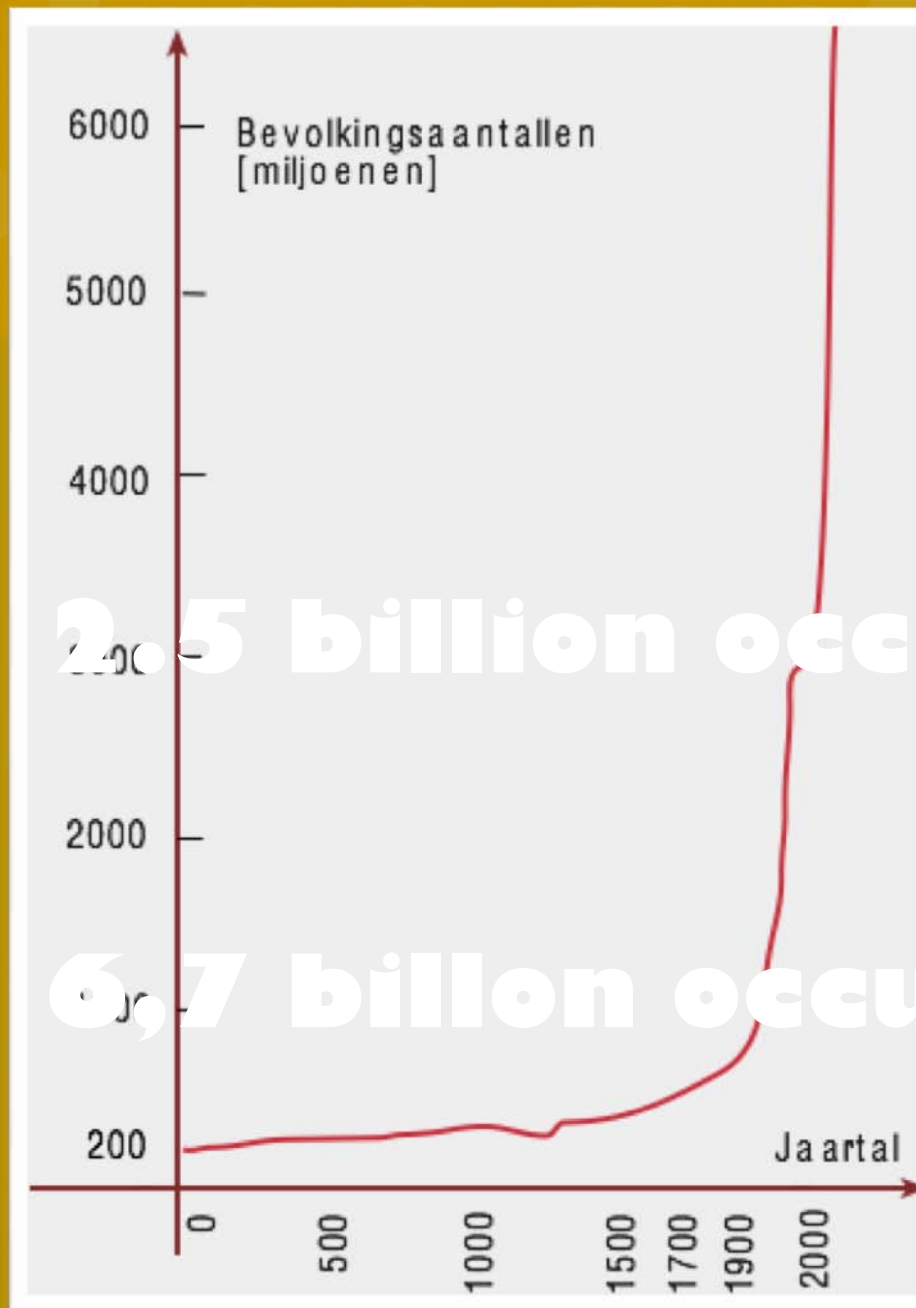
**denied most of the time**

we

ion

**1950: 2,5 billion occupants**

**2008: 6,7 billion occupants**



# How many millions are there?



Year	1750	1800	1850	1900	1950	1999	2050	2150
Millions	791	978	1,262	1,650	2,521	5,978	8,909	9,746

# Demographical problems

- **biological standard has been exceeded**
- **population number on world scale**
- **overconcentration of people at certain places**

**Demographical  
problems**

# Values in most industrialised countries

## Today's usual value hierarchy

1. financial
2. economical
3. esthetical
4. (ecological)

**XX<sup>th</sup>. Century**

## Tomorrow's needed hierarchy

1. ecological
2. biological
3. sociological
4. economical
5. financial
6. esthetical

**XXI<sup>th</sup>. Century**

# **Some** bottle **neck problems**

## **Non economic convictions**

- **mostly irrational arguments**
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## **Economical views**

- **economics from last centuries**
- **many times also based on irrational behaviour**

# non economic convictions

- **lack of intrinsic values**
- **anthropocentrism**
- **lack of vision**
- **sun is not shining in many countries**
- **privileged and rusted**
- **collective ego-centrism**

**Rusted ideas: ex. barbershop**



# economic convictions

- **intrinsic <> extrinsic values**
- **unrevealed subsidies**
- **financial pay-back periods**
- **external costs <> “full cost pricing”**
- **exhausting natural resources**
- **blind pragmatism, ‘short term thinking’**

# Airco-systems



# Metaphor of industrialized economics



# Tensions



# Sustainable developments aspects

ecological

**new economical paradigm**

renewable  
culture

economical

cultural



**Which 'instruments' can  
we use to reach a new  
economic paradigm?**

# **Some remedies I: human rights**

- birth control available**
- treating women as real human beings**
- emancipation courses for men**
- education for women everywhere**

# Remedies 2: axiological

- **review of our values**
- **ecological education everywhere**
- **solidarity education**

# Remedies 3: greenhouse gasses

- **avoid eating meat**
- **avoiding unnecessary traffic**
- **building and living on low energy use**

# Remedies 4: ICT use

- **making more use of videoconferences**
- **computerised education**
- **long distance learning**
- **permanent evaluation**
- **no exams any longer**

# Remedies 5: energy

- **build-in energy on all products**
- **strive everywhere to more efficiency of processes**

# Remedies 6: state financies

- **fight against poverty**
- **everybody an income by birth**
- **TVA tax remains**
- **no longer taxes on labour**

# Remedies 7: money generating, taxes on

- **energy use**
- **CO<sub>2</sub> exhaust**
- **pollution**
- **noise**
- **robots**

# Remedies 8: world economics

- **limits to competition**
- **no longer GDP for measuring welfare, wellbeing**
- **Using other indexes**
- **for everybody an sense giving occupation, don't need to be payed job**

# Remedies 9: world economics

- **change from *fossil economy* to a *solar economy***
- **emphasis on decentralised energy conversion**
- **reward sustainable energy conversion**

# Case study: Solar 2002

- **how to transform philosophical ideas into practice?**
- **can it be done already?**
- **some example: *Solar 2002***

# **Some small presentation: Solar 2002 in cooperation:**

- **Flemish Government**
- **Province of Antwerp**
- **Municipality of Berlaar**
- **VITO nv (Flemish Institute Technological Research)**
- **PIH (Provincial Institute Hygiene)ODE-Flanders (Organisation Sustainable Energy)**
- **VIBE vzw (Flemish Institute Bio-ecological Building)**

# *Solar 2002*



# Characteristics: Solar 2002 :

***Solar 2002 is ecologically neutral***

- 1. CO<sub>2</sub> neutral**
- 2. Energy neutral**
- 3. H<sub>2</sub>O neutral ( Used 'black water' is purified to clear water.)**
- 4. Material neutral**

# **Characteristics:**

## **Solar 2002 :**

**The roofs have multiple functions ,  
the roofs in this project have 4  
important functions:**

- 1. Improvement inner climate**
- 2. Production of heat**
- 3. Production of electricity**
- 4. Production of water**

# If you want to visit Solar 2002 :

For groups make an  
appointment

to find: [www.mondo.be](http://www.mondo.be)

Thanks for your  
attention!