

Eco-Efficiency Conference: challenge, set-up, to be achieved

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The good life: basics for 8 billion people

Population stabilising towards around 8 billion

Higher incomes reduce their fertility rates; Japan and W-European countries shrinking already now; US immigration country

Good life *requires*

- *basic income*
- *stable and pleasant surroundings*

The good life for 8 billion people: Environment

PLEASANT AND STABLE ENVIRONMENT, LIFE SUPPORT

→ GLOBAL ENVIRONMENTAL STRESSES RESOLVED

- CLIMATE CHANGE
- POLLUTION
- HABITAT DESTRUCTION, BIODIVERSITY LOSS
- RESOURCE DEPLETION

Environment to be stabilised, deterioration halted

Environmental challenge

Reducing absolute environmental stress by a:

Factor 2 to 5 (= minus 50 to 80%)

Fundamental changes take “40 years”

→ 2050

The good life for 8 billion people: Economy

Economic challenge

By 2050, 8 billion people mostly leaving poverty, as they want & we hope

→ *average global income non-OECD by then around 10,000€*

GGP 2010: ~ 50 Trillion

GGP 2050: ~ 200 Trillion (already assuming DeGrowth of the richest)

→ *4-fold GGP (= 3.5% pa)*

→ *Drivers in place*

The good life for 8 billion people: Economy & Environment Combined

Combined challenge, assuming degrowth of the richest already:

*Improve average eco-efficiency E/E
as ENV_i / Va_{tot} by:*

~ Factor 10

E/E improvement per year

> 5% pa ↓

Challenge quantified

The scope of the conference:

The good life for 8 billion people;
where to get, and *how* to get there

Where to get: Performance and performance measurement

- Consumption volume (and distribution) = income constrained
- Consumption style
- Production technology

HOW TO GET THERE: CREATING PERFORMANCE

- NARRATIVES, IMAGINARY
- INSTITUTIONAL DRIVERS
- POLICY DRIVERS
- CONSUMPTION STYLES: CULTURE
- WORK VOLUMES & INCOMES PER HEAD
- TECHNOLOGIES OF PRODUCTION
- TECHNOLOGIES OF CONSUMPTION
- SPATIAL POLICIES

PROCESS: PERFORMANCE DYNAMICS, SPEED OF CHANGE

- INNOVATION
- ECO-INNOVATION

Pattern of the three days

Today, Wednesday 9 June

- Plenary today: *goals, drivers and examples*
- Parallel sessions this afternoon, first round, details
- Discussion of ***Conference Statement***
- Poster presentations
- Dinner to choice (tickets Zuiderduin, or elsewhere)

Pattern of the three days

Tomorrow, Thursday 10 June

- Parallel sessions in the morning
- Afternoon 1; feedback from morning: could we realise **5% pa** ↓
- Afternoon 2: what do we ***need to know*** better?
- Discussion of draft ***Questions to be answered***
- Poster presentations
- Conference dinner (tickets included)

Pattern of the three days

Third day, Friday 11 June

Linking domains of knowledge to avoid *undue*:

- Divergence in decision support
- Divergence in analysis

Connect views, narratives and imaginary

good life; degrowth; sustainable development; sustainability

Connect knowledge

Morning session: presentations of views to linking

Afternoon session 1: Linking knowledge domains

Afternoon session 2: Final discussion on ***Conference statement***

Conference closing & Reception

On and beyond the conference

Weblog for ordering broader discussion

- Feedback to: weblog@eco-efficiency-conf.org
- Placed on website of *The Broker*
<http://www.thebrokeronline.eu/en/Online-discussions/Blogs/Global-green-economics>

See at the www.eco-efficiency-conf.org home page:

- Link to Weblog on the Broker
- Link to Talking Heads

My starting blog:

[**The good life for 8 billion people?**](#)

Beyond the conference

- **Weblog:**
 - Continued
- **Input to policy**
 - Diffusion, Challenge doc
- **Input to science**
 - Publications, as in Journal of Industrial Ecology **Visions doc**
 - Input to research programming: **Questions to answer doc**
- **Input to society**
 - Narratives, styles of consumption, awareness

Spread the message!!

Looking forward towards
a fruitful conference!

The good life for 8 billion people: technicalities

GOAL TECHNICAL:

ENV_i down and **E/E** (*as environmental intensity*) **down**

Related Goal:

GGP up versus **DeGrowth: GGP limited/ constant / down**

From sustainable development to the 'good life'

On technicalities we agree ...

Macro:

- $Y = C + G + I = VA$
- $GDP = GGP = VA$ (Value Added = Income)

$$ENV_i / VA_{tot} = E/E$$

Meso:

- IOA

$$ENV_i / Va_j = E/E$$

Meso/Micro

- MFA/SFA

$$RES_i / VA_{tot} \text{ or } ENV_i / RES_i$$

Micro:

- LCA

$$ENV_i / FU \text{ or } ENV_i / VA_{ref k} = E/E$$