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ICT for Sustainable Homes
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How might or should our societies evolve in the next decades?

How can the Future Internet contribute to make this future better?

About the Club of Rome

“Understanding holds the precedence over knowledge...From knowledge, acquired from reality, principles are distilled which connect into a view.”

Mark Bloch (1886-1944)
French historian, philosopher and
resistance fighter



Chasm Ahead:

Problematique

Mondial

Global Change

Defining characteristics of Global Change in the 21st century:

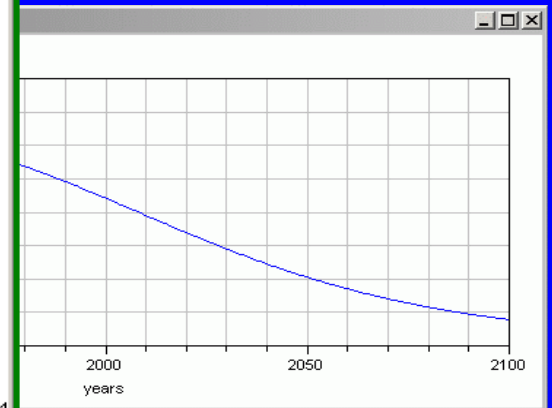
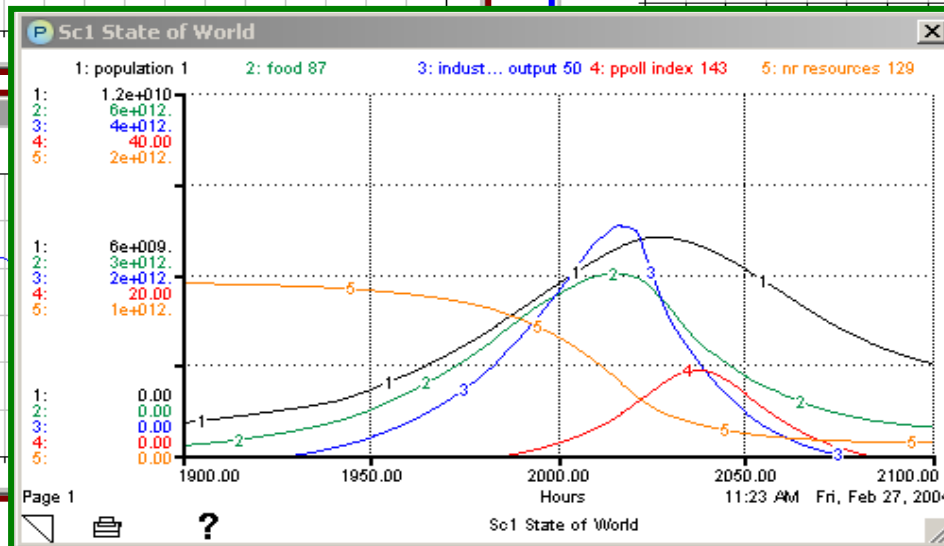
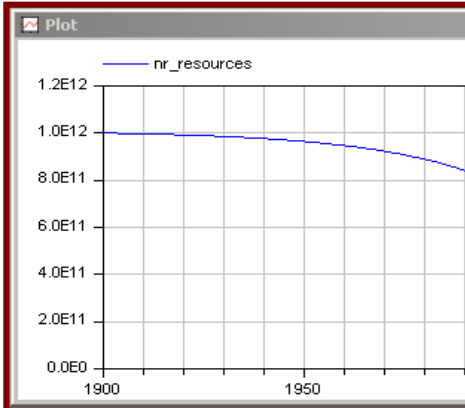
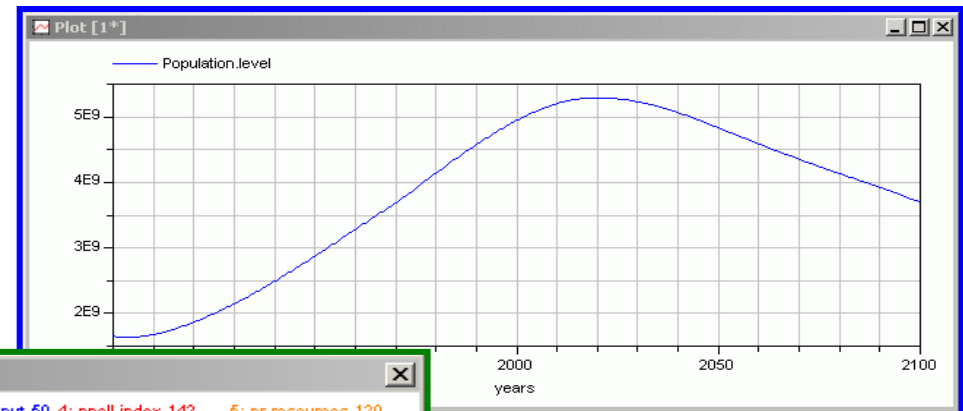
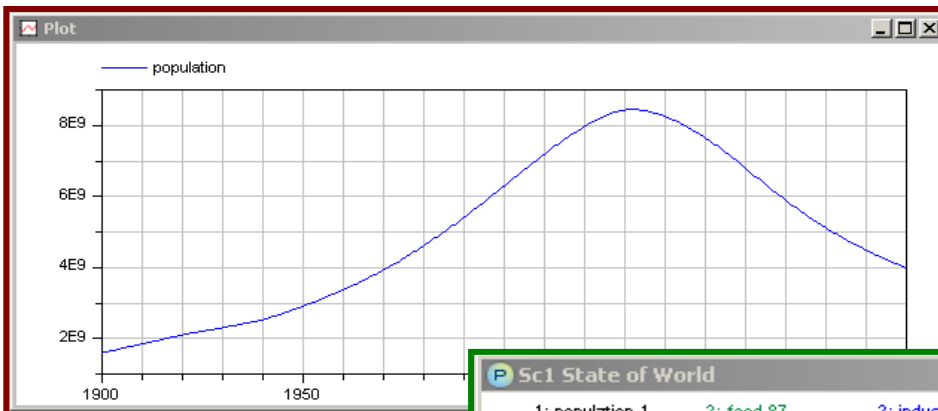
- **Discontinuity (*“Tipping Points”*)**
- **Irreversibility**
- **Magnitude of global change**

Simulation Results

Stella

World3

World2



Limits to Growth

Sustainable Growth
"oxymoron"

Organic Growth

- *Biological Growth*
Homeostasis and Harmony
- *While the world is becoming more 'One' it is becoming more 'Many' as well.*

Sustainable Development

Environmentalism

- *Nature Conservancy*
- *GAIA: Cybernetic Interdependence of Living and Non-living Spheres*

Sustainable Human
Development

Reintegration

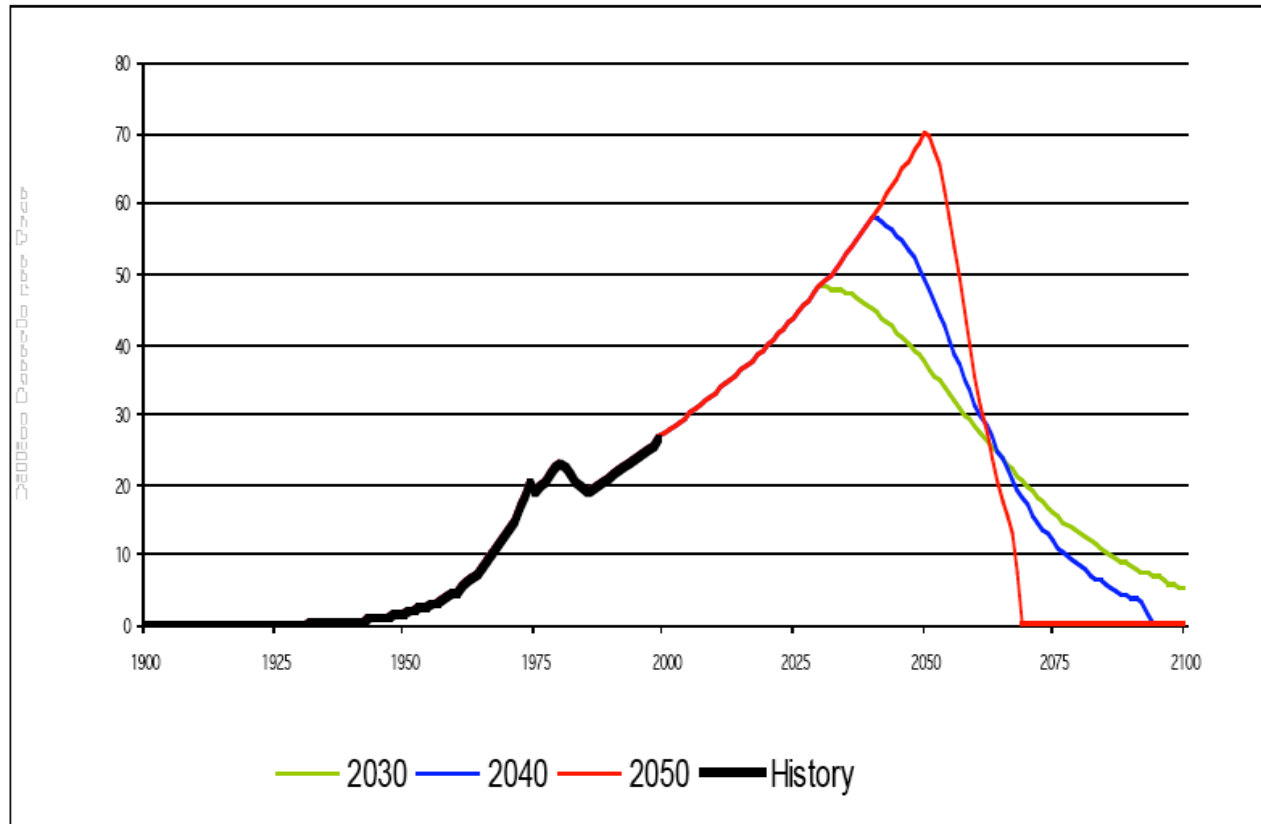
to address

Global Problematique in the 21st Century

Reactions

- Both World Dynamics and Limits to Growth received immediately lots of attention
- lobbyists quickly started denouncing the results.
- The methods were defamed as pseudo-science - The defamation campaign

End of the Oil Era: With a Whisper or a Bang?



Sustainability

- All indicators point to the assumption that we are already now consuming the remaining resources of this planet at a pace faster than the planet is able to re-grow them for us.
- Our material standard of living is no longer sustainable.
- In such a situation, it doesn't help to relieve a limiting factor.

“Not working towards guaranteeing the basic capabilities to future generations would be scandalous, but not working towards bringing these capabilities within reach of the deprived in the present generation would be as well outrageous.”

- Amartya Sen

A PERSPECTIVE OF SIGNIFICANTLY REVISED
ECONOMIC, ENVIRONMENTAL, AND SOCIAL OBJECTIVES



A SOCIETAL PARADIGM SHIFT

*AN OBVIOUS REFERENCE TO A BETTER
WORLD...*

**In order to avoid major risks of breakdown,
all countries (developed, emerging, and
developing ones)
will need to agree sooner or later
on an alternative way forward,
a societal paradigm shift,
a new concept of progress,
measured through a 'beyond GDP' index**



**ICT can,
whichever societal model is considered,
fully contribute to achieving economic,
environment and social objectives.
Suited ICT solutions for “this other
future” have therefore to be explored**

An even larger project impact

SUPPORTED BY THE ACTIVITIES OF THE PARADISO FOUNDATION

Web2.0

Social networks

Open contests

(contribution, videos, research grants, schools,...)

Conferences and webinars



PARADISO Workshop

Nov. 23, 2010

European Commission, Brussels

AGENDA AND REGISTRATION

Understanding the interaction
between Internet and societal
developments

The Paradiso Foundation, Brussels

<http://www.the-paradiso-foundation.org/>



The PARADISO Foundation

ICT FOR A GLOBAL SUSTAINABLE FUTURE



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