

Raising The Level of Dialogue

The Da Zi Bao process will be most helpful when more messages weave together insights evoked in earlier messages. This will serve to raise and deepen the level of communication. It will help to create a new level of coherence. It is this which could provide a context for insights of the greatest significance.

#IS-1, Tony Judge, Union of International Associations, BELGIUM

Tribal Peoples and Development in S-E Asia

A new book "Tribal Peoples and Development in SouthEast Asia" examines the impact of outside forces and state intervention on the lives of tribal communities in southeast Asia. Orders can be sent to The Editor, Lim Teck Ghee, Institute of Advanced Studies, University of Malaya, Kuala Lumpur 59100, Malaysia

#IS-2, Lim Teck Ghee, University of Malaya, Kuala Lumpur, MALAYSIA

Democratizing the UN System

There is a proposal for a 3-Chamber UN System, with one Chamber for Governments, another one for business and economy actors, and the third one for NGOs and Social Movements. Does it make sense to promote the UN System democratization and strengthening via greater and greater participation of citizens in it? Will it be a tool for us to build a politically democratic, socially fair, ecologically sustainable world order? Contact in Rio: Brazilian NGO Forum Headquarters, tel: 2851212.

#IS-3, Carlos Aveline, UPAN - Umiao Protetora do Ambiente Natural, BRAZIL

HELP!

Things are getting so bad in my universe that I may have to ask you to stop helping me.

#IS-4, Anonymous

Can You Be My Friend?

If you try to lead me

I may not follow

If you try to follow me

I may not lead

If you put me on a pedestal

I may not rise to the occasion

If you walk beside me

I may become your friend

#IS-5, Author Unknown

Fragment of a Song

"nothing to look for
nothing to hide
nothing to lose
but our arrogant pride
It's a crazy thing
that we will have tried
with nothing but a dream
a dream for a guide..."

#IS-6, Tim Casswell, Creative Connection, UK

We Are Our Own Metaphor

The challenges of this opportunity of an inter-sectoral dialogue is that in many ways it provides us with a metaphor of why we collectively have difficulty in responding to the issues of sustainable development. Our weaknesses in this inter-sectoral process reflect our inadequacy in global strategies.

#IS-7, Anthony Judge, AUSTRALIA

Intersectoral Problem

A major unsolved intersectoral problem is associated with 'careerism'. To become first an accepted member, and then a leader of, or within, a sector - to develop our careers - gives us habits, mind sets, a paradigm, that is almost the opposite of what is needed for solving earth problems. We need a major mid-life paradigm reorientation program for leaders of every sector.

#IS-8, Alan Kay, Americans Talk Issues, USA

Preferred Futures

Many people think about the future, but most of the time it is the probable future rather than the **preferred** future. A **possible** future can be developed if we first attempt to describe what **ought** to be - as well as what we think **will** be. If protagonists about the future first articulate **their preferred future**, then we can try to create a **common**

preferred future from a series of alternative preferred futures. To fight over **alternative presents** divides, discussing **common futures** can unite.

#IS-9, Peter Ellyard, Preferred Futures, AUSTRALIA

Problem-Centred vs Mission-Directed Approach

Many people think about the future which lack or has in diminished quantities present **problems** - they are **problem centred** about the future. Others envisage a future which has qualities we **want** or **need**, rather than just be a place where present problems are reduced or abolished. We should be **mission directed** in our approach towards preferred futures, rather than be **problem centred** in our approach towards probable futures.

#IS-10, Peter Ellyard, Preferred Futures, AUSTRALIA

Dialogue With Those Living Sustainably

The need for this conference exemplifies how far our culture has come from identifying solutions to the problems it has created. However, we must also recognise that we can't help but to identify solutions within this cultural context. Most of us also agree that our current (for the past 5000 years) economic model was based upon offering the physical system that created us. We need more institutionalised dialogue with people who are actually living sustainable development.

#IS-11, David Rivard, California World Foundation, USA

A Pentagram

- * Economic development without ecology leaves a wasteland
- * Ecology without economic development preserves poverty and injustice while providing a nice view
- * Equity without economic development only shares poverty
- * Ecology without empowerment becomes part of the structures of oppression
- * Empowerment without ecology allows for collective and equitable self-destruction.

from Richard Levins, Oxfam, Boston, USA in today's Earth Summit newspaper. My address in Rio: Barra Beach Hotel

#IS-12, Peter Ellyard, Preferred Futures, AUSTRALIA

Alice's Restaurant

Let us imagine the sectors coming to the centre to eat.

The table is bare, waiting.

We want enough to eat, with balance for/from all.

What would each bring to the meal, to share?

What **single** nourishment, from our own 'kitchen' is edible in collective-nutrition?

(The bringing = the process-act; the food = the substance, self-selected from our individual expertise)

#IS-13, Anonymous

Global Financial System Money Monopoly

3 scenarios of devolution of this global money system in the 1990's.

1. Internal disordering due to speed of electronic currency, stock, bond and derivatives trading - depression? default? etc.

2. **Money** (currencies) now equal to **information**. Local groups, peoples now understand this. Creating local barter/exchange via radio, computers etc.

3. 5 billion humans' energies can no longer be contained, disciplined or motivated by existing global money systems. Demands for new "scrip", "new Global Resources Bank", "new local 'currencies'".

#IS-14, Hazel Henderson, Author (Atlantco Copacabana Hotel), USA & UK

New Indicators for Sustainable Development

Can we get a show of hands as to which delegates support changing the gross national product (GNP) systems of national accounts, eg:

UNDP's new indicator "Human Development Index" (HDI)

Net National Welfare (NNW) Japan Index of Sustainable Economic Welfare (ISEW)

Country Futures Indicators (CFI) Hazel Henderson

#IS-15, Hazel Henderson, Author (Atlantco Copacabana Hotel), USA & UK

New Ways Are Old Ways We Have Forgotten

I hope we won't be too intellectual.

Although we are looking for new ways there are basic earth facts at the root of the mess we are in on our planet.

Destruction by overconsumption and suffering of people and earth by exploitation are a part of the western model that is fast taking over the earth.

New ways are old ways of **harmony with the earth**. This is the message of all indigenous people. Sustainable development is a new word for age old ways. We must all look at the contradictions in our lifestyles and teach by example **holistic sustainable living**.

My address in Rio: Youth Office Gloria Room 461.

#IS-16, Bridget Van Rensburg, Youth '92 & We Create Our Future, SOUTH AFRICA

#IS-16, Bridget Van Rensburg, Youth '92 & We Create Our Future, SOUTH AFRICA

Preferred Futures

Suggestion (Peter Ellyard): "Solicit a variety of Preferred Futures, then look for a Common Preferred Future."

Fundamental problem of knowing what is a REALISTIC preferred future, eg. maximum material/energy affluence and maximum environmental preservation (social justice, equity and peace aside). Where do we find the balance? Who is capable of assessing which future visions are realistic and which are too fantastic, radical, unrealistic?

In Rio tel: 2946317/email

gholland@ax.apc.org

#IS-17, Geoff Holland, University of Wollongong, AUSTRALIA

Intersectoral Dialogue

We would like to know where are some important sectors such as: indigenous peoples, trade unions, campesino organisations, social movements. Don't you think we are missing a big, big part of the whole?

#IS-18, Alpizar/Riquelme

Lydia/Monica, COSTA RICA/MEXICO

Globality

Model/Future-Directed Actions

The economic benefits that are inherent in sustainable development only become visible when viewed within the globality model of our discussion. Across sectors, across industries, and across regions there are **measurable economic benefits** which are constantly disrupted by the limited vision or view of each player and their self-interest. By identifying the ultimate beneficiaries of these actions (future benefit) and using a small part of that benefit to support environmentally informed action (current benefit) we begin to act in a new way.

#IS-19, Randolph Croxton, American Institute of Architects, USA

Trade and Development

Many experts assert that freer trade brings about economic growth of nations; GATT is a typical example. But the fact tells that trade very often causes enormous environmental costs to both exporting and importing countries. We therefore need to examine seriously what are the outcomes, who are endangered, and what alternatives can be taken up for sustainable development of our concern.

#IS-20, Ryohei Kada, CASA-OSAKA (Structure #30, Japan Centre), JAPAN

Focus After Rio

We should focus on key problems after Rio, and make a priority list of what we want to achieve. The process is just a tool to get there.

#IS-21, Jan-Olaf Willums, ICC, NORWAY

I'm Disagreeable

Please don't make declarations in my name

- I may want to disagree

#IS-22, Anonymous

**This is an experimental process.
It will evolve and succeed according to your use of it.**

Planning the Future

Two thoughts for planning the future to guide our process:

- 1) The future is not a place we are going to but one we are creating. The paths to it are not found but made and, the making of those pathways change both the maker and the destination.
- 2) We cannot work to create a future if we do not first imagine it.

#IS-23, Ramon Tâames, Club of Rome, SPAIN

New Paradigms of Communication

Every meeting can be conceived as **one** organisation. We can simply assume that we are all employees of Company Earth. To work together healthily together means knowing what **everybody** is doing. The chairpersons or facilitators then become **servers** rather than leaders.

#IS-24, Ramon Tâames, Club of Rome, SPAIN

Trans-Sectoral Dialogue

With the idea in mind of keeping the trans-sectoral dialogue grounded in the prospect of facilitating operational sustainable development, it is proposed that a hypothetical notion be used to ground our dialogue. In this way we can explore the application of trans-sectoral dialogue process in facilitating prohibitive interaction between sectors.

#IS-25, Sabine McNeill, Global Heart, USA

Code of Ethics

I perceive a need to develop a clear, concise code of ethics for environmental issues that could be used on a daily basis by the world's inhabitants that would concentrate emphasis and focus attention on the **individual** and his/her effect on ecology. This ethical code I will coin as **eco-ethics**. I hope to get feedback on what could be the major points to include.

#IS-26, Eric Gustafson, DUMAC, MEXICO

Agenda Setting for Meeting

Much discussion today occurs at the platitudinous level regarding the need for more intersectoral cooperation and partnerships. Operationalising this and codifying the lessons learned has been more problematic. Perhaps we could spend time exploring alternative forms of consensus building, priority setting, and action planning in three areas: 1) more effectively implementing government laws/regulations; 2) better designing government interventions and 3) most importantly promoting change **outside** of government intervention.

#IS-27, Brad Whitehead, McKinze & Company/Presidents Commission on Env. Quality, USA

The New World Order

Can we concentrate on **UNCED being the first sustainable step into the New World Order** seizing this Global Forum to constitute a platform to watch that and not allow all these efforts drawn into the disorder. More comment on this issue is appreciated. My address in Rio: Hotel Gloria

#IS-28, Fadia Midman, New World Order Development, SWEDEN

Record

Please make the visual record (Chris) available (in reduced photostat form) to those who request them. They are wonderful. My address in Rio: Hotel Florida, Room 301. Tel. 245 8160.

#IS-29, Dietrich Holm, International Solar Energy Society, SOUTH AFRICA

Problems vs Solutions

In response to Peter Ellyard's and the need to switch from problems to solutions. If we do not use our understanding of how we are each differently part of the problem, then we cannot understand the nature of the solution required. We need to transcend the limits of dualism.

#IS-30, Anthony Judge, AUSTRALIA

Population

This issue will not be resolved until women are emancipated and educated. Empowering women is the ultimate contraceptive. My address in Rio: Atlantico Copacabana Hotel

#IS-31, Hazel Henderson, Author, USA-UK

IFC

When we wait until we definitely know about how harmful the effects of an activity is, are we really establishing the protocols of sustainable development, or are we really guilty of trying to salvage the system we want to dismantle. My address in Rio: Hotel Gloria R. 753

#IS-32, David Rivard, California World Foundation, USA

Imagine Company Earth

Imagine we were all trying to work together to save Planet Earth. Imagine the organisation: how can we make sure that we all find the job we love to do most? Whom do we need to ask for permission? Who helps and empowers us? Will we be both leaders and followers? Can we find ways in which we appoint ourselves? Whose approval do we need??? Imagine job descriptions, functions to be fulfilled, roles to be played... My address in Rio: 224 praia do Flamengo, Tel. 245 2515

#IS-33, Sabine McNeill, Global Heart, USA

Vision Not Good Enough

People's understanding of the concepts of sustainability are far from being manifested in a process that will get us to the 2020 vision. The concepts of sustainability must be clarified only after going through the mental exercise of reaching their 2020 vision. This will result in the commonalities in values. Not good enough just to have vision.

My address in Rio: Hotel Florida

#IS-34, Mike Nicklas, ISES, USA

Dr Peter Ellyard

Why so fixed with 20 years or more? With regard to the Hi-Tech, it should go farther by intensifying the information about environment in school, TV, radio, video, etc. Time is short and Mother Earth is at risk.

#IS-35, Fadia Midman, New World Order Development, SWEDEN

Immediate Gains

It will take 20-30 years to create an ecological sustainable world - but we **can** make gains immediately. I agree that time is short. However, it must be a commitment to designing and building things so that the earth becomes sustainable - not to ONLY solving problems. The approach is as important as the timeframe.

#IS-36, Ramon Tâames, Club of Rome, SPAIN

Vision 2020 and Problem 1992

Vision 2020: The attracting force where to we want to be? What would be the ideal state? What could the sectors contribute? Problem 1992: The driving force for the future will not be like the present. Where do we want to be? What could the sectors contribute? Suggestion: Tackle 1 before 2.

#IS-37, Dietrich Holm, International Solar Energy Society, SOUTH AFRICA

Macro and Micro

There are two ways of approaching reality: macro and micro. If you go the first, you forget the hard difficulties of day-to-day life. If you go the latter, you can see trees but not the wood. A mix is necessary. Rio address: Rio Roiss Hotel #IS-38, Ramon Tâmates, Club of Rome, SPAIN

To Willums

I agree with every single word you said. We should not focus on the concept/practice of dialogue but on the **burning issues** which we have differences over and how to resolve them.

#IS-39, Lim Teck Ghee, University of Malaya, Kuala Lumpur, MALAYSIA

**This is an experimental process.
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Vision 2020 and Problem 1992

Vision 2020: The attracting force
Where do we want to be? What would
be the ideal state? What could the
sectors contribute?

Problem 1992: The driving force for the
future will not be like the present.
Where do we want to be? What could
the sectors contribute?

Suggestion: Tackle 1 before 2.

#IS-40, *Dietrich Holm, International
Solar Energy Society, SOUTH AFRICA*

Macro and Micro Reality

There are two ways of approaching
reality: macro and micro. If you go the
first, you forget the hard difficulties of
day-to-day life. If you go the latter, you
can see trees but not the wood. A mix is
necessary.

Rio address: Rio Roiss Hotel
#IS-41, *Peter Ellyard, Preferred
Futures, AUSTRALIA*

Use Nature as Model and Mentor

It is most difficult but essential to
change the process of the making of
things to one which uses nature as
model and mentor, e.g. current solar
income for energy, waste = food, people
with lives rather than consumers with
lifestyles.

Rio address: Miramare Palace
#IS-42, *William McDonough, AIA, USA*

Change in the Sovereign

The sovereigns no longer control the
value of their currencies. They are
losing the ability to control information
and the ability to lie. People are joining
into new types of communities to
represent their interests. Many of these
focus on communication of quality of
life concerns which include
environmental/
sustainable issues.

#IS-43, *William McDonough, AIA, USA*

Seed of a New Process

The uniqueness of this event is the
diversity of its participants. We trust
come forth with an example of how this
process works in finding solutions to
'sticky problems'. This will show that
the galvanising of this group can be a
very forceful method of solution using
the tools of all of the participants to find
the results. We can use this forum to
prove that the methodology is effective
in actioning tangible results for a
preferred future.

#IS-44, *Susan Maxman, American
Constitution of Architects, USA*

We Know What DOESN'T Work

We cannot regulate, CONTROL, etc.
We must inspire anew paradigm, a new
way of thinking... By showing the very
dire consequences of not changing our
way of doing and being. It must be
inspirational & futuristic & positive.
Negativism never works. Regulation
never works.

Rio address: Rio Othon Palace
#IS-45, *Susan Maxman, American
Constitution of Architects, USA*

Selection of Topic for Discussion

I suggest (again) to select those
problems of highest priority (such as
population growth and
over-consumption) which are more
subjective to deal with, and people here
can give relevant contributions. Other
main issues (such as education,
reduction of poverty, etc) can be
included in those items above.

Rio address: Hotel Excelsior
Copacabana
#IS-46, *Umberto Cordani,
Universidade de São Paulo, BRAZIL*

Financing Issue

Institutional changes and the financing
issue should be definitely addressed by
this group. (I agree with Ramón
Tamames). My address in Rio: Hotel
Pousada Universidade Estacio de Sa.
#IS-47, *Fernando Carro, AIESEC,
SPAIN*

Selection of Topic for Discussion

Specific topics like **energy** or **forest**, or
climate or **toxic waste** are very
technical, depend very much on existing
knowledge, and future scenario as well
as possible solutions are already
envisaged. They depend more about
decisions, actions and political will of
countries (or powerful companies and
institutions).

Rio address: Hotel Excelsior
Copacabana
#IS-48, *Umberto Cordani,
Universidade de Sao Paulo, BRAZIL*

Towards a Sustainable World

I liked very much Hugh Faulkner's
suggestion of coming up with 5
structural (architectural) changes that
we need to achieve to have a sustainable
world.

Rio address: Hotel Pousado
#IS-49, *Peter Ellyard, Preferred
Futures, AUSTRALIA*

Pollution Is Not Related to Wealth

We in the developed world pollute
because we are **wealthy**. Undeveloped
pollute because they are **poor**.
Therefore, if undeveloped now develop,
must do so in an entirely new,
pollution-reducing way or pollution will
only increase.

#IS-50, *Alan Kay, Americans Talk
Issues, USA*

Financing the New World Order

Can't we demand or require that those
who want to shape the New World
Order finance it, too and the Agenda 21
tell them clearly how. Some of them
refuse to sign under certain conventions
for various reasons but the political
aspect seems more appealing to the
rulers of the world today. Don't you
agree?

Rio address: Hotel Gloria
#IS-51, *Fadia Midman, New World
Order Development, SWEDEN*

Sacred Ecology

We should hear some spiritual views as
we heard in the sacred ecology meeting
in which indigenous people participated
and gave us some basic lessons. The
declaration adopted by the **Sacred
Ecology Meeting** and by the
Indigenous People's Meeting should
be read at this meeting.

#IS-52, *Robert Muller, University for
Peace, COSTA RICA*

Learning from Disagreements

If we focus here on areas of agreement,
we will not be creatively challenged by
the areas in which we disagree. It is
these which undermine efforts to
implement action based on agreement.
How should we manage disagreement
between sectors?

#IS-53, *Anthony Judge, AUSTRALIA*

From Disagreement to Harmony

Agreements and disagreements are only
valid on the level of **content**. If we
assume that on the level of **energy** we
all want the same, then we can welcome
everybody's point of view.

#IS-54, *Sabine McNeill, Global Heart,
BRITAIN/GERMANY*

Intersectoral Dialogue Process

This discussion is so disorganised that if
you stop and look at the flip-charts there
are so many issues there, but there is no
focus on the discussion. Are we going
to get a concrete result coming out of
this meeting? Where are we going?

Rio address: Youth 92 - Youth Desk
#IS-55, *Lydia Alpizar, Youth 92,
COSTA RICA*

On Paradigm

A paradigm is normally defined as a **tacit** shared mindset (assumption) informing action of a group. A paradigm is formulated **after** the event; it makes us selectively (un)observant. So by definition one cannot "agree on a paradigm".

We may agree on a metaphor, slogans, symbol, but not on a present and less on a future paradigm.

Address in Rio: Hotel Florida

#IS-56, Dieter Holm, SOUTH AFRICA

Nova Spes

Hope is a universal theme. Even in this most experienced interdisciplinary group, we share hope and yet we are still each as the blind person touching a different part of the elephant and generalising the answer (or paradigm) from our peculiar experience. We need to pool our selective, often regional information routinely before we shall have a common set of aspirations. Shared hopes over specific social problems will, I hope, stimulate us and find our common solution. Hope is the spirit of this gathering.

Rio address: Rio Nacional

#IS-57, Nicholas Robinson, IUCN - Peace University, Environmental Law Center, USA

Values are Valuable

(Reaction to Hugh Faulkner)

Is it enough to choose "sustainable development" or should one amplify to "sustainable and equitable development"? Values such as justice are relevant and necessary to provide criteria of quality and not just quantity. Ethics and values can be multiple (and not necessarily global, although that is an ideal) - they can provide energy, motivation and visions.

#IS-58, John Taylor

Common Problem

The problem we all have in common is the problem of getting people who are "listening" to actually hear and respond creatively to our message... **and** my experience is that I stop hearing YOU when you act and speak in the ways that I/we try to make you hear me.

#IS-59, Anonymous

African Prayer

O my Father, great elder. I have no words to thank you but with your deep wisdom I am sure that you can see how much I prize your glorious gifts. O my Father, when I look upon your greatness I am confounded with awe. O great elder, ruler of all things both on heaven and earth, I am your warrior and I am ready to act in accordance with your will.

#IS-60, Bridget van Rensburg, Youth 92, SOUTH AFRICA

A New World Order

Fadia Midman in her Da Zi Bao note

seems to have "read my thoughts"!

What we're doing **now** is materialising a **new world order** which is going to be politically free, economically efficient, socially fair, ecologically sustainable and spiritually rather aware. And global mechanisms for the community feeling are part of the process.

#IS-61, Carlos Aveline, UPAN -, BRAZIL

Consuming Television

Someone said we cannot 'consume' television. We do! We consume it through our eyes. Reaching our brain and heart, giving impact to our values, habits and attitudes. Like food we consume, it can be filling to saturation, and it can also be damaging to our health!

Rio address: Sao Conrado Palace Hotel

#IS-62, Erna Witoelar, IOW, INDONESIA

Eco-Ethics

A creative message to the world's people with a practical approach to an individual's contribution to improving the world's environmental situation would be a worthy product of this group of intelligent people engaged inter-sectoral dialogue. Each one expounding on personal knowledge and perception is very enlightening, but a focused laser beam message with clean points would be much more useful & longer lasting.

#IS-63, Eric Gustafson, DUMAC, MEXICO

Animal Rule

Disagree with Lim Teck Chee - It's very important that everybody play a part in environmental concerns. Must act on top and bottom with individual abilities. It's the same thinking that's wiping out biodiversity. "Let's pick the best species and let them rule the world".

#IS-64, Amelia Amon, Industrial Designers Society of America, USA

Dialogue Continues

We should assume that the dialogue between sectors started here will continue after Rio

#IS-65, Fernando Carro, AIESEC, SPAIN

**This is an experimental process.
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Disabled Persons

We have the research, we have identified the problems, we have the technology, the desire of the people! We have the ideal time and opportunity to ensure that disabled persons are included in society. Now what is needed is the will and commitment of the world's leaders to make this possible.
#IS-40, Hans Hoegh, United Nations, AUSTRIA

Disabled Community Needs

To consider any changes without seriously considering the desires, needs and potentials of this population segment, the **disabled community**, would be a grave humanitarian injustice. The disabled community must be given the opportunity to contribute to our common future.
#IS-41, Hans Hoegh, United Nations, AUSTRIA

Preferred Futures

Response to Geoff Holland, #17. Any process of negotiating between different sectors should involve each sector articulating their own **alternative preferred future**, before the negotiation towards a **common preferred future** begins. Unless this is done the sectors will fall back into the present (and conflict). Balance should be found through criticism from other sectors - anybody who is hopelessly unrealistic will not get far.
#IS-42, Peter Ellyard, Preferred Futures, AUSTRALIA

Wastes

If Chernobyl had been operating 50m underground, there would have been less damage. Energy competitiveness, worldwide, prevents assuming the associated construction and operating costs. If wastes have be costed, nukes are out.
#IS-43, Christian de Laet, Development Alternatives, CANADA

Agree to Disagree

We can agree on issues; we can also agree on the reasons why we disagree on issues; we can further agree on the means of resolving the oppositions. We can finally agree that no agreement is ever possible in the present framework of values and references.
#IS-44, Christian de Laet, Development Alternatives, CANADA

Networks Create Higher Level Consensus

We need to find ways to improve the setting up of social, business and professional networks. The objective is to create higher levels of consensus in order to effect changes in attitudes. This means converting adversarial

systems, such as most governments and the legal systems, into consensus systems. The result will be new "mind sets" which can take the actions needed to protect our future on the planet.
#IS-45, Insight Level 1, Karl-Henrik Robert (edited), Step by Step, SWEDEN

Recognise Non-Negotiable Facts

We must agree that there are basic facts which are non-negotiable. The growing, world-wide pollution of air, land and water is an example. If action is not taken soon the health of every person on the planet will be affected. Eastern Europe and the former Soviet bloc are already drowning in their own pollutants. Smoking is seen as an anti-social act by a growing number of people. However, the pollution of the atmosphere means we are all smoking pollutants. Once such facts are agreed, conflict is avoided. The discussion then moves on to how these problems can be dealt with.
#IS-46, Insight Level 2, Karl-Henrik Robert (edited), Step by Step, SWEDEN

Integrate Problems

The present attitude is to solve problems in isolation. This only creates more problems or the need for proof, as with the issue of climate warming. Popper has demonstrated that there is no final proof. The solution to any single problem must, paradoxically, accept that no problem exists in isolation, build consensus around non-negotiable facts, and be prepared to suspend demands for proof of such non-negotiable facts.
#IS-47, Insight Level 3, Karl-Henrik Robert (edited), Step by Step, SWEDEN

Improved Communication

Discourse Those participating in discourse between societal sectors should become fully aware of:

- (1) the true aspirations and values of each of these sectors;
- (2) the chief obstacles to the fulfillment of the aspirations of each of these sectors, including conflicts of values between sectors;
- (3) the most important global, continental, national, regional and local problems, the most important interactions between them, and their most important causes;
- (4) examples of positive initiatives in all parts of the world, especially local grassroots initiatives, which are contributing directly and successfully to the solution of important problems.
- (5) examples of new ideas, new paradigms and technical and social

innovations, able to contribute to the solution of important problems.
#IS-48, Insight Level 1, Alan J. Mayne, ENGLAND

Convergence Around Common Values and Goals

Those participating in discourse between societal sectors should learn from their increased awareness, obtained at Level 1, to begin converging towards common values, aspirations and policies, for example by:

- (1) identifying values and aspirations, shared by all or most of the societal sectors, and further developing or beginning to construct policies, such as those of sustainable development, that could provide common bases for the process of resolving important problems;
- (2) identifying areas where present values and existing policies at least seem to conflict with legitimate aspirations of societal sectors, and beginning a process of genuine negotiation between sectors on these issues, by applying approaches to policy discussion and formulation that are cooperative and synergistic rather than confrontational;
- (3) helping to release policy makers from conceptual traps that at present lock them into attitudes and policies that constitute obstacles to meeting legitimate aspirations of societal sectors.
- (4) extending the awareness of the general public by developing a broad programme of information, communication, education and research.
#IS-49, Insight Level 2, Alan J. Mayne, ENGLAND

Social Transformation

Preparing for a radical transformation of humankind, for our own benefit and that of our planet, by simultaneously:

- (1) developing a new social paradigm that will promote positive and mutually cooperative attitudes, together with shared values and aspirations and participatory democracy, in all societal sectors;
- (2) promoting a truly holistic education and training worldwide, based on shared values and aspirations, that will teach a unified practical philosophy for the benefit of humankind and the planet, and encourage the full development of human talent and citizenship.
#IS-50, Insight Level 3, Alan J. Mayne, ENGLAND

Interaction Between Disciplines

A more intensive interaction among representatives of various fields of

research, between various scientific disciplines, between science and engineering, between scientists and artists, between natural and social sciences, between practice and theory.
#IS-51, Insight Level 1, Solomon Marcus, ROMANIA

#IS-56, Insight Level 3, Arnold Keyserling, AUSTRIA

Development Of Universal Paradigms

A more intensive development of universal paradigms such as crisis, metaphor, symmetry, temporality, spatiality, paradox, language, communication-information, semiotic systems, algorithms, complexity etc., with participation of representatives of all fields involved in such paradigms.
#IS-52, Insight Level 2, Solomon Marcus, ROMANIA

Transdisciplinary Approach

Development of a transdisciplinary approach (= going beyond disciplines and traversing them) in coping with global problems of humanity (human needs, energy, ecology, education, environment etc.).
#IS-53, Insight Level 3, Solomon Marcus, ROMANIA

A New Work Ethic

In the global technological economic civilization, after the end of the ideological East-West conflict, work is the only common denominator as a basis for dialogue: work for personal survival, family, group, nation, humanity and self-actualization.
#IS-54, Insight Level 1, Arnold Keyserling, AUSTRIA

Embrace Polarity

The logical opposition between true and false has to be replaced by the complementary Chinese conception of polarity, Yang and Yin, also proposed by Niels Bohr in physics. People subscribing to missionary wars of Good against Evil do not cope with their own shadows and are psychologically ill. Accepting polarity, the dialogue may lead to a higher consensus, abandoning the wish for total victory as an aim. Not opinion-leaders, but wise people should act as arbitrators like the censors in ancient China.
#IS-55, Insight Level 2, Arnold Keyserling, AUSTRIA

Common Spiritual Ground

Man has always thought with the same quality. The first historical expositions and explanations of the problem are usually better than later elaborations. A common spiritual ground for human endeavour cannot be achieved by taking a high culture and religion as a criterion, but by delving into the origin of civilization in the neolithic revolution, the Earth-religion still decipherable in the native American, African, Australian and shamanic traditions. Only by accepting spiritual reality as a personal experience, understanding of the common denominators may lead to a fundamental harmony between the different aspects of world-wisdom.

**This is an experimental process.
It will evolve and succeed according to your use of it.**

Transforming Business

We are shifting from an economic world-view to a cultural, spiritual and humanistic world-view. The Business and Organizational Transformation Networks represent a growing body of individuals who are expressing our spiritual values in the workplace. That is, openness, honesty, caring, compassion, intuition, ethics, inclusivity, listening and creatively expressing what we're passionate about through business, etc.

Address in Rio: Hotel Gloria Room 462 or tel: 2228300

#IS-57, Patrick McNamara, Business and Organizational Transformation Networks, USA

Ensure We Continue This Dialogue

To make the necessary changes to achieve a sustainable world we need to work together - no one can make it on his own. We therefore need an intersectoral dialogue to define visions, responsibilities and commitments. At the end of the meeting we should have ensured that the dialogue will continue after Rio.

#IS-58, Fernando Carro, AIESEC, SPAIN

Please Keep in Contact

I'm sorry I can't stay for the ISD due to a Youth Press Conference in Rio Centro. I would like to participate in any further ISD's which are planned as a result of this. Contact address: Overseas Students Dept., Students Union, University of NSW, PO Box 1, Kensington 2033, NSW, Australia.

#IS-59, Premesh Chandran, Asian Students Association, AUSTRALIA

Paradigms and Theories Versus Action

Don't you think we have too many paradigms and theories? Don't you think this is the time to plan and commit ourselves to concrete actions?

#IS-60, Lydia Alpizar, Youth 92, COSTA RICA

Consideration

Have you stopped to think that some people here don't speak English as a first language and it's difficult to understand the words you are saying.

#IS-61, Lydia Alpizar, Youth 92, COSTA RICA

Inter-Sectoral Understanding

Have you ask yourselves if what you are saying is understandable to all the people in this room? Don't you think that understanding among the sectors is basic for a real inter-sectoral dialogue?

#IS-62, Lydia Alpizar, Youth 92, COSTA RICA

Symptom of the Problem?

In response to Bela Abzug's view that women have a "reproductive capacity". In case you did not know, it takes two to tango! It is the human species, both genders together, that has a reproductive capacity.

#IS-63, Anonymous

Alone In a Field of Ashes

In 1990 Jamon, a Darwin (Australia) schoolboy, planted a tree in the Amazon Rainforest to draw attention to the alarming rate of its destruction. His tree-planting was shown on national television in Brazil and also in several other countries. The image was of a child standing alone in a field of ashes, wiping the dirt from his hands as he surveyed the solitary, fragile seedling he had just planted.

#IS-64, Insight Level 1, Chris Gott, Amazon Protection Foundation, AUSTRALIA

Image And Action

The image was quite powerful and said many things to many people, on different levels. Bob Geldorf used similar imagery when he combined music from "The Cars" with images of an African Child in his Live Aid concert.

After his tree planting, Jamon featured in a one-hour documentary on the Amazon, which was purchased by the United Nations in November 1990. On his return to Australia Jamon established the Amazon Protection Foundation to continue the work he began in Brazil.

#IS-65, Insight Level 2, Chris Gott, Amazon Protection Foundation, AUSTRALIA

Create Images to Carry the Message

My concept is to develop a series of short video images (thirty second - one minute) which are carefully tailored to capture both the insights of the Earth Summit and to evoke action. These short images could be extended to both radio and the print media. They can suggest:

- * solutions
- * opportunities
- * challenges.

The strength of this idea lies in the image being able to move across language and education barriers, be ongoing for many years, and generate a "following" in various projects. As time passes and Jamon grows, so the images can be developed/updated to reflect the growth/progress/difficulties of related projects.

#IS-66, Insight Level 3, Chris Gott, Amazon Protection Foundation, AUSTRALIA

Nurture Human Qualities: Affiliation and Self-Determination

Every person at this gathering is at the same time

- a human being - able and susceptible - and
- a carrier of instructions and convictions that come from historical development.

Human social-interactive behaviour consists of a broad variety of possibilities. Two focuses are: affiliation and self-determination. If these tendencies are separated from each other, affiliation can grow into dependency, uncritical obedience, resignation; self-determination into egoism, violence, power against others/at the expense of others.

If both tendencies develop together, the result may be self-esteem, interactive skills, and better ability to deal with conflicts with a low level of aggression.

#IS-67, Insight Level 1, Sigrid Hopf, International Council of Psychologists, GERMANY

Watch Your Language

At international conferences most participants will contribute in a **second language**; also, even for well trained persons it needs an extra effort to participate with **full professional and personal competence**. Therefore **everyone** should speak clearly, not too fast, and not too complicated.

Contributors: don't overload your presentation; make use of technical aids; test the microphone in advance;

Listeners: if you can't follow well, say so directly; it would not be impolite but rather helpful;

Chair Persons: help to mediate the valuable work which is offered.

#IS-68, Insight Level 2, Sigrid Hopf, International Council of Psychologists, GERMANY

Build A More Democratic Supra-National Structure:

Practical suggestions:

1. Be aware of the above mentioned **polar social abilities** and the conditions of their constructive combinations and destructive pure forms.
2. Develop feedback systems on all levels: **more dialogue, less statements**; this is basic to early correction of erroneous decisions and unintended negative side-effects.

3. **Fair treatment of minority votum:** remember that ancient forms of conflict-solving and decision-making were not by majority, but by repeated discussion and finding of **consensus**, (eg. Quakers).

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4. Pre-selection of **candidates**: to reflect standards and **criteria**; women at least 50%; **formal training** for newcomers in politics, by politically independent trainers (to avoid indoctrination) to create a solid basis for cooperation of sophisticated experts and grass-root representatives.

5. Develop forms of **participation** and cooperation suitable for **family-involved** women and men: regional groups, area chairs, networks by phone and fax, etc.

6. **Take care with words**: avoid borrowing expressions from military language, sports, etc.; avoid euphemisms and simplified images of human personality traits - even if sentences get longer. This is especially important for rapporteurs, editors, journalists.

7. **Do not allow separation** of arguments for **human welfare** from those for **protection of biosphere** - even though the problems are gigantic.

8. Advice for individuals and groups alike: **enjoy** even very **small progress**, to **gain strengths** for the next step, in an approach toward a huge and still very **distant goal**. It needs some training to repeatedly move from small-scale to long-term perspective without getting distracted.

#IS-69, Insight Level 3, Sigrid Hopf, International Council of Psychologists, GERMANY

Be Ourselves and SEE Each Other

The first level is to free ourselves from any thoughts of being part of an "inter-sectoral debate" with all its implications of structure and permanence, moving instead to an informal process of discussion, dialogue and simple face-to-face communications - who we are, what we stand for, what we value dearly, what our mission is, what are our hopes and fears. There is a need to create the conditions where we are able to "see" each other with no expectation at this stage of doing anything else. The more we see of each other, the more we learn about each other and perhaps we make it more possible to move towards common and mutual understanding. Without knowing where we each "come from" it is difficult to reach any consensus over where we are going.

#IS-70, Insight Level 1, Chris Elphick, Kirkham & Elphick Organizational Consultants, WALES

Exemplary Collaborators

There is a need for two or three sectoral groups to show what is possible with the willingness to build on a new way of 'seeing' each other. Pilot approaches are required where the participants make a real commitment to seeing beyond the differences, to look into each others' hearts and to join together in activity which stresses our common bond as human beings. At this stage it is important to draw on the experiences of others (eg. divided communities in Northern Ireland) and to learn from people who already do this. They will, by and large, be unsung s/heroes who do not command centre stage in the political or economic areas.

#IS-71, Insight Level 2, Chris Elphick, Kirkham & Elphick Organizational Consultants, WALES

Let Go The Old and Risk Working Together

The ultimate goal surely has to be one where we are able to work together in an atmosphere of common understanding and shared vision, one where we bring our differences as positive contributions to bear on **practical**, joint actions which demonstrate the amazing things that are possible when real collaboration takes place. This will never be possible at a superficial level or where there is no willingness to consider structural organizational change. Equally it will not be possible purely at the level of debate. Instead it will require a willingness to let go old structures and systems and to risk new ways of working together.

#IS-72, Insight Level 3, Chris Elphick, Kirkham & Elphick Organizational Consultants, WALES

Dialogue

Our perimeters - those of our sectors, are shrinking and shredding. The gaps are enlarging: they have to be met with understanding and compassion for the whole. The alternative would be slackness, corruption and violence. Humanity would lose its sense of humanity.

#IS-66, *Christian de Laet, Development Alternatives, CANADA*

To: Amelia Amon

No disagreement that everybody must play a part in environmental concerns. What I suggested was that in a plan of action, with time and resources running out, we must have a sense of priority and proper targeting and identify intermediaries/constraints/actors that have to be focussed on to push sustainable development more quickly along: state institutions, MNC's, mass media, multi and bilateral development agencies, etc.

#IS-67, *Lim Teck Ghee, University of Malaya, Kuala Lumpur, MALAYSIA*

Inter-Sectoral Bridges

"Inter-sector" refers to more than subduing competition within micro-environments or power blocs. It also refers to bridges between the "Princes and the People". In another dimension we have to let our inferiority (our God within) reach out to the external material world. We should inter-share a wide variety of ebbs and flows.

#IS-68, *Christian de Laet, Development Alternatives, CANADA*

Interests of the Elderly

Among the sectors, the elderly should be included. Their percentage in the world's population is increasing substantially. They have much wisdom to contribute and they are facing many growing problems.

#IS-69, *Robert Muller, University for Peace, COSTA RICA*

We Need Not Look Too Far

This timeless **laws of nature** are the common vision, paradigm that we need. Let us not overdo our inclination to newness as the path, be in the form of presentation of ideas, methodologies, etc. Let us breakthrough our alienated egos and over-exuberant rationality to tune back to the good old all-wise and harmonious cosmic computer of mother nature.

#IS-70, *Frank Bracho*

Mind/Emotion/Nature

There's an ecology of emotions. There's an ecology of mind. Ecological crisis is not fundamentally out there in the external world. Difficulties in our mental work occur as a sign for us to build ecologically correct feelings and mental activity. We should be able to talk about that. If you don't do that here, there will be comments outside. But we should observe our feelings, transpersonally.

#IS-71, *Carlos Aveline, UPAN - Umiao Protetora do Ambiente Natural, BRAZIL*

What Are We Afraid Of?

I am concerned that we continue to avoid discussing or building a vision. Why? Are we afraid of the differing visions or perhaps the difficulty we may have in bringing these visions together.

The path may be rocky but we need to travel it - our survival demands it.

My address in Rio: "Club Militzare", Rua Jardim Botânico
#IS-72, *A. Clements, YWCA/UNAL, CANADA*

Effective Listening

Perhaps if we practice "effective listening" within the Forum. Each person reflects back to the speaker what was heard. First step in elemental communication.

#IS-73, *Anonymous*

Consider Specific Needs

Architects, engineers and planners of the built environment must also consider the specific needs of persons with disabilities when they address their work on the environmental and developmental level. Persons who have physical, sensory and other impairments are disabled by their environmental surroundings.

#IS-74, *Hans Hoegh, United Nations, AUSTRIA*

Decisions for Change

The commerce, trade and industrial sector, when adjusting their thinking or policies to address environmental and developmental needs, have an ideal opportunity to include in those changes the needs and participation of the disabled community. The world's disabled community can be involved as consumers, participants and contributors.

#IS-75, *Hans Hoegh, United Nations, AUSTRIA*

Correcting GNP National Accounts

Will float idea at big press conference that all countries could agree to a new protocol (costs NO money) to required all practicing economists to take courses on ecology and social indicators and they pass a new exam for re-credentializing. (Just as in Britain, doctors who mal-practice medicine must re-take the M.D. exam - economists prescribe for whole countries! No accountability).

#IS-76, *Hazel Henderson, Author (Atlantico Copacabana Hotel), USA & UK*

Ageing of the Population

By the year 2025 there will be more than one million people over the age 60. 70% of the elderly will be living in developing countries.

#IS-77, *Robert Muller, University for Peace, COSTA RICA*

Different Age Growth Curves

While world population grows at 2.5%, the age group of more than 80 years is growing at 8%.

#IS-78, *Robert Muller, University for Peace, COSTA RICA*

The Tree of Life

The human species is faced with the relative unproblematic task of tending a tree-planet, a relatively easy planet to be on. This is of course an old old archetypal image:

1. The largest and the oldest beings inhabiting the land surface of this planet are trees.
2. Trees create the fertility of the soil locally, and stabilize the atmosphere and climate globally throughout the biosphere.
3. The branches of trees formed the cradleplace of the human species.
4. The oldest human religions, those of shamanism, share a common general theme of ascent of a World Tree, cosmic axis or pole.
5. In the West Christ, Odin, the Hanged Man, and others were sacrificed upon trees, or tree substitutes.
6. In the East buddhas, yogis, Krishnamurti, Rajneesh and others attained enlightenment meditating beneath a tree.
7. The Tree of Life is a universal visionary symbol and morphogenetic pattern, to be found throughout religion, mythology and evolutionary theory.
8. Techno-industrial civilization has been founded on the rapacious felling of forests and extravagant use of energy laid down as a gift by the carboniferous forests of the past.
9. Branching tree patterns, a prominent feature of brain cells, cognitive theory, computer programming, quantum physics, chaos theory and many other branches of science, are relevant to the

investigation of the non-looping aspect of the multi-dimensional structure of time.

10. The vertical polarity of up/down, high/low, flying/falling, levity/gravity, is the central feature of human motivation and psychology.

#IS-79, Insight Level 3, Peter Carr, Highland Psionics, SCOTLAND

Conferencing In The Global Arena

* *The Rio Conference* is a bold attempt to address global issues on the most visible and highest level of world stakeholders. If this format is indeed a contribution to the ongoing processes of world problem-solving, no doubt there will be repeats. This prospect provides a unique opportunity for all participants (organizers and attendees) to focus their efforts not only on its agenda, but to view the conference itself as a subject to be developed.

* *Personal and Public Expectations* of the Summit's effectiveness may exceed what reality can provide. This generates a self-imposed sense of frustration and failure, which can be avoided if the conference is described as a daring preliminary effort and its members are invited to share in its evolution. Weaknesses in the meeting can then be perceived as part of a learning process to create a more function "next time". By bringing about a spirit of experimentation, typical barriers in communications can be lowered and the formality of discourse diminished.

How to bring this about:

- 1) Design and distribute a questionnaire inviting participation in giving structure to future conferences.
- 2) Use every opportunity to stress the need for all representatives to view the conference as a learning model to be redesigned.
- 3) Place the conference in context with the larger, global agenda, stressing the fact that its real value lies in the results it engenders in the future.

#IS-80, Insight Level 1, Axel Duwe, Salinas, USA

Official and Latent Agendas

* Formal and Informal Meetings are part of all conference. Often the lunch and after dinner meetings are more productive because no pressures constrain the flow of ideas. Here kindred spirits can regroup and frequently this part of meetings is their major contribution.

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* *Self-organisation* of this kind only occasionally endures beyond the actual conference, but can be stimulated to build small, homogeneous working groups developing and pursuing their own agendas. Here is the best opportunity to introduce the very type of communication you are seeking, since it is spontaneous and neither facilitated nor consensus seeking.

How to bring this about:

1) At the conference make available informal facilitators who on a personal level can put people in touch with each other and available conference resources.

2) Create conference support for "emerging agenda" by circulating daily bulletins of informal discussion topics and whatever resources can be mobilized in support of "self-organization".

3) Implement a global computer-assisted conference network to sustain continued collaboration, provide real time communications and periodic publication to legitimate independent groups.

#IS-81, Insight Level 2, Axel Duwe, Salinas, USA

Design A New Conference Methodology

What is going to be needed if these "Macro Conferences" are to have any real world relevance is the design of some type of "goal formulation and strategic thinking" methodology. It can provide a foundation of expanding dialogue and possibly even joint actions. Members of the meeting should be encouraged to mobilize such resources in their home environment. Planning on a highly focused world conference should begin at the closure of this meeting.

How to bring this about:

There are a number of individuals, most university-based, throughout the world who are engaged in this project. A "design network" can be inaugurated with few physical resources.

#IS-82, Insight Level 3, Axel Duwe, Salinas, USA

Changing Logics and Paradigms

Many call for a new mind-set. Not to be forgotten however is that a more appropriate mind-set can usefully make allowance for those who do not transform to that new mind-set. In a rich conceptual ecosystem, there is a place for coelocanths and sharks.
#IS-83, Two-Fin, Friends of the Coelocanths

Generating Space for Listening

Do we speak to have our position heard? Do we speak so that the other will **listen** to us? I will listen to you if I feel that you will also want to listen to me. This is subtle and has to do with our intention in terms of true dialogue with the other. This is mutual respect.
#IS-84, Kathleen Forsythe, CANADA

Conversations Between Men and Women

There is a significant intersectoral issue: Conversations between men and women - the mutual feeling that "You just don't hear me...You just don't understand me!"

We need to pay attention to changing our languaging and improving our listening in order to find a space of **human** understanding.
#IS-85, Kathleen Forsythe, CANADA

Should's and Should Not's

The inter-sectoral communication space is swamped by the "should's" and "should not's" pronounced by sectors - often as ultimatums. How is their validity to be captured? How are their excuses to be recognised and constrained?

#IS-86, Anthony Judge, Union of International Associations, AUSTRALIA

The Children and the Species

When we took a moment of self reflective silence, I was overwhelmed by the voices of the children of the world - the endangered of our species. David Suzuki put us, as a species, in context...How can we raise our discussion to see ourselves within the living systems.

#IS-87, Kathleen Forsythe, CANADA

Recognise The Northern Pollution Debt

The pollution and depletion debt of the Northern Hemisphere industrial countries to the rest of the world, estimated at some \$25 trillion, should be put on the table in all negotiations regarding funds to implement the shift to sustainability, as well as in writing and cancelling debts incurred by Southern Hemisphere countries to Northern banks and other agencies of governments.

#IS-88, Insight Level 1, Hazel Henderson, USA

Democratize Financial Agencies Of The UN

The United Nations and its financial agencies: The World Bank, the International Monetary Fund, the GATT, and others need to be democratized before any plans to move toward sustainable development can be implemented.

#IS-89, Insight Level 2, Hazel Henderson, USA

Get Sustainable Indicators Into National Accounts

The United Nation's System of National Accounts must be overhauled to account for depletion of natural resources, the costs of waste, pollution, planned obsolescence and unsustainable industrial methods of production, as well as including the value of unpaid work in the informal and household sectors, as well as new indicators of sustainable human development: life expectancy, infant mortality, literacy, child development, population, crime and public safety, energy/GNP ratios, military versus civilian expenditures of governments, democratic participation in political processes, access to public services, air and water quality, biodiversity and species loss, cultural and recreational opportunities, status of women and ethnic minorities, and such other indicators as are needed to track the goals and values of diverse cultures and societies (see, for example, my Country Futures Indicators (CFI) in *Paradigms in Progress: Life Beyond Economics*, Knowledge Systems Inc., Indianapolis, Indiana, USA, 1991).

#IS-90, Insight Level 3, Hazel Henderson, USA

Consciousness Raising

The first level of insight would be an internalization of the Other. This is personal and often categorized by consciousness raising. It means the ability to see and understand the metaphors of others. Various sectors, movements, nation-states, corporations, individuals attempting to go beyond the limits of their ego and seeing others in their own light and circumstances.

#IS-91, Insight Level 1, Sohail Inayatullah, HAWAII

Pluralism At Many Levels

The next insight would be structural but focused on eclecticism. It would mean the ability to move in and out of metaphors. Concretely it would mean experimenting with many types of economic systems (cooperatives, entrepreneurs, and large state). This would be a commitment to pluralism at many level. International Governance
#IS-92, Insight Level 2, Sohail Inayatullah, HAWAII

Global Governance

The third level would be a commitment to international governance, whether in the form of a world government or increased strength for regional association or for international agencies. This would mean global laws. This third level recognizing the Other and structurally pluralistic would then focus on concrete enforceable behaviours.
#IS-93, Insight Level 3, Sohail Inayatullah, HAWAII

Business As An Agent For Positive Change

Business is changing. Old concepts like "the smack of firm management", "the shareholder is king", and "give them any colour they want - as long as it's black" are on the way out. They are giving place to leadership which says "come here" rather than "go there", a quality of product and service that is aimed to "delight the customer" in every aspect, and a recognition of the ethical responsibility of the enterprise to its community, the public and the planet. Hence business, which has till now been the mindless engine of environmental destruction, is approaching a state where it could be re-focused and re-energised to prove its salvation.

Unlike governmental, academic and voluntary agencies, business organisations are subject to a clear but challenging rule. If they make money they succeed; if not, they fail. They either fly or crash. Hence the double imperatives of the market mechanism which, bluntly, is moved by the conflicting emotions of greed and fear. The environmental message has been too concentrated on the "fear" aspect so far, and not enough on the potential for legitimate, acceptable and responsible profit available to business in the cleaning up, protection and enhancement of the environment.
#IS-94, Insight Level 1, Francis Kinsman, UK

Working Together

Forget the failures of "conflict resolution" between business people and environmentalists. Instead switch

from the stick to the carrot of "common exploration" - the overlap and sharing of positive aims (though each side may find the other alien to start with). Recognise that even though no human being is perfect, a team can be. Greed is pretty unattractive, but so is pride, the besetting "holier-than-thou" sin of the politically correct radical. Each side needs to admit that a viable future entails our both trusting in God and tethering our camels, yoking together the visionary and the practical.

#IS-95, Insight Level 2, Francis Kinsman, UK

Cusp Between Two Ages

We stand at the cusp between two ages. A whole new social value system is emerging, variously termed "post-industrial", "new paradigm", or "inner-directed". Scientific disciplines have been developing in new directions, as the Cartesian reductionist way of thought yields to a more holistic and less anthropocentric approach. Education and the law are beginning to follow suit. It is now the turn of business.

Though maybe largely motivated by self-interest, the business person with one foot on the escalator can only travel upwards. An entire new "Millennial" management philosophy is sorely needed, increasingly heralded and on the point of emergence. However, it still requires massive encouragement both from within business and from outside it.

#IS-96, Insight Level 3, Francis Kinsman, UK

Interdisciplinary Field Work

In the "Household, Gender and Age" project of the United Nations University, we experienced the interaction of anthropologists, sociologists, psychologists, historians, and statisticians and computer science experts. It was not easy. But I have found this way to interdisciplinary field work better in results than any debate at the theoretical level.

#IS-97, Insight Level 1, Eleonora Masini, World Futures Studies Federation, ITALY

Women's Wisdom

The involvement of women who have had to experience the real weight of environmental damages, such as walking longer for water and wood, or having to face the Minamata disease caused by mercury in fishes in Japan, or waste issues in small rural villages. Women have had to find ways out of so many environmentally dangerous situations round the world. If their experience, which in so many ways is similar, could be brought to bear, I think we would have major steps forward, at least at the level of understanding.

#IS-98, Insight Level 3, Eleonora Masini, World Futures Studies Federation, ITALY

Cooperation In The South

The cooperation between South countries on environmental issues is the final level of insight. This should first be in a way which they consider to their benefit, and second not damaging to the rest of the world.

#IS-99, Insight Level 3, Eleonora Masini, World Futures Studies Federation, ITALY

Don't Let Our History Trip Us Up

I am struck by the feeling that productive collaboration between sectors is such an obvious, necessary and common sense activity as to question the need for any debate over whether or not it is a "good thing" and how and why it might happen. However, from bitter experience, I am aware that such a common sense approach is rarely applied and instead we remain locked in a state which emphasises difference, professional position, status, conflict, suspicion, and the need to protect our own "patch" rather than seek the benefits of creating common understanding and going for a win-win approach. I am also aware that it is easy to be over simplistic about such an issue and disregard the extent of the "history" and past experiences that prevent one sector collaborating with another. In my view it is essential that we understand this history, whether we agree with it or not, before attempting to move forward.

#IS-100, Axel Duwe, Salinas, USA

**This is an experimental process.
It will evolve and succeed according to your use of it.**

Community Is Living Dialogue

Each community is an intersectoral dialogue. Each community represents a diversity of people, age, sex, occupation. These groups should be the power-brokers! Communities and human rights are essential - but then communities must join together through a common vision ... and march forth in a unified voice.

#IS-101, Susan Maxman, American Institute of Architects, USA

Resources Are Limited

Harmonization of all the sectors is the most significant. Listening patiently to the other's voice and making an effort to create consensus is required.

Address in Rio: Rio Palace Hotel
#IS-102, Masayo Hasegawa, The Sasakawa Peace Foundation, JAPAN

Windows on the Future

I am concerned, as A. Clements is, that we constantly wander off the futures route even though most of us would like to stay on it. We cannot work to create a future which we do not first imagine. An ecologically sustainable future requires that we try to imagine an ecologically sustainable world - sector by sector, piece by piece. If we can't imagine a future panorama then each of us can see a window-size piece. "Many windows on the future" will make a future panorama.

#IS-103, Peter Ellyard, Preferred Futures, AUSTRALIA

Word Limit!

What happened to the "not more than 50-words" request? Perhaps ideas should be put over as haikus!

We are pleased you noticed this. The chairman of this meeting referred to an earlier postal request for conceptual insights which could raise the level of intersectoral interaction. We're incorporating some of these responses into the Da Zi Bao.

#IS-104, Da Zi Bao

Existing Inter-Sectoral Dialogues

These organisations are already conducting intersectoral dialogues on the local, regional and international levels:

Global Tomorrow Coalition,
tel:+1 202 6284016

Int'l Institute for Sustainable Development, tel:+1 204 9587700

U.N. Environmental Programmes,
tel:+33 1 40588850

Canadian Round Table,
tel:+1 613 9927189

Globe '94, tel:+1 604 6668020

Global Action Plan for the Earth,
tel:+1 914 6578044.

In Rio I'm at the Hotel Gloria, Room 462, tel: 2228300.

#IS-105, Patrick McNamara, Business and Organizational Transformation Networks, USA

Simple Questions

Before we leave we have to ask ourselves some basic questions and have answers for them. How much have we moved from monologues to a genuine dialogue? What are we concretely committing to do to ensure a continuation of this experiment? What are from this meeting the lessons we can bring back to our communities in order to ensure our experience benefits others?

In Rio tel: 2571864 ext. 503

#IS-106, Mario Lavoie, Youth 92 - Jeunesse 92 - Juventus 92,

Women are Wonderful

I feel women are crucial in the shift from an economic to a cultural, spiritual and humanistic world-view. In business, women lead with the qualities of intuition, caring, respect, love, inclusivity, participative, processes, etc.
#IS-107, Patrick McNamara, Business and Organizational Transformation Networks, USA

Listening To Each Other

I was frustrated yesterday by the plenary sessions. At times I felt we were not listening to each other. I especially feel this when we take a list of speakers and by the time the eighth person speaks, the subject has changed. I wish we could focus on one theme at a time.

#IS-108, Patrick McNamara, Business and Organizational Transformation Networks, USA

Design Principles For Sustainability

These are the principles Hannover asked us to prepare for all designers who may be involved with the World's Fair of the year 2000 - they may help you see our concerns about the current state of design.

1. Insist on rights of humanity and nature to co-exist in a healthy, supportive, diverse and sustainable condition.
2. Recognise interdependence and distant effects. The elements of human design interact with and depend upon the natural world.
3. Respect relationships between spirit and matter.
4. Accept responsibility for the consequences of design decisions upon human well-being, the viability of natural systems, and their right to co-exist.
5. Create safe objects of long-term value. Do not burden future generations with requirements for maintenance or vigilant administration of potential danger.
6. Eliminate the concept of waste. Evaluate and optimize the full life-cycle of products and processes.
7. Rely on natural energy flows, particularly our perpetual solar income.
8. Understand the limitations of design. Practice humility in the face of nature. Treat nature as a model and mentor, not as an inconvenience.
9. Seek constant improvement by the sharing of knowledge.

#IS-109, William McDonough, American Institute of Architects, USA

Real Dialogue

What is the nature of a true conversation? Can you reach new understanding if you hold your own perspective? How can discourse move beyond the war metaphor? What other metaphors underly our discourse? Can we come to understand discourse as a journey of unfolding our distinctions, bringing forth our world in the quality of our intentions. *#IS-110, Kathleen Forsythe, CANADA*

Information Is A Reusable Resource

To bring conceptual insights across sectors, one needs to appreciate the role of information. The first task is to accept the information is the one reusable resource on which progress in the world can depend. To this end and to increase the awareness of environmental and developmental issues, the United Nations should foster the development of certain, international multimedia productions. The educational aims of these multimedia products will be consistent with those elaborated at UNCED. Multimedia, such as video and audio, should be used so as to increase the attractiveness of the message to the largest possible number of people. For instance, certain music videos and computer games should be commissioned.

#IS-111, Insight Level 1, Roy Rada, University of Liverpool, UK

Create A UN Multimedia Department

A United Nations multimedia department should be created which will include a television station. The station will broadcast in nationally relevant ways to as many nations as are willing to participate. Success in this effort will require coordination on several fronts. For instance, the television broadcasts must be made by highly-competent people whose products will capture both the mind and the spirit of the audience. This multimedia department must begin to anticipate the changes which will occur in the information world as televisions begin to merge with computers.

#IS-112, Insight Level 2, Roy Rada, University of Liverpool, UK

Interactive Multimedia

The new televisions will be high-definition televisions that people will buy initially simply because of the higher quality image on the screen. But these televisions necessarily have computers inside them, and these computers can support a new kind of television show. The user can interact with the show and provide feedback which effects the path of the show. This new dimension in the mass media will change the nature of society.

The possibilities of the new high technologies can facilitate the sharing of information. Particularly, interactive multimedia may bring the people of the world closer to a common view on the path to healthy development. With the right nurturing from the UN this new media can change the world for the better.

#IS-113, Insight Level 3, Roy Rada, University of Liverpool, UK

Embody Interdependence

We are all part of an interdependent global system. If all seek solutions that promote the well-being of all and intrinsically harm no one, our solutions

will be in harmony with one another, no matter what sector we focus on.

#IS-114, Insight Level 1, Lisinka Ulatowska, World Citizens, USA

Tune In To Natural Systems

The Brundtland Report states that the natural systems govern our world. If we tune into these (using our intuitive sense of right action or our "inner wisdom"), we find ourselves "in sync" both with other people and with systems of reality which make whatever is undertaken effective and constructive for people in general and the planet as a whole.

#IS-115, Insight Level 2, Lisinka Ulatowska, World Citizens, USA

World Marshall Plan

The above understandings can only be comprehended by living them. The World Citizens is promoting a World Marshall Plan through UNCED on the suggestion of UN experts in the field of international economic cooperation. The Marshall Plan would give each person on earth a supplementary income to be spent only on goods and services that support their individual development and do not harm any one else or the planet. This would encourage people to develop an inner sense of "right action or inner wisdom".

The World Marshall Plan would within a few years turn around the poor economies; create a supplementary economy which would focus on health-giving products and services; and enable those dealing in non-renewable or polluting resources, or offering services which promote addictive behaviour, to gradually redirect their economic activity without lay-offs or violence of any sort.

The Marshall Plan actually generates the hard currency needed for its own implementation, using modern telecommunication technology and banking methods in innovative ways: the extra marketable goods and services ordered via the World Marshall Plan would, themselves, be the collateral for the currency, which would be less subject to inflation than the hard currencies of industrialized nations because it could be more closely adjusted to existing supply and demand.

The system places the decision-making regarding acceptable goods and services to be purchased through the World Marshall Plan in the hands of the people, using decision-making methods already in use in many communities. Administration would be through the UN. The very existence of such a Marshall Plan, as well as the recurring annual decision by every person as to how to spend their extra income, would provide an ongoing education in how to think as a responsible part of the global interdependent system.

The World Marshall Plan is available in Dutch and in an English translation sponsored by the Dutch Government. For more information, please contact the World Citizens UN Office, 170-40

Henley Road, #1B, Jamaica Estates, NY 11432, USA; tel: +1 718 658 5872.

#IS-116, Insight Level 3, Lisinka Ulatowska, World Citizens, USA

**This is an experimental process.
It will evolve and succeed according to your use of it.**

Efficient Redundancy

It seems important to realise the absurdity of modern (capitalistic?) economics which increases efficiency only to throw more people out of work. This must be recognised as the channelling of a superfluity of energy through the social system.
#IS-117, Insight Level 1, Michael Chance, formerly University of Birmingham, UK

Build Pyramids Instead

If the production of superfluous energy cannot be slowed down, it should be channelled into a suitable "pyramid" building activity which will vitalize the whole economy. All civilizations build the equivalent of surplus energy absorbers. Now that this activity is warming the planet, the next best activity would be building a set of space ships to capture the sun's energy and beam it to earth, as an ecologically sustainable way to generate energy. The project would take up to 100 years for each community of the west and give more time to see how to change the ideals of society to a more self-satisfied way of living.
#IS-118, Insight Level 1, Michael Chance, formerly University of Birmingham, UK

Self And Society

At a later point we need a properly thought out understanding of self and society. See Social Fabrics of the Mind, M.R.A. Chance, Lawrence Erlbaum Assoc., Hove, UK and 365 Broadway, Hillsdale, NJ 07642, USA, for a start on this biologically-based self-understanding. A group of us are working this and I can let you have the details if you wish (12 Image Road, Birmingham, UK B31 2DX).
#IS-119, Insight Level 1, Michael Chance, formerly University of Birmingham, UK

Capacity Building

Financing is one sector which seems to be a common ground for all the sectors. The NGO Taskforce proposes that governments take a three phase approach, as follows:
Phase I (1992-1996) would aim at capacity building and consciousness raising, equivalent to the one undertaken for the AIDS Campaign which has begun to reverse the course AIDS is taking in many countries. Financing mechanisms undertaken at this Phase would be low in cost and be chosen for their consciousness raising among a broad population base. In addition studies would be undertaken in this phase to prepare for more incisive financing mechanisms for Phases II and III. If this phase is successful the studies and financing mechanisms employed in Phase I will

reinforce one another and form a strong foundation for the next phases.
#IS-120, Insight Level 1, Richard Jordon, NGO Taskforce on Financing, PrepCom IV

New Directions

Phase II (1997-2005) would take place in a world where people would be significantly more aware of global interrelatedness and the need for individual change than they are today, both through the consciousness raising and the exacerbation of problems relating to unsustainable development. This period would be open to more stringent financing measures. In addition, a redirection of military resources and alleviating potential social unrest due to an inactive military. Phase II would see preparations to institute innovative financing mechanisms which would lead to a self-regulating sustainable world economy in Phase III.
#IS-121, Insight Level 2, Richard Jordon, NGO Taskforce on Financing, PrepCom IV

Economic Underpinnings

Phase III: Objectives are to implement economic measures resulting from:

- Insights produced during the Conference on Reevaluating the Structures Underlying the World Economy
- The implementation of the World Marshall Plan (ref. ISD#116, Insight by Utakowski).

Assuming Phase II has been completed successfully, the basis for action is:

- Substantial resources will be available through the Global Resources Bank.
- The results of the Global Conference on World Economic Structures for Sustainable Development and of the studies of Phase I will have been publicised and infrastructures will be in place for the implementation of new world economic structures.
- Citizens everywhere will after 12 years of consciousness raising meet in regular community and discussion groups which can communicate world-wide using modern tele-communication.
- The military of individual countries will have begun to lose its usefulness.

#IS-122, Insight Level 3, Richard Jordon, NGO Taskforce on Financing, PrepCom IV

Perceive Directly

Our social and environmental disintegration is a reflection of a relatively new self-perception, on perpetuated by a particular **structure of thought** and **strengthened by an unprecedented identification with technological knowledge**. Any plan to resolve our external state of crisis must

therefore begin with a corresponding inner change of perception.

#IS-123, Insight Level 1, Michael Mendizza, USA

Inner and Outer

Our physical body and perceptions participate with the environment. Change the environment and you bring about a corresponding change in perception. A deep change in inner perception will bring about a corresponding change in the environment.

The inner experience of being human and the outer environment are not separate, rather they co-exist in a state of mutual interdependence and adaptation. Any plan to resolve our personal/global crisis must begin with a new inner perception. The discoveries and insights of Pre- and Perinatal Psychology play a critical role in bringing about this new self-image, for implicit in this field is an appreciation of the non-verbal and universal nature of creative intelligence. It is only by recognising and developing this capacity in our children that they will have the cognitive and emotional sensitivity to solve the multi-dimensional crisis we have created.

#IS-124, Insight Level 2, Michael Mendizza, USA

Bonding For Creative Intelligence

A compelling argument can be made that our current assault on the environment, and each other, is the natural extension of a relatively **new self-perception**, one perpetuated by a particular **structure of thought** and strengthened by an unprecedented **identification with technological knowledge**. Any plan to resolve our personal, social and global crisis must therefore begin with a fundamental change in the human condition which created the crisis. This change must be personal and global, beginning with each individual and impacting all of humanity through our relationships with children.

Our most pressing social, economic and ecological challenges, ranging from substance abuse and teen pregnancy to gang violence and illiteracy have a common root; a **fundamental breakdown in the perception of being related**. The source of this crisis emanates from the most sensitive period of a child's life, from conception to five years of age. It is during this time that lifelong patterns of physical, mental and emotional well-being are established. Bonding and imagination combine to create the foundation for empathy and creative intelligence. These forces must be systematically re-introduced into the environment we call childhood. This will bring about a profound change in perception which is essential if we are to respond to the mounting challenges we face.

#IS-125, Insight Level 3, Michael Mendizza, USA

Several First Steps

By reducing consumption and waste, and by creating resources from unharnessed natural sources; food and health: by following low impact diets (such as macrobiotics) with savings of ten or more times in food resource, simultaneously preventing most of the diseases of modern times; by adjusting lifestyles towards creating and preserving resources rather than profligate consumption, and avoiding conspicuous consumption, status symbols, and excesses; by intelligent, thermal insulation in colder climates in domiciles, transport, clothing; by moving to hot climates during winter (as the birds do) and creating resources by using sunlight instead of consuming stored sunlight.

#IS-126, Insight Level 1, Harry Hart, Bury St Edmunds, UK

Marine Plankton Biomass

Since most of life is to do with hydrocarbons and carbohydrate, I propose the absorbing of carbon dioxide from the atmosphere using micro-organisms to establish a continuous carbon cycle in the global use of fuels. Fed on diluted seawater, tiny plantforms multiply a million times faster than trees (literally), help to resolve global warming, and provide massive biomass from which foods, fuels, fertilizers, fibres, medicines and materials can be produced very cheaply and without chemical or fossil fuel inputs.

Plants would operate continuously from coastlines around the hotter areas of the world and seasonally during the longer days towards the poles. In cash terms the yields could be considered to be around £1,000 per acre per day, with running costs and inputs at about 1% to 5%. Sufficient for all.

#IS-127, Insight Level 2, Harry Hart, Bury St Edmunds, UK

Natural Resource Base

The establishment of a new resource base for the planet sufficient for any likely increase in population and to supply more than adequate provision for the next millennium or two. The global reserves of hydrogen, oxygen, carbon, nitrogen and all other essential minerals is of gigantic proportion and if harnessed with natural cyclic systems in harmony with the natural functions of the planet can provide limitless resources virtually indefinitely. This is a fact to become apparent to any who study it sufficiently, and is quite simple.

Individuals, nations, and the planet as a whole, dedicated to the creation on resources from the micro to the macro by working in harmony with natural systems, and by linking exponentials of growth in nature together, one to another to another, have the ability to provide massive resources once the concept has become fixed in the mind of humankind. The ultimate possibilities can be calculated to be beyond belief and include space travel and the building of further earth-sized planets in orbit around the sun. It is of that proportion.

Firstly we have to abolish violence, per se, and learn to live by creating resources (as above) as if the whole of humankind were one person, all mutually responsible for all; globally, nationally, and individually. In practical terms such possibilities are easily attainable if humankind could develop the understanding and the will to work together, together.

#IS-128, Insight Level 3, Harry Hart, Bury St Edmunds, UK

**This is an experimental process.
It will evolve and succeed according to your use of it.**

Proposal

Create a number of structures and processes for the best possible balance between individuals and organisations. The combination of individuals in innovative roles and groups in creative formations will provide the balance necessary for heightening the mental, emotional and spiritual energies of everybody present.

Philosophical Rationale

Politically and collectively, humanity is stuck with national, territorial, governmental and top-down thinking of mandates, appointments and paid jobs. Psychologically and individually, as well as in people's movements, we want to raise our consciousness and express our feelings in bottom-up ways. As a macrocosm of the world's citizens meeting their governments, the Earth Summit provides the challenge to

- * model a global and multi-cultural community never experienced before using both indigenous wisdom and modern technology
- * balance top-down with bottom-up structures of communication by creating "networks"
- * create new learning processes for self-organisation
- * explore the sustainable use of natural resources by fostering the inexhaustibility of human creativity.

In governmental and non-governmental meetings alike, it is the mental, emotional and spiritual energy of each individual that determines the quality of the group experience. The larger the group, the stronger the group energy and its potential destructive or healing effect on the individual. The energies of groups in meetings are largely determined by:

- the harmonisation of vision and agreement on purpose
- ample opportunities for expression of ideas and feelings
- easy access to information from and about all participants.

Individual Roles

Individuals are to be **invited** and can be **self-appointed** into continuously growing and changing teams of:

- * **elders** or wise women who watch what the 'kids', in particular the "boys", are doing
- * **focalisers** or empowering chairpersons who are experienced in group facilitation
- * **process observers** or loving watchdogs who monitor the balance of individual and collective energies in group meetings
- * **ombudsmen** or general problem solvers
- * **shamans** or priests who help groups through ceremonies and rituals
- * **politicians** or promoters who campaign for causes and issues
- * **organisers** or entrepreneurs who set up meetings, discussion group or make anything else happen
- * **context and concept creators** or holistic thinkers who articulate overall views and perspectives
- * **networkers** or messengers who transport information between groups
- * **linkers** or hosts who see connections between people and introduce them to each other - possibly by setting up meetings
- * **visionaries** or seers who share their visions, dreams, ideas, inspirations and insights
- * **doers** or activists who are willing to do there and then whatever it is that is required to help the event towards higher and higher levels of achievement
- * **resource people** who know where is what physically and materially.

#IS-129, Insight Level 1, Sabine Kurjo McNeill, Networker, UK

Groups

Time and space is to be allocated for regular as well as spontaneous groups of

- * core groups of **elders** who monitor or mastermind the structures, processes, energies and resources of the events; balanced between politically appointed and spiritually motivated people
- * **family groups** or emotional sharing circles to experience feelings of belonging in a strange environment
- * **peer groups** of focalisers, process observers and other "equals"
- * **linkage groups** of visionaries, activists and other "opposites"
- * **networking groups** to share ideas, information, impressions and contacts for the sake of sharing
- * **intellectual sharing circles** to process ideas and information
- * **workshops** in confidence building, communication, public speaking...
- * **continental or regional groups** for people to come together from the same geographical areas
- * **affinity groups** based on attraction and affinity.

#IS-130, Insight Level 2, Sabine Kurjo McNeill, Networker, UK

General Guidelines for Productive Dialogue

1. People and their feelings matter most.
2. Ideas and information are food for the mind just as quality listening and focused attention are food for the soul.
3. The use of "talking sticks" or "talking stones" is to be encouraged as the most natural way of balancing self-expression with listening and giving every body equal chances.
4. A moment of silence at beginnings and ends of meeting and in particular in case of conflict.
5. Creative ways of people introducing themselves, each other or being introduced by a host maximise "who's who" knowledge.
6. Creative ways of labelling with badges, through personal and professional profile forms, sandwich posters as well as public information on notice boards, newsletters and computer conferences or data bases.
7. Small groups of up to seven formed within large groups to allow for maximum self-expression.
8. Consensus rather than voting for decision-making.

#IS-131, Insight Level 3, Sabine Kurjo McNeill, Networker, UK

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Challenges to Our Comprehension and Action

The crisis that has finally provoked the present conference can be defined as the point at which "we" must **decide** whether to turn insight into action or to risk mankind's unmaking. [By "we" I refer mainly to us in the 'West', enjoying high standards of material development; imbued with the Judeo-Christian or, more generally, a monotheistic tradition; and, steeped in scientific modes of thinking.] What is needed to respond reasonably to the crisis is not so much further insight-knowledge-information about the fragility of the external world. It is rather insight into, and subsequently control over, "our" motives for doing what we are doing or refrain from doing and for overlooking what we don't want to see.

'Limits to growth' has fundamental implications for the kind of progress humans can seek. Only a few practical consequences have been drawn so far, and no coherent manner of acting appropriately has yet been conceived. We should be **able to agree** that there really is a **gap between understanding and action**. We should also be able to agree that this shortcoming is serious, deserving continuous priority attention. We need to admit publicly that we have grasped more about the threat of the real situation than we have yet been capable of translating into action.
#IS-132, *Insight Level 1, Gerhard Kutsch, FRANCE*

Security and Economic Growth

Economic Growth coupled with, and even dependent on the Compulsion to Consume, is widely believed to be the fundament on which a life that provides a feeling of security can be built. But economic processes anchored in this belief are not easily compatible with a world in which material resources are finite:

- We should be **able to agree** that the amount of **economic growth** we can allow ourselves to aim for is in some (not necessarily linear-simplistic) way **delimited** by the ascertained future **supply of material resources** - otherwise it may not be sustainable for very long.

- We should be **able to agree** that ensuing restrictions, if burdens are **not distributed adequately**, will make **life itself** in many poor societies less and **less sustainable**. Pointing to a common danger to our globe is not an alternative to seeking substantive improvements to the disequilibria in North-South relations.

- We should be **able to agree** that our fears of inadequacy are not curable by making somebody else look less good/rich than ourselves.
#IS-133, *Insight Level 2, Gerhard Kutsch, FRANCE*

Science Cannot Explain Everything

Science together with technology tends to be represented as being able to perform, with unerring certainty,

transformations of the world around man into possessions serviceable to him. 'Science' can then be prized as a defence against the vagaries of Nature; seemingly, it also frees man from having to shoulder responsibility for what he does. A rationality that takes the earth's uniqueness and finiteness into account cannot promise such dispensations:

- **We should become able to agree** not only that science cannot explain everything, but rather, that **scientific explanations** have the potential to impede our insights into the conditions governing the one experiment that can **not** be repeated, i.e. living our lives. A case can be made for the necessity of intellectual development aid to industrialised countries. If not, radicalisation, fundamentalist fervour and social decay may eat even faster into the disappearing resources of our globe.

#IS-134, *Insight Level 3, Gerhard Kutsch, FRANCE*

Psychological Scarring of Babies

The International Society for Prenatal and Perinatal Psychology and Medicine (ISPPM) is urgently concerned about one of the most critical problems facing humanity at this time: the direct diminishing effects of displacement through wars, famines and global ghettoizations forced upon under-supported mothers and future generations of humanity which they are supposed to be nurturing: whatever disruptions, tragedies, and traumas are being experienced by mothers during pregnancy are encoded into the personality of their babies.

Diminishing, devastating patterns of fears, terrors and panics experienced by mothers during pregnancy become the emotional platforms of their children's lives. As there is an unprecedented acceleration of these devastating patterns, moment by moment babies are born with unbearable scarring which are becoming the collective consciousness of humanity. Mothers are deprived of their most basic instinct and human right: to bear, nurture, support and raise their babies in safety, security and emotional richness and stability.

"Remember that the prenatal stage of life is our first ecological position as human beings. This is our first human encounter where we as children found ourselves involved in a creative dialogue with our mothers and their biological, psychological and social environment." (Prof. Dr. Peter Fedor Freybergh, ISPPM).

#IS-135, *Insight Level 1, John Richard Turner, Institute for Whole-Self Discovery, THE NETHERLANDS.*

Government Action to Reduce Birth Trauma

"(It is necessary) to bring to the world better thermodynamical understanding of unity and regulations which rule both the micro and macrocosmos, matter and energy, psychology and medicine. Public policy is an essential support in understanding the phenomena (of

pregnancy); putting in proper perspective procreation relative to all other human activity." (Prof Rudolf Klimek, President of ISPPM)
#IS-136, *Insight Level 2, Insight Level 2, John Richard Turner, Institute for Whole-Self Discovery, THE NETHERLANDS.*

Healthy Birthing

"Every baby should be born a healthy baby...through: use of appropriate (birthing) technology; international communication to enhance quality of care: maternal nutrition as a means of improving perinatal outcome; and the World Health Organisation (WHO) safe motherhood initiative...". (J.J. Soiarra, International Federation of Gynaecology and Obstetrics (FIGO).
#IS-137, *Insight Level 3, John Richard Turner, Institute for Whole-Self Discovery, THE NETHERLANDS.*

Localising the Environment and Development Debate

Why (on earth) have another conference on the environment and development. This question was central to the small group of people responsible for designing and organising the London Earth Summit Conference. We felt there was little to be gained from generalised discussion about the problems of the world. However terrifying or urgent these problems might be, running through the statistics of poverty, exploitation, or environmental degradation would add much to the energy and initiative of the participants. As Wendell Berry declared in Fourth World Review (49) "Properly speaking, global thinking is not possible.... (it)...can only be statistical." We felt that the key to the day was with the participants themselves - whether they were left at the end feeling enriched, more active, more connected to actual people (rather than abstract "networks" of distant contact), more aware of their immediate circumstances, conscious of what was possible (as well as what was not), and maybe angrier to boot. #IS-138, *Insight Level 1, Simon Zadek, United Nations Association, London Region, UK*

Producing "Realness" and Activity

In giving people space to set their own agendas, within a forum that generally brings forward images of rainforests, deserts, and caricatures of people's misery, it was possible to gain some insight into the complex rough-and-tumble that underpins our energy and actions. Rather than reaching some neutral consensus on how much people wanted to save the planet (and maybe the odd person too), there was a real sense of who the participants were and what were their day-to-day concerns. Most astonishing of all was that by the end of the day there were a set of very clear statements about what (some) participants wanted to say to the Rio Summit, what (some) participants wanted to happen after the Rio Summit, and what (some) participants were going to do concretely themselves. There was no attempt made to reach "consensus" about all the statements, but there was an amazing degree of respect between the participants for each other's suggestions and commitments. This respect, I would argue emerged because people had faced the fact that the diversity of interests and perspectives was a real and positive part of the process, however uncomfortable that diversity might often be at a deeply personal level. #IS-139, *Insight Level 2, Simon Zadek, United Nations Association, London Region, UK*

A Map to People's Fantasies

So what is why there was another conference on the environment and development, and that is why there should be another and another. What they are called does not overly concern me, because any topic can be part of a map to people's fantasies and energies. What is important is the approach, which must be aware and respectful of wider and often global issues. However, it must also work with the understanding that the visions that lead people to inspired actions often arise through the direct and intimate insight into other people's world rather than an abstract understanding of the facts. #IS-140, *Insight Level 3, Simon Zadek, United Nations Association, London Region, UK*

The State of the Magnitude

insert figure

Finite Global Energy Renewals of Human Magnitude

1 GAIA = 40 TW (photosynthesis)
Solar radiation = 4325 GAIA
Humankind (1990) = 0.3 GAIA
#IS-141, *Insight Level 1, Pentti Malaska, World Futures Studies Federation, FINLAND*

The Challenge

The use of natural forces, matter and space on terms set by Man for his own benefit must be adapted to the ecological entity of which it is a part. This must be carried out according to the principles which ecological development has shown to be current and sustainable. The recycling use of matter and the many-stage use of exergy must be established into our technical way of life; and the requisite exchange of entropy with the ultimate environment must be safeguarded. #IS-142, *Insight Level 2, Pentti Malaska, World Futures Studies Federation, FINLAND*

Radical Breakthrough

insert figure

Key Concept and Arms of Development

#IS-143, *Insight Level 3, Pentti Malaska, World Futures Studies Federation, FINLAND*

Pollution of Nature

Industry must develop and introduce methods which eliminate effluents of harmful materials into the atmosphere from electric (atomic) power stations and other industrial enterprises. This concerns first of all oxides of sulphur and nitrogen, and CO₂ and thermal pollution. #IS-144, *Insight Level 1, Vladimir Kabakov, Power Engineering Institute, Moscow, RUSSIA*

New Energy Technologies

We must develop new, ecologically clean methods of producing energy and heat including the use of solar, geothermal, wind, wave, tidal, small hydropower station, biogas and other. #IS-145, *Insight Level 2, Vladimir Kabakov, Power Engineering Institute, Moscow, RUSSIA*

Pollution of the Inner Human World

We must introduce all the ideas to eliminate "pollution" in life into society, industry and personal life of people. Media and literature must stop the propaganda of violence, especially for children. Within human society we must create not only a good "atmosphere", for every man, and also good relationships between countries and states nations and religions, cultures and societies (including sexual difference). #IS-146, *Insight Level 3, Vladimir Kabakov, Power Engineering Institute, Moscow, RUSSIA*

Public Policy Dilemmas

Super-optimizing policy analysis is a new and exciting approach to dealing with public policy dilemmas whereby conservatives, liberals and other major viewpoints can all come out ahead of their best initial expectation simultaneously. It should be useful for resolving the dilemma of economic development versus a clean environment in developing nations. Below is a table entitled "A Super-Optimising Solution (SOS) Analysis of Economic Development versus a Clean Environment in Developing Nations".

It summarizes in table form some of the basic concepts. The basic alternatives are on the rows. The goals to be achieved are on the columns. Relations between alternatives and goals are shown in the cells tentatively using a 1-5 scale, where a 5 means highly conducive to the goal, a 4 means mildly conducive, a 3 means neither conducive nor adverse, a 2 means mildly adverse, and a 1 means highly adverse.

Overall totals for each alternative are shown in the columns at the right. The first is a **neutral** column where all the goals are given a middling weight of 2 on a 1-3 scale of importance. The second column are **conservative** totals where the conservative goals are given a weight or multiplier of 3, and the liberal goals are given a weight or multiplier of 1. The third column the **liberal** totals in which the conservative goals are given a weight of 1, and the liberal totals a weight of 3. The conservative alternative wins on the conservative totals, and the liberal alternative wins on the liberal totals. The object is to develop an alternative that does even better on the conservative totals than the previous conservative alternative, and simultaneously does better on the liberal totals than the previous liberal alternative.

#IS-147, Insight Level 1, Stuart S. Nagel, Development Policy Studies Consortium, USA

SOS Is Realistically Possible

A good example of SOS relates to the ozone problem. Fluorocarbons are a serious threat, depleting the ozone layer and thereby causing a substantial increase in skin cancer through the world. The solution was **not** to rely on an unregulated marketplace which normally provides almost no incentives to manufacturers to reduce their pollution. The solution was **not** regulation or prohibition which tends to be evaded, expensive to enforce, and enforced with little enthusiasm given disruptions that might occur to the economy. The most exciting aspect of the solution (although the problem is not completely solved) was the development of new aerosol spray propellants which are less expensive for manufacturers to use and simultaneously not as harmful to the ozone layer.

That kind of solution tends to be self-adopting since manufacturing firms, who might otherwise be polluting the

environment, now have an important economic incentive to adopt the new low-polluting methods because they reduce expenses. This approach does, However, require substantial research and development (R&D), varying with the manufacturing process. It may mean substantial government subsidies for R&D; contrasted with paying the polluters not to pollute, which is often more expensive and ineffective if they take the money and pollute anyhow. The business firms generally do not have capital for that kind of research and development, or the foresight or forbearance which public policy and governmental decision-making may be more capable of exercising. That includes international governmental decision-makers, as well as those in developing nations.

#IS-148, Insight Level 2, Stuart S. Nagel, Development Policy Studies Consortium, USA

Communicate Solutions

In the case of Brazil, for example, this may mean R&D to make better use of the rain forests as a source of low-polluting fuel for industries - that is instead of wastefully burning off the rain forests and thereby having an adverse effect on global warming. The rain forest could conceivably be harvested as if they were a form of coal mine and possibly even analogous to harvesting crops. The carbohydrates could be economically converted into relatively clean fuel. This would be an expansion of the idea of ethanol as a source of fuel for running automobiles. Money invested into that kind of research could simultaneously aid Brazil in its economic development and in having a cleaner environment for both Brazil and other parts of the world.

#IS-149, Insight Level 3, Stuart S. Nagel, Development Policy Studies Consortium, USA

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Qualities of a Sustainable World Civilization

Global action for environment and development must be rooted in universally accepted values and principles. The search for solutions to the world's grave problems must go beyond technical-utilitarian proposals and address the underlying causes of the crisis. Genuine solutions will require consultative skills and a globally-accepted vision for the future, based on unity and willing cooperation among the nations, races, creeds, sexes and classes of the human family.

In order to reorient individuals and societies toward a sustainable future, we must recognize the following:

- Unity is essential if diverse peoples are to work toward a common future. In the Bahá'í view, "The well-being of mankind, its peace and security, are unattainable unless and until its unity is firmly established."

- The unrestrained exploitation of natural resources is a symptom of an overall disorder of the human spirit. Any alternative must, therefore, be rooted in an approach which fosters spiritual balance and harmony within the individual, between individuals, and with the environment as a whole. Material development must serve not only the body, but the mind and spirit as well.

- The changes required to reorient the world toward a sustainable future imply degrees of sacrifice, social integration, selfless action and unity of purpose rarely achieved in human history. These qualities have reached their highest degree of development through the power of religion. Therefore, the world's religious communities have a major role to play in inspiring these qualities in their members, releasing latent capacities of the human spirit and empowering individuals to act on behalf of the planet, its people, and future generations.

- Nothing short of a world federal system, guided by universally agreed upon and enforceable laws, will allow nation states to manage cooperatively an increasingly interdependent and rapidly changing world.

- Development must be decentralized in order to involve communities in formulating and implementing the decisions and programs that affect their lives. This would complement a global governance system to ensure that developmental processes are adapted to the planet's rich cultural, geographic and ecological diversity.

- Consultation must replace confrontation and domination in order.

- Only as women are welcomed into full partnership in all fields of human endeavor will the moral and psychological climate be created in which a peaceful, harmonious and

sustainable civilization can emerge and flourish.

- The cause of universal education deserves the utmost support. Such an education should promote the consciousness of both world citizenship and the integral connection between humankind and the world of nature.

#IS-150, Insight Level 1, Lawrence Arturo, Bahá'í International Community, USA

Principle of Oneness of Humanity

It is essential to lift the context of deliberations on humanity's future to a new level -- to the **level of principle**. Only discourse at the level of principle has the power to invoke a moral commitment, which will, in turn, make possible the discovery of enduring solutions to the many challenges confronting a rapidly integrating human society. Any well-intentioned group can, in a general sense, devise practical solutions to its problems, but good intentions and practical knowledge are usually not enough. The essential merit of spiritual principles is that it not only presents a perspective which harmonizes with the inherent nobility in human nature, it also induces an attitude, a dynamic, a will, an aspiration, which facilitate the discovery and implementation of practical measures.

The principle of the **Oneness of Humanity** should be taught in schools, and constantly asserted in every nation as preparation for the organic change in the structure of society which it implies. No principle is more fundamental to the environmental and developmental challenges facing the peoples of the world than recognition of their common humanity.

Recognition of the principle of the **Oneness of Humanity** does not imply abandonment of legitimate loyalties, or the abolition of national autonomy. It calls for a wider loyalty, for a far higher aspiration than has so far animated human efforts. It clearly requires the subordination of national impulses and interests to the imperative claims of a unified world. It is inconsistent not only with any attempt to impose uniformity, but with any tendency towards excessive centralization. Its goal is well captured in the concept of "unity in diversity."

This will make possible the reorganization and administration of the world as one country, the home of humankind. Only when individuals see themselves as members of one human family, sharing one common homeland, will they be able to commit themselves to the far-reaching changes which an increasingly interdependent and rapidly changing world mandates.

#IS-151, Insight Level 2, Lawrence Arturo, Bahá'í International Community, USA

Restructuring The International Order

The available international legislative machinery and processes are proving inadequate, primarily because they are based on laws governing nation-states. The profound challenges facing humanity can be addressed only by a world federal system whose central organ is a representative world parliament empowered to create a code of universally agreed upon and enforceable international law. "The earth is but one country," Bahá'u'lláh asserts, "and mankind its citizens."

The present ad hoc process for creating and implementing international environmental legislation is well known to be slow, cumbersome and expensive; it can only become more unmanageable. Numerous proposals have been offered to provide global mechanisms to create and support a sustainable pattern of development. Some experts advise strengthening the existing UN system, others suggest creating new bodies such as an environmental security council, a World Court of environmental justice or an international environmental negotiating body.

However well-motivated and helpful such proposals are, it has become increasingly apparent that the establishment of a sustainable pattern of development is a complex task with widespread ramifications. It will clearly require a new level of commitment to solving major problems not exclusively associated with the environment. These problems include militarization, the inordinate disparity of wealth between and within nations, racism, lack of access to education, unrestrained nationalism, and the lack of equality between women and men. Rather than a piecemeal approach conceived in response to the needs of the nation-states, it seems clearly preferable to adopt an umbrella agreement under which specific international codes could be promulgated.

The Bahá'í Writings envision the world federal system proposed by Bahá'u'lláh as one "in whose favour all the nations of the world will have willingly ceded every claim to make war, certain rights to impose taxation and all rights to maintain armaments, except for purposes of maintaining internal order within their respective dominions." Such a world commonwealth will include a World Legislature, whose members will, as the trustees of the whole of mankind, ultimately control the entire resources of all the component nations. A World Executive, backed by an International Force, will apply the laws enacted by

this world legislature, and so regulate the life, satisfy the needs, adjust the relationships of all races and peoples and safeguard the organic unity of the whole commonwealth. A World Tribunal will adjudicate and deliver its compulsory and final verdict in all and any disputes that may arise between the various elements constituting this universal system." Under such a system, "a single code of international law" shall have as its sanction the instant and coercive intervention of the combined forces of the federated units of the world..." At the same time, "the autonomy of [the] state members and the personal freedom and initiative of the individuals that compose them [will be] definitely and completely safeguarded."

#IS-152, *Insight Level 3, Lawrence Arturo, Bahá'í International Community, USA*

People Have Become Pollutant

The present theory of population explosion is a mere scarecrow of high consuming affluent societies who are afraid to share their resource; it promotes the concept that "people are pollutant".

Birth and death are the transfer and transformation of materials in the biosphere. The former nucleates active positive forms out of primeval matters, while the latter clears the opera stage of "dead-wood". Death and decay are regeneration and the return of materials to the biosphere. Even though the mythologies of most primitive societies recognise the significance of birth, death and regeneration, modern technocratic society has lost sight of these principles and many of our present sociological and environmental problems are the consequence not only of our failure to control birth, but of the attempt to control death and pamper life indiscriminately beyond its basic needs and useful bounds.

#IS-153, *Insight Level 1, K.C. Sahu, Indian Institute of Technology, Bombay, INDIA*

Caught on the Wheels of Consumerism

In an anthropocentric society people are prime resources and a positive force of growth and development. Thus birth had always been greeted with joy and celebration. How and when did an addition of extra hand in family or society lose its significance?

By the early 21st century, urban gravitation of population in most developing countries will account for half of the total population. Urban migration typically results in the transformation of primary producers to active consumers. Self-centred interest, supported by strong mass communication media advertisement (Aldous Huxley used to call it pernicious adult education) and modern technology, accelerates this producer-consumer transformation; the consumerism virus has penetrated deep into even the remote corners of the world. The primary producer becomes

a rarer species and the value of a man in our society increases directly with the distance he maintains from the primary resources. Thus people become pollutant in a society on wheels of consumerism.

#IS-154, *Insight Level 2, K.C. Sahu, Indian Institute of Technology, Bombay, INDIA*

Environmental Education Is The Right Contraceptive

Today more than 60% of the earth resources is being enjoyed by a favoured 20% of the people. More than half of the resources are being spent directly or indirectly by states and nations to protect themselves from one another. The menace of greenhouse gases, global warming or deozoneation are results of human activities, without which life can be easily sustained on the earth. There is still enough land which when conditioned can produce food, fodder, fibres and fuels; 3/4 of earth's surface - the ocean - is yet to be tapped adequately for sustenance and shelter. We only harness a negligible fraction of solar and geothermal energy that surrounds us above and below. The present state of known and potential resources are adequate enough to easily sustain the 4.5 billions and many more to come for centuries provided equitability is maintained. "The earth has enough for everybody's need, but not for even few people's greed". If attention on population control is shifted to fostering a symbiotic life style, the impact will be longer lasting. Let environmental awakening be the primer of population stabilization and environmental education the right contraceptive. Sharing common resources can no more be considered an act of charity but of necessity today.

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