Now, the Time to Act!

Transition conforms to Nature: The IPCC AR5 warned that, as long as anthropogenic GHG emissions continue, so will the rise in global atmospheric temperature. So, to stabilise the climate, zero emission is ultimately the only solution. The amount of emissions permissible to keep the rise less than two degrees from pre-industrial levels, which is the aim of the UNFCCC, is no more than around 30 years if we continue present emission rate of 2010. Transformation to low-carbon society is an urgent necessity.

The moment to change is now: We currently find ourselves at a historical turning point. No county has ever experienced such a quick transformation. We have to address the most urgent challenge of transforming our high energy-consumption civilization that has developed over some 250 years, into a low-carbon society within the very short timeframe of only 50 years, and ultimately into a zero-emission society. We do not have much time left. Already, we see the impacts of climate change across the world, so we also need to create resilient local communities to adapt to the changing climate.

Major barriers to transition: Transition to low-carbon (LC) and resilient societies requires substantial changes at every level and on all occasions in our societies. There are major inertial forces in highly energy-dependent locked-in societies, which constitute serious obstacles to the changes. To replace urban infrastructure and production equipment, to modify the social system such as legislation, organisations and customs, and to change peoples' beliefs, thoughts and lifestyles will take a fair amount of time.

Overcoming hurdles by accelerating actions amongst multi-layered actors: The last anchors of taking action are (1) people in the community who consume energy and adapt to the impacts of climate change, and (2) business entities which use resources and energy to provide commercial products and services. To encourage these two parties to take action, we must also acknowledge the significant roles played other parties and encourage science (research) communities to accumulate knowledge, governments to create a system, local governments and cities to set venues and opportunities to meet, finance to provide funds, education system and NGOs to motivate people to act (through education in schools, mutual learning in society, and knowledge-sharing), and also ensure that international collaborating schemes and international organisations such as the UN set major frameworks. Only by promoting collaboration through close dialogues amongst those concerned, will rapid and effective transition occur. Dialogues can facilitate cooperative recognition (science-based results such as necessity of zero-emission and necessity of adaptation), consensus on transition process (target setting and course of actions), coordination amongst stakeholders concerned in implementation, and cooperation towards effective actions.

The Decade of Climate Action – getting started: In 2015, every nation will pledge to reduce emissions from 2020. Our future depends on how much we can accumulate and combine our wisdom and action within this time period. Therefore, we have to accelerate dialogues to facilitate those functions. We would like to propose **"Decade for Accelerating Transformative Action to Low Carbon Society: DATALoCS"**, to promote global action and ensure climate stabilisation.

DATALoCS

Decade for Accelerating Transformative Action to Low Carbon Society

A proposal to the international community
to wage a campaign of setting the next decade to accelerate action, at all levels and on all occasions worldwide,
to make the transition to low-carbon societies,
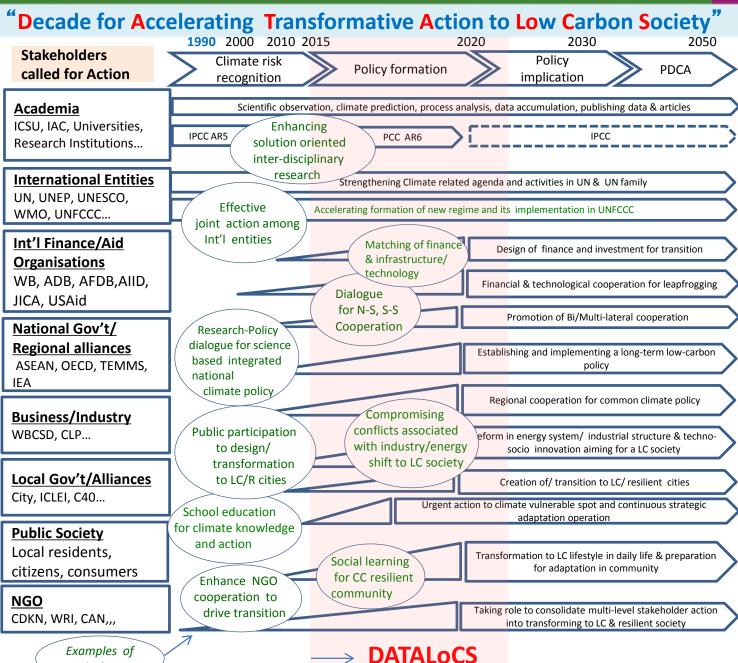as the next decade is critical to stabilise the climate

LCS·R Net   IGES   LoCARNet

Contact: International Network for Low Carbon Society Research
Institute for Global Environmental Strategies (IGES)
http://lcs-rnet.org/jp/

"Decade for Accelerating Transformative Action to Low Carbon Society"

	1990	2000	2010	2015		2020		2030		2050

Stakeholders called for Action

Climate risk recognition → Policy formation → Policy implication → PDCA

Function to be strengthened

Academia
ICSU, IAC, Universities, Research Institutions…

Scientific observation, climate prediction, process analysis, data accumulation, publishing data & articles

IPCC AR5 — PCC AR6 — IPCC

Enhancing solution oriented inter-disciplinary research

Knowledge creation/ assessment

International Entities
UN, UNEP, UNESCO, WMO, UNFCCC…

Strengthening Climate related agenda and activities in UN & UN family

Accelerating formation of new regime and its implementation in UNFCCC

Effective joint action among Int'l entities

Knowledge sharing

Int'l Finance/Aid Organisations
WB, ADB, AFDB, AIID, JICA, USAid

Matching of finance & infrastructure/ technology

Design of finance and investment for transition

Financial & technological cooperation for leapfrogging

Dialogue for N-S, S-S Cooperation

Promotion of Bi/Multi-lateral cooperation

Agent of change

National Gov't/ Regional alliances
ASEAN, OECD, TEMMS, IEA

Research-Policy dialogue for science based integrated national climate policy

Establishing and implementing a long-term low-carbon policy

Regional cooperation for common climate policy

Compromising conflicts associated with industry/energy shift to LC society

Financial function

Business/Industry
WBCSD, CLP…

Public participation to design/ transformation to LC/R cities

Reform in energy system/ industrial structure & techno-socio innovation aiming for a LC society

Local Gov't/Alliances
City, ICLEI, C40…

Creation of/ transition to LC/ resilient cities

Facilitation

School education for climate knowledge and action

Urgent action to climate vulnerable spot and continuous strategic adaptation operation

Public Society
Local residents, citizens, consumers

Social learning for CC resilient community

Transformation to LC lifestyle in daily life & preparation for adaptation in community

Social learning

NGO
CDKN, WRI, CAN,,,

Enhance NGO cooperation to drive transition

Taking role to consolidate multi-level stakeholder action into transforming to LC & resilient society

Examples of Action

→ **DATALoCS**

Urgent transition to a low-carbon and resilient world