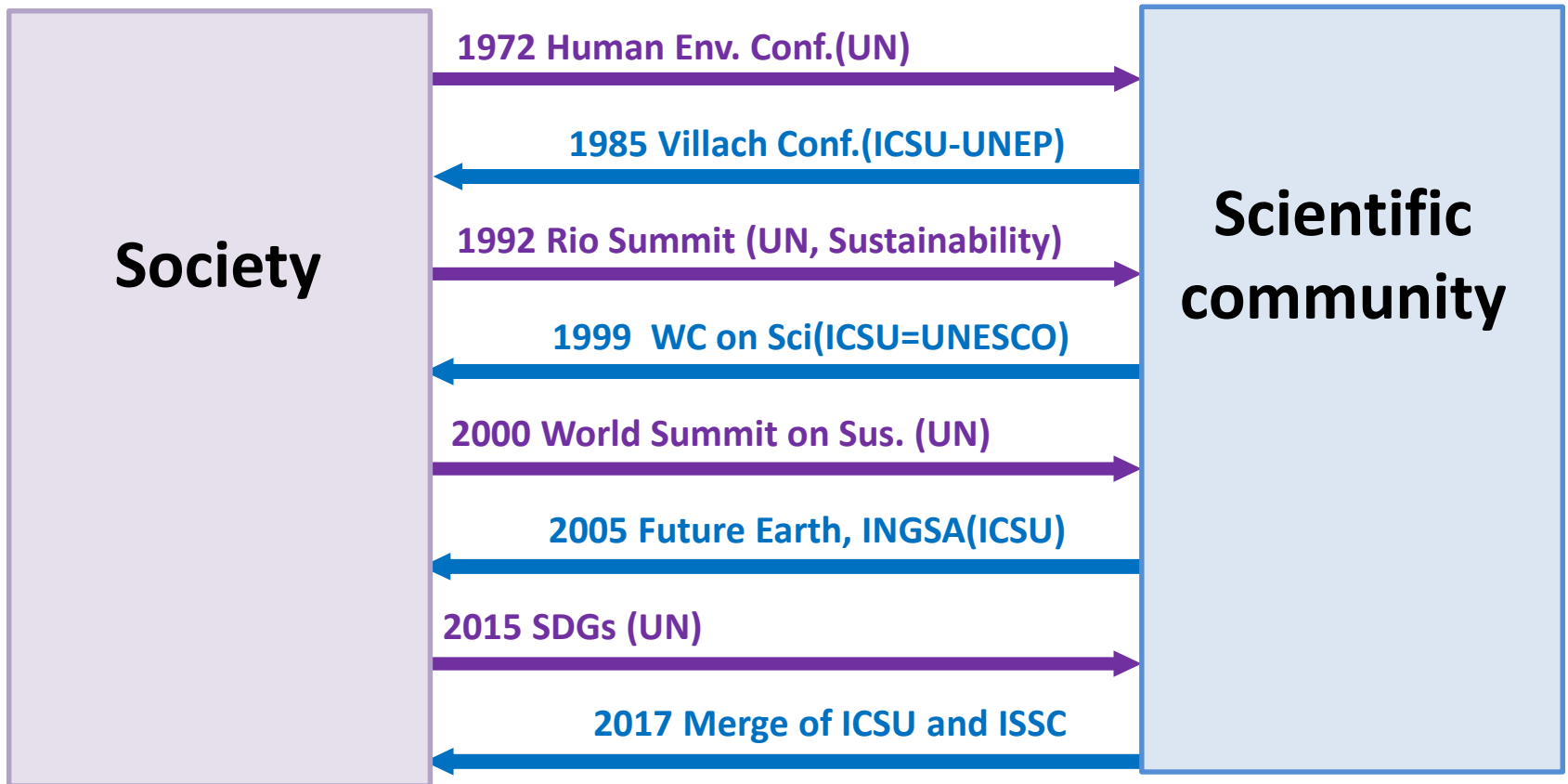


History of Dialogues between Science and Society

- 1972 UN Human-Environmental Conf. 【Various damages by pollutions】
- 1985 ICSU-UNEP Villach Conference----- 【Unified voice of Scientists】
- 1992 UN Rio Summit : Sustainable Development----【Request to Scientists, sustainability】
- 1999 ICSU/UNESCO World Conf. on Science--- 【Use of Knowledge; Science in society】
- 1999 ICSU General Assembly Cairo----【Confirmation of the Declaration of WCS】
- 2000 UN World Summit on Sustainability, Johannesburg----【Education for S. D.】
- 2003 ICSU “Revolution from warning to action” at GA, Rio de Janeiro
- 2015 ICSU Future Earth
- 2015 ICSU/WSF INGSA(Scientific advisors for Government)
- 2015 UN Sustainable Development Goals “SDGs”
- 2017 Merge of ICSU and ISSC (on going)

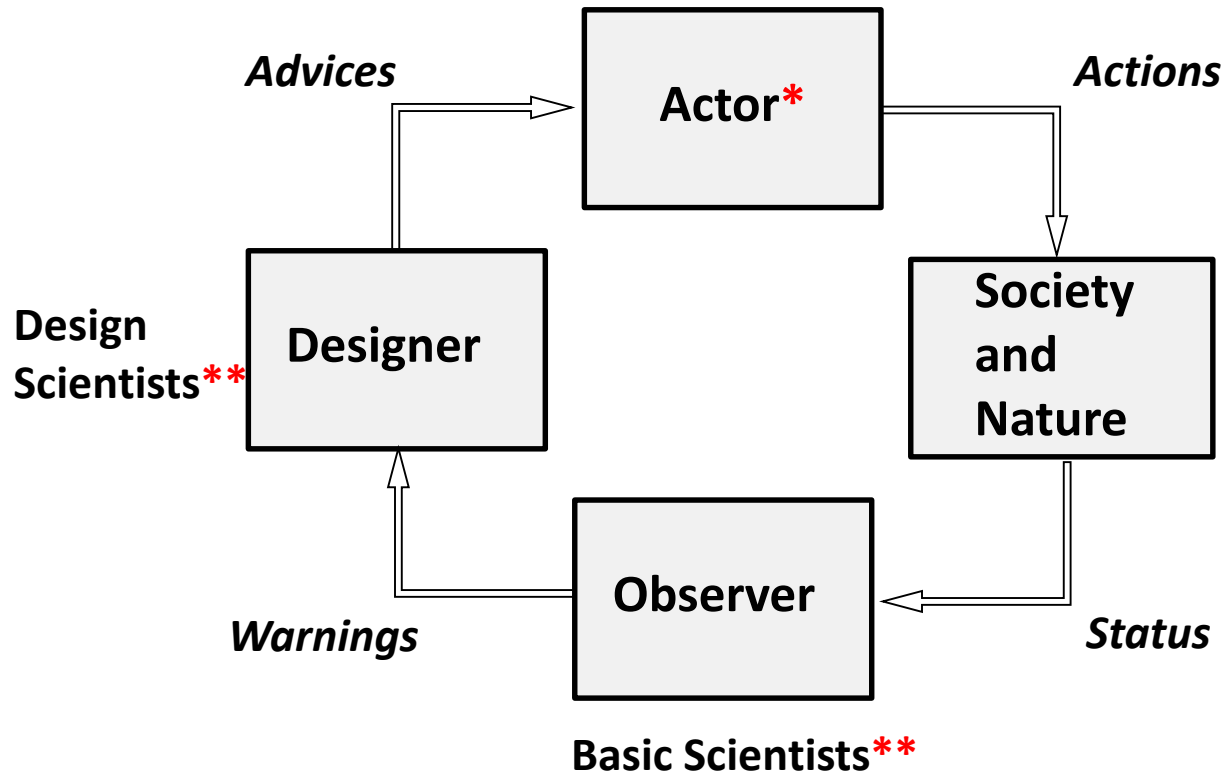
Repetition of Dialogues

It took 45years.



Basic **Social Loop** for “Sustainable Evolution by Piecemeal Abduction”

The loop includes observation and adaptation necessary for evolution.



*Actors in Society
are:
statesmen,
policymakers,
business humans,
administrators,
engineers,
educators,
medical doctors,
writers,
artists,
journalists, etc...
who move society.

****Scientists of all fields:
Natural, Social, Medical,
Agricultural**

Each block consisting
the loop is **socially
autonomous entity**.
(different from PDCA)

Loop of Climate Change

Global Warming

