



Views from nexus for the implementation of SDGs

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What is 'nexus'?

□ Latin, 'nexus'

- Act of tying together or something which binds.
In Japanese, 「連環」「関連」「関連性」

□ Nexus approach (Hoff 2011)

- that integrates management and governance across sectors and scales
- that reduces trade-offs and builds synergies across sectors

□ Definition of nexus

- Not agreed (yet) internationally or academically.



What is ‘nexus’?

□ Nexuses paid attention to

- Food-energy (UNU’80s), Water-food-trade (World bank’90s), Water-energy-food (Bonn conference2011, RIHN2013-), Water-land-energy (SEI), Water-soil-waste (UNU-FLORES2014), Energy-Environment-Ecosystems (3E Nexus Initiative PJ, Takeuchi), Resource nexus (UNEP IRP)

□ Features

1. Context of development
2. Content of international trade



Why now, 'nexus'?

1. **Context of development:**
boosted pressures and worsened problems
Integrated solution for satisfying human needs
and reducing environmental pressures
 - Ensuring accessibility to food, water, energy, etc.
 - Competition among resource developers,
increased pressures of using multiple resources.
 - Resulting environmental pressures
2. **Context of international trade:**
Control of embedded environmental burdens
 - Virtual water etc. has raised awareness.
 - Reduction of burdens through globalized supply chains.

SDGs: (a) Global goals that both developing and developed countries shall contribute to
(b) Development goals and environmental goals



Expectation for Japan and the world

❑ To reduce environmental pressures in globalized supply chains

Highly related to SDG12:

Sustainable consumption and production

❑ Expectation for stakeholders

- **Business**: “Responsible procurement and production” of raw materials and products

Information provision to consumers

- **Consumers**: Practice of “Responsible consumption”
(National/local governments included)

- **Administration • NPO**: Information provision and awareness arising of environmental pollution and social issues outside Japan caused by Japan’s activities through supply chains

