

River Restoration in Japan and role of Japan River Restoration Network

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Japan River Restoration Network (JRRN)

1. Overview of River Restoration in Japan



State of rivers as people's living, around in 1940s.

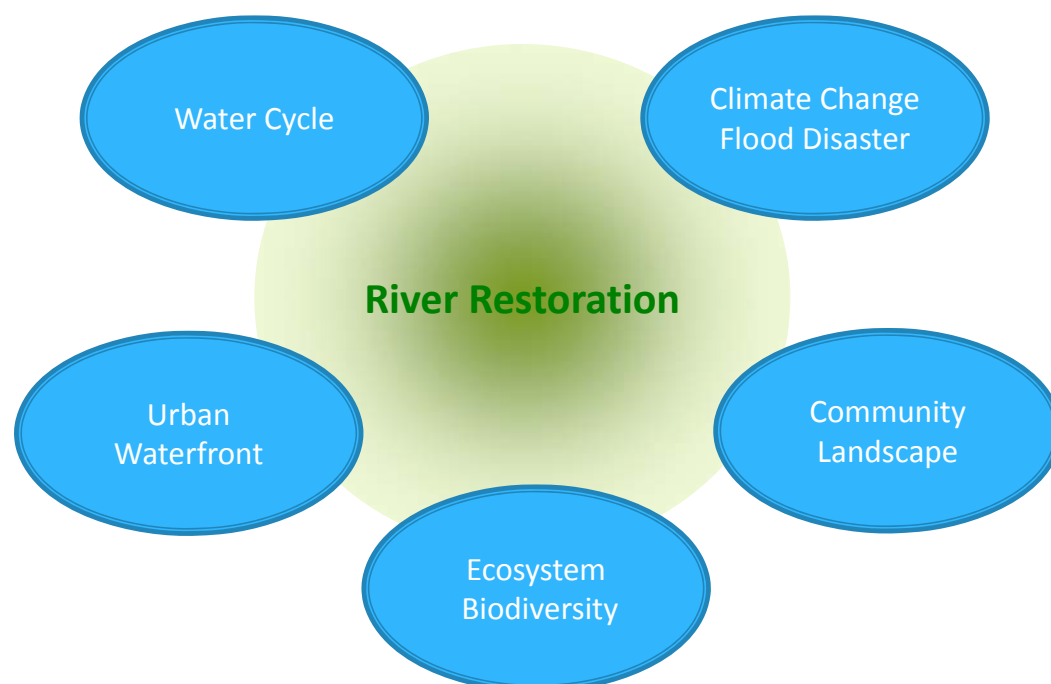


Japan River Restoration Network (JRRN)



River has deteriorated in the era of high economic growth (1970s).

What's River Restoration?

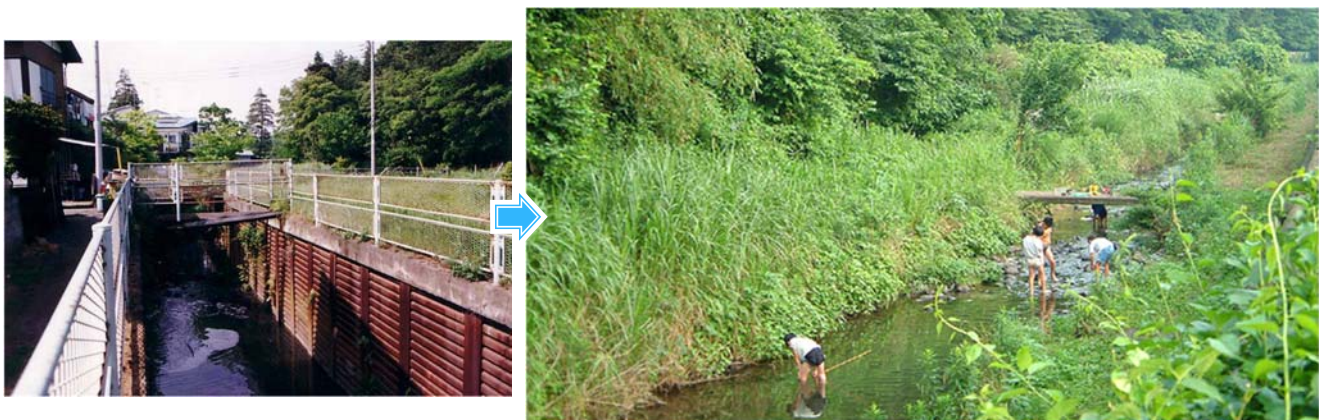


2. River Restoration Cases in Japan

Case 1. Ushizu river



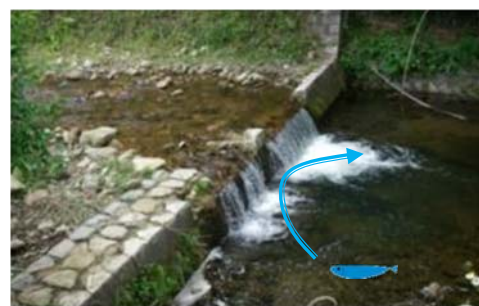
Case 2. Izumi river



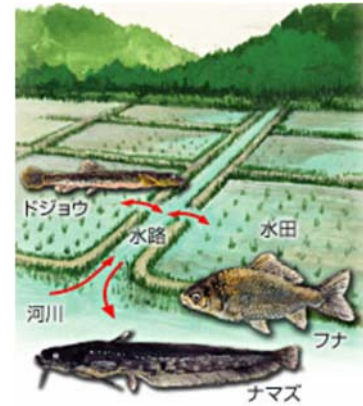
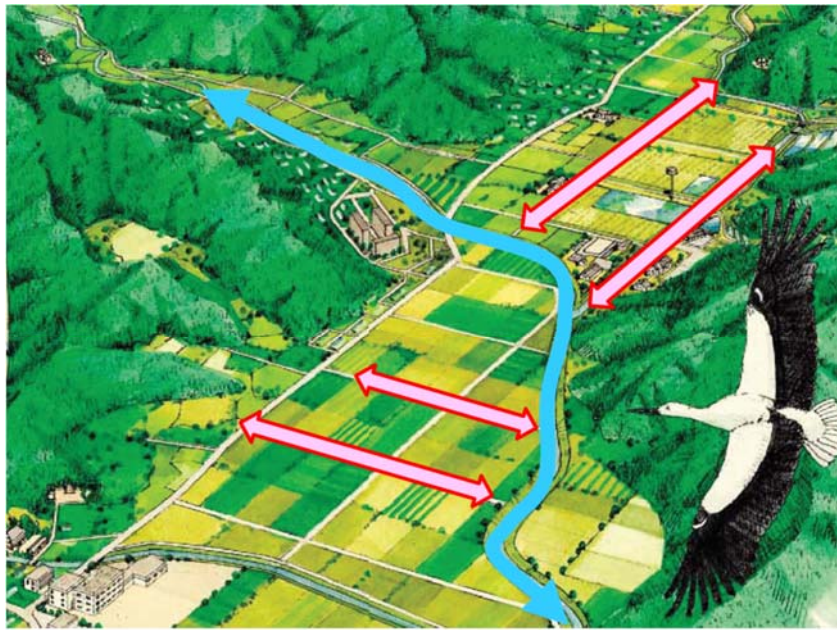
Case 3. Kushiro Wetland



Case 4. Maruyama River Basin



Case 4. Maruyama River Basin



Case 4. Maruyama River Basin



Storks are endangered species.



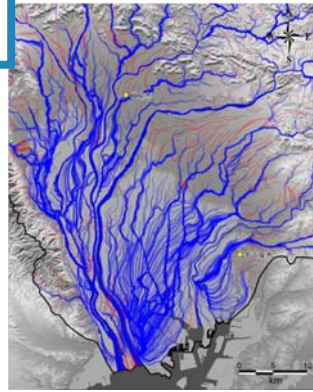
Local brand products featuring storks.

Case 5. Kiso river

— Surface water
— Ground water

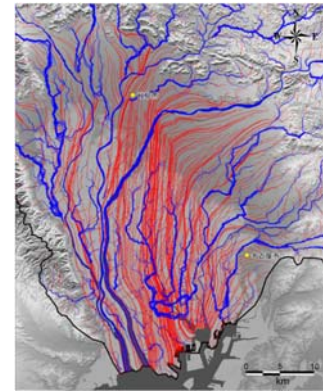
Surface of the earth

Natural Condition
(With water use)



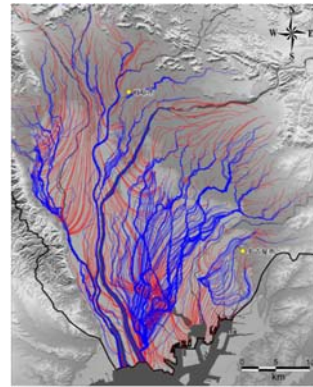
Surface of the earth

Current Condition
(Without water use)



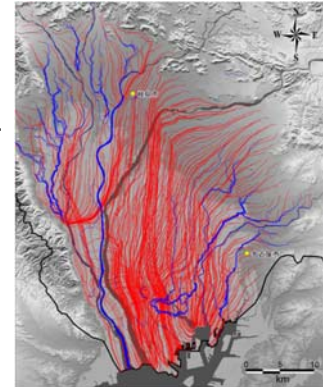
G1 gravel layer

Natural Condition
(With water use)



G1 gravel layer

Current Condition
(Without water use)



Case 6. The history of Sumida river restoration



Case 6. The history of Sumida river restoration



Case 6. The history of Sumida river restoration



Case 7. Kyobashi river



Case 8. Dotonbori river



3. Role of Japan River Restoration Network

About Japan River Restoration Network (since 2006)

- ✓ JRRN **disseminates information on river restoration** through website/news-mail/publication/event etc.



website



monthly newsletter



Symposium/Seminar



Boat Tour



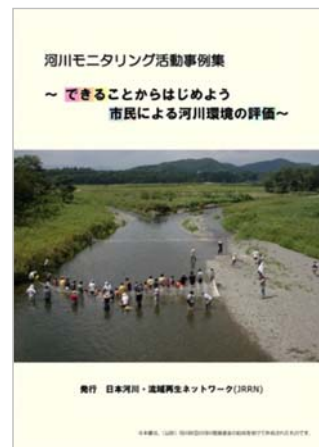
Japan River Restoration Network (JRRN)

About Japan River Restoration Network (since 2006)

- ✓ JRRN **researches how to promote river restoration** through collaborative and partnership approach.



Study report



Committee meeting

About Japan River Restoration Network (since 2006)

- ✓ JRRN **contributes river restoration in Asia** as one of ARR N member.



ARRN forum 2007 in Tokyo, Japan
(Invited Lecturer: Mr. Martin Janes, RRC)



ARRN Roundtable meeting "How to develop technology and Guideline for river restoration through networks in Asia" 2010

(Invited Guest: Mr. Bart Fokkens, ECRR)

About Japan River Restoration Network (since 2006)

- ✓ JRRN **interchanges with international experts and organizations**, and returns new findings to Japan.



JRRN training
for Asian countries



Site visit with international experts



Lecture @ Malaysia River forum



JRRN symposium 2012 (Invited Lecturer: Dr. Jenny Mant, RRC)

About Japan River Restoration Network (since 2006)

- ✓ JRRN **connects/encourages people and organization** working on river restoration in Japan.



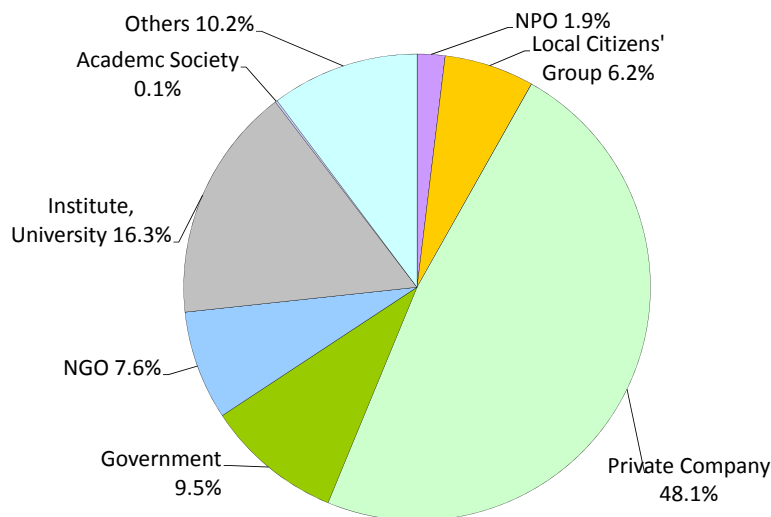
Collaboration with educational exhibition of water and river environment



Supporting workshop on regional river restoration

About Japan River Restoration Network (since 2006)

- ✓ JRRN currently consists of 670 individual and 50 organization members.



Organization breakdown of 670 JRRN **individual** member

| Type of Organization | % |
|-----------------------|------|
| Private Company | 44.4 |
| Local Citizens Group | 25.4 |
| NPO | 19.0 |
| NGO | 4.8 |
| Government | 3.2 |
| Institute, University | 3.2 |

Breakdown of 50 JRRN **organization** member

Thank you for your kind attention.



For further information on river restoration in Japan,

<http://www.a-rr.net/jp/>

Secretariat of JRRN is operated by **Japan Riverfront Research Center** and **CTI Engineering Co., Ltd.** as joint study on development of Asian River Restoration network.



Japan River Restoration Network (JRRN)