

















ts basin a 2,200 km2 nunicipali Dur societ bureaucra	aura – A Large nd water sheds c P, running through ties and 3 prefect y today is tized and segmer	e Lak over 28 ures. nted.	Anto Muuraan Valuese Reserver Tore Rose The total lakefront ex 250km is the Jonnesi	Like Kasumpura
Categoly	tem	Unit	Lake Kasumigaura	Lake Biwa
Categoly	Origin		Inland sea	Graven lake
	Maximum depth	m	7	103
	Average depth	m		41
			4	
	Surface Area	km2	220	670
Lake	Surface Area Shoreline	km2	220	670
Lake	Surface Area Shoreline Volume	km2 km billion t	4 220 250 approx.0.8	670 235 approx.27.8
Lake	Surface Area Shoreline Volume Average water turnover	km2 km billion t days	4 220 250 approx.0.8 approx.200	670 235 approx.27.8 approx.2,000
Lake	Surface Area Shoreline Volume Average water turnover Elevation	km2 km billion t days m	4 220 approx.0.8 approx.200 0.16	670 235 approx.27.8 approx.2,000 85
Lake	Shoreline Volume Average water turnover Elevation Surface Area	km2 km billion t days m km2	4 220 approx.0.8 approx.200 0.16 2,156	670 235 approx.27.8 approx.2,000 85 3,844
Lake	Surface Area Shoreline Volume Average water turnover Elevation Surface Area Municipalities in catchment area	km2 km billion t days m km2 -	4 220 250 approx.0.8 250 2,156 45 chies,towns,villages	670 235 approx.27.8 approx.2,000 85 3,844 50
Lake	Sturface Area Shoreline Volume Elevation Surface Area Municipalities in catchment area Municipalities bordering the lake	km2 km billion t days m km2 -	4 220 approx.0.8 approx.200 0.16 2,156 45 cities.towns.villages 22 cities.towns.villages	41 670 235 approx.27.8 approx.2,000 85 3,844 50 20
Lake	Surface Area Shoreline Volume Average water turnover Elevation Surface Area Municipalities in catchment area Municipalities bordering the lake Catchment area population	km2 km billion t days m km2 - -	4 220 approx.0.8 approx.200 0.16 45 cities.towns.villages 23 cities.towns.villages approx.900.000	41 670 235 approx.27.8 approx.2,000 85 3,844 50 20 approx.1,130,000
Lake Catchment area	Surface Area Shoreline Volume Average water turnover Elevation Surface Area Municipalities in catchment area Municipalities in catchment area Municipalities in catchment area Average annual rainfall	km2 km billion t days m km2 - - - - mm	4 22 approx.0.8 approx.200 0.16 45 cities.towns.villages 23 cities.towns.villages approx.900.000 1,350(average annual volume of water about 22 billion m3)	670 670 235 approx.2,000 85 3,844 50 20 approx.1,130,000 1,924













Loss of Nature Network, and its Restoration

Continuity and nature network: intercepted, lost ⇒Decrease in species diversity, extinction

Continuity and social network (community, generation): bureaucracy, sectionalism ⇒separation, loss Loss of Continuity in Space and Time

The Asaza Project is seeking to restore continuity, and the network Creating a nature network which overlaps with the network of people and the society



Limitation of the Current Society: Lack of Integration

Inability of the government to work on the whole lake rather than a part of the lake; bureaucratic sectionalism Inability of researchers, universities to analyze the lake as a whole rather than to conduct separate researches; specialization of researches

Integration of the society is necessary.

Think the lake as a body consisting of many different parts which interact with each other; solution for the problems in the lake will be found from the viewpoint of the integration.



Partial and holistic optimizations

Model of partial optimization J, Institutional thinking: selfcontained Spreads technologies and models Calls for powerful policies J Organizations of engineers. centers to spread technologies J. Burdensome social costs ¥ The effects are limited. \mathbf{J} Institutional developments Professional knowledge, in specific fields (Dependence) Problem solving NPO Asaza Fund

 \mathbf{V} Narrative thinking: chain-reactionary Brings technologies into the context of a local community Finds ways of life and living

Model of holistic optimization

Solidarity of local communities carries on restoration and revitalization.

Independence gained upon business models \mathbf{V}

Effects remain and expand.

Sharing narratives, new kind of

"public" Holistic, experience-based knowledge rooted in living (Enthusiasm) Value creating

Sampling activities

Classifications, definitions, arrangements

Collects things that have already taken place, ex post facto Problem solving, self-contained systems

Practical activities

Encounters in flows of things and events produce results and effects. → Creation and developments in solidarity, relationships, and networking

Producing new realities amid events Value creating, open systems NPO Asaza Fund



Bernardo Bellotto NPO Asaza Fund





In Asian pictures, it is expressed from inside of the movement (creation) of the world.

In acient Japan, the word "exist" means more like "emarge".

Tohaku Hasegawa





What are "Local" Problems?

No single issue or problem exists alone. In short, every problem exists within a group or a system of problems. For instance, the problem of "diminishing corals" does not stand

alone.

Rather, consider each problem in its relationship with the whole of problems affecting the local community. "Preserving environment and building up a cyclical society → One result: corals revitalized"

Considering each problem as a single one -- Professional knowledge, in specific fields "Develop technologies to revitalize corals." → Partial optimization Considering each problem in its group or system of problems -Holistic, practical knowledge

"Corals used as an index in creating a society that exists in peace with the oceans." → Holistic optimization



























Asaza Project – More than 170 Elementary Schools Participate

Connecting the space around the lake with children

The whole area around the lake participates in its restoration.

The number of schools will exceed 200 once kindergardens and high schools are included















The Nature Restoration Project -Collaborating with Social Welfare



Not just a welfare project within the framework of welfare

Welfare comprising many aspects of society

Utilizing the knowledge and experience of the elderly for the project















































































Ltd. planting Asaza





































<text>











Let there be lives – even in major cities! Biotope building has begun! Children are now learning how to connect farming villages with major cities via the path of lives. They have set out to build up their local communities and reconsider

their spaces. Working together with NEC Capital Solution Limited



NPO Asaza Fund



y Sumida Ward Futaba Elementary School

And many more schools are engaged in the way of lives nationwide, both in and out of Tokyo.





























































































Estim (Revitali Maximu (Prospe	ation of Ecor zation of Fish m Effect of Flex ct)	nomic Effect I eries) tible Utilization of	Due to Asaza	Project Gate			
Full recovery of sea eel, smelt, shirauo, sea bass, goby, shrimp, isazaami and yamatoshijimi due to removal of the barrier preventing the movement of fish. and creation of a mixed area of fresh and sea water							
Maximum Effect of Recovery of Vegetation (Prospect)							
Full recovery of smelt, shirauo and shrimp due to restoration of breeding sites and raising sites							
	Production/year	Cost/year	Profit/year	Profit Increment (from present)			
Present	2,551,972,191	971,411,888	1,580,560,303	-			
Short-term	17,181,561,647	1,453,599,610	15,727,962,038	14,147,401,734			
Long-term	36,833,629,730	4,486,346,379	32,347,283,351	30,766,723,047			
Predicting 30.8 billion yen increase in Profit from Fishery in Long-run							
NPO Asaza Fund (as estimated by Mitsubishi UFJ Research and Consulting)							















NPO is like a Hormone in the Society Blood does not circulate to the outer reaches of society due to bulky and complex (sectioned) organizations How Can We Maintain Public Services? Increasing Tax ⇒Increasing blood volume. Sending blood into the outer reaches. Reducing Tax ⇒Cutting off the outer reaches. Or NPO performs this role at cheaper cost.

NPO Should Function like a Hormone

⇒Connecting Distant, Separate Organs, and Creating New Values by Drawing out

•• •W	here "citizen-led" public works differ from "traditional" ones:		
Traditional:	"Confined" – Possibilities within an existing framework → Solution to a problem		
Citizen-led:	"Networking" – Potentials of local communities → Creating new values		
Traditional:	Expects a single function or effect of a single project		
Citizen-led:	Expects a diversity of functions and ripple effects of a single project		
Traditional:	Movements of people, money, and other resources are vertically segmented – self-contained (Comparable to) lines connecting particular points → Segmented, fixed		
Citizen-led:	Ripple effects from a project spread over communities, beyond vertical segments Spread in chain reactions → Ties, new encounters, circulations		
Traditional:	Defined for a single (fiscal) year → Not lasting, dependent on the central government		
Citizen-led:	Build up networks and ties, making the most of individual projects Creates new projects → Independence of each local community, lasting		





