

# Regional Industrial Promotion through Open Source Software by Local Government in Japan

Shimane University, Japan  
Tetuo Noda and Terutaka Tansho

# Position of the cities in this thesis



Matsue City, Shimane Prefecture  
200,000

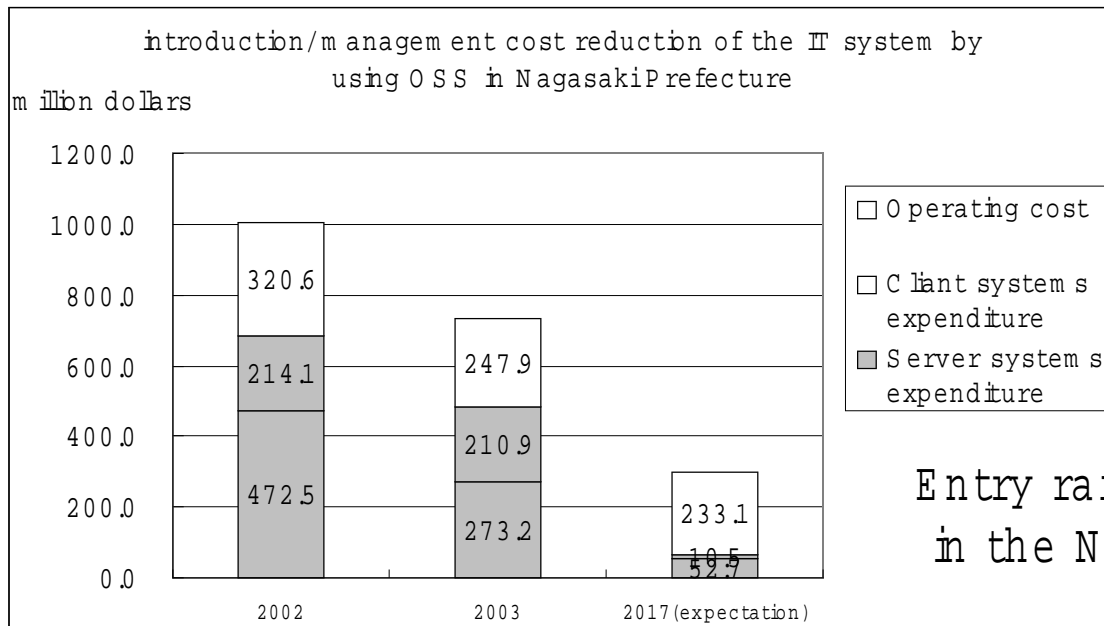
Nagasaki Prefecture  
1,430,000



Tokyo  
10,000,000



# Division of Orders by using OSS in Nagasaki Prefecture



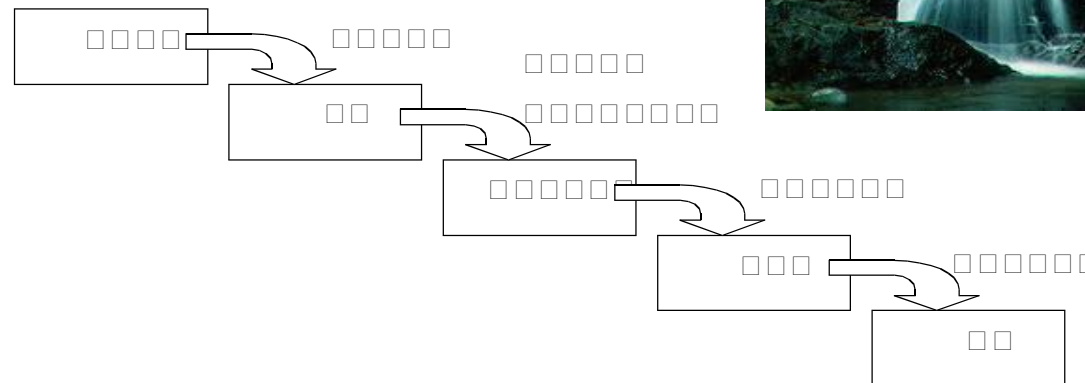
Entry ratio of local information enterprises in the Nagasaki e-municipality system

	Number of Cases	Amount of Money
Before 2001	No Result	No Result
2002	47.9%	15.2%
2003	48.1%	15.1%
2004	76.0%	32.7%
2005	75.4%	46.3%
2006	82.1%	69.3%
2007	88.1%	62.8%

# Water Fall Model in Local Information Service Industries

Orderer business type of Information Service Industry in Japan (2004)

	National average	Shimane Pref.
Manufacturing	21.3%	6.0%
Wholesale and retail trade	10.4%	6.0%
Construction industry	1.3%	10.0%
Finance and insurance	17.7%	1.0%
Information service industry	20.0%	34.0%
Other service industry	6.7%	6.0%
Electricity, gas, and water	2.7%	4.0%
Administration sector	11.2%	24.0%
Others	8.7%	9.0%



# Ruby City MATSUE Project

## Cooperation of the Industrial-Government-Academic Complex

Improve development power of local information service industries and expand their market



Study theme:  
"From Cobol to Ruby"

Growth of Information Service Industries in Shimane Pref.

The "Matsue Open Source Lab offers a base for research, development and information exchange. Specializing in open source software

	Number of employees	Sales (million dollars)
2001	951	10652.5
2007	1400	13711.1
Growth rate (Shimane)	47.2%	28.7%
The whole country	14.9%	6.6%

# Contribution to Open source Community by Academic Side

- Research of Stabilization for Open Source Software
- Stabilization for Programming Language Ruby, Decision of “Standard Issue” is needed
- Project examines Techniques for producing documentation and for guaranteeing the stability



Ruby's development session with Commiter at Shimane Univ.



Ruby's New Version (1.9.1) Press Release at Open Source Lab