Form 7

Report for JSPS – FAPESP Joint Research Workshop FY2014

Date 17 April 2015

1. Title of Workshop Contribution of Genetics to Plant Conservation
   URL http://fapesp-jsps.mangroves.info/

2. Purpose of Workshop

The purpose of the workshop is to establish research networks of young researchers through the workshop by promoting discussion of participants especially about the following questions:
- What are the prioritized issues of Plant Conservation in which Brazil and Japan should work together?
- What are the effective working groups to tackle with the issues, and who will be members? (We expect three or more working groups to be created)
- What are the active plans of the working groups and their roadmaps for next three years?

To realize the workshop and promote effective discussion, we will invite about 20 young researchers from each country who are interested in Plant Conservation. In addition to the field of genetics, participants from other fields related to plant conservation (such as ecology, evolution taxonomy, GIS, for instance) will be invited to work together for global issues.

3. Period

From 2 Feb 2015 through 4 Feb 2015 (3 days)

4. Venue Luiz de Queiroz College of Agriculture, University of São Paulo (ESALQ-USP), Piracicaba, São Paulo, Brazil

5. Organization

(1) Cosponsors

Japan Side	Japan Society for the Promotion of Science (JSPS)
	Chiba University
Brazil Side	São Paulo Research Foundation (FAPESP)
	São Paulo Agency for Agribusiness Technology

(2) Coordinator

1) Japan side

Name in full Tadashi Kajita

Affiliation and Position Graduate School of Science, Chiba University, Associate Professor

2) Brazil side

Name in full Maria Imacula Zucchi,

Affiliation and Position Scientific researcher, São Paulo Agency for Agribusiness Technology

6. Program: Agenda, Topics, Related Activities (e.g., Reception, Excursion)
Please see the agenda and the program in the attached document to this report.

7. Mentors and Participants

1) Number of Participants

	Lecturers	Participants	Total
Japan side	4	20	24
(Number who participated under program funding)	4	18	22
Brazil side	5	27	32
(Number who participated under program funding)*	4	16	20
Other persons	0	1	1
(Number who participated under program funding)	0	0	0
Total	9	48	57
(Number who participated under program funding)	8	34	42

A: Mentors

Name in full	Position /Affiliation/ Institution (Country of Affiliated Institution)	Specialty
-Japan side		
Koji Takayama	Assistant Professor, University Museum, The University of Tokyo (Japan)	Plant Systematics & Evolution
Yuji Isagi	Professor, Graduate School of Agriculture, Kyoto University (Japan)	Conservation Genetics
Yoshihisa Suyama	Associate Professor, Graduate School of Agriculture, Tohoku University (Japan)	Forest Moleclar Ecology
-Brazil side		
Pedro Henrique Santin Brancalion	Professor, Department of Genetics, Luiz de Queiroz College of Agriculture, University of São Paulo (Brazil)	Conservation Biology, Reforestation
Evandro Marsola de Moraes	Adjunct Professor, Department of Biology, Federal University of São Carlos (Brazil)	Population Genetics, Evolutionary Biology r
Clarisse Palma da Silva	Researcher level III, Institute of Bioscience, Rio Claro, São Paulo State University (Brazil)	Population Genetics, Molecular Ecology

B: Participants

Name in full	Position /Affiliation/ Institution (Country of Affiliated Institution)	Remarks
-Japan side		
Shingo Kaneko	-Associate Professor, Faculty of Symbiotic Systems Science, Fukushima University (Japan)	*
Shota Sakaguchi	-JSPS Post Doc, Graduate School of Arts and Sciences, The University of Tokyo (Japan)	*
Harue Abe	-Assistant Professor, Sado Station, Field Center for Sustainable Agriculture and Forestry, Faculty of Agriculture, Niigata University (Japan)	*
Takaya Iwasaki	-JSPS Post Doc, Center for Ecological Research, Kyoto University (Japan)	*
Munemitsu Akasaka	-Lecturer, United Graduate School of Agricultural Science, Tokyo University of Agriculture and Technology (Japan)	*
Hajime Ikeda	-Assistant Professor, Group of Wild Plant Science, Institute of Plant Science and Resources, Okayama University (Japan)	*
Yudai Okuyama	-Researcher, Tsukuba Botanical Garden National Museum of Nature and Science (Japan)	*
Yuki Tsujita	-Associate Professor, Faculty of Agriculture, Saga University (Japan)	*
Yoshiaki Tsuda	-Post Doc, Department of Biology, Graduate School of Science, Chiba University (Japan)	*
Yoichi Watanabe	-JSPS Post Doc, Ito Laboratory, Graduate School of Arts and Sciences, the University of Tokyo (Japan)	*
Satoshi Kakishima	-JSPS Post Doc, Graduate School of Science and Technology, Shizuoka University (Japan)	*
Ayumi Tezuka	-Researcher, Frontier Research Academy for Young Researchers, Department of Bioscience and Bioinformatics, Kyusyu Institute of Technology (Japan)	*
Satoshi Koi	-Lecturer, Botanical Gardens, Facultyl of Science, Osaka City University (Japan)	*
Kyoko Sugai	-JSPS Post Doc, Department of Wildlife Biology, Forestry and Forest Products Research Institute (Japan)	*
Yu Ito	-Post Doc, University Museum, The University of Tokyo (Japan)	*
Emiko Oguri	-Associate Professor, Department of Biological Science, Graduate School of Science, Hiroshima University (Japan)	*
Hironori Toyama	-Post Doc, Department of Biology, Faculty of Science, Kyushu University (Japan)	*
Shuichiro Tagane	-Post Doc, Department of Biology Faculty of Science Kyushu University (Japan)	*
Jose Said Gutierrez Ortega	-2nd year of Master course, Research assistant, Graduate School of Science, Chiba University (Japan)	
Takashi Yamamoto	-1st year of Master course, Graduate School of Science, Chiba University (Japan)	
-Brazil side		
Silva Gislaine	-Post Doc, Department of Biology, Federal University of São Carlos (Brazil)	*•
Alves-Pereira Alessandro	-PhD candidate, Department of Genetics, Luiz de Queiroz College of Agriculture, University of São Paulo (Brazil)	*•
Novello Mariana	-PhD candidate, Center of Molecular Biology and Genetic	*•

	Engineering, State University of Campinas (Brazil)	
Gomes Viana João Paulo	-PhD candidate, Center of Molecular Biology and Genetic Engineering, State University of Campinas (Brazil)	*•
Silvestre Ellida	-PhD candidate, Center of Molecular Biology and Genetic Engineering, State University of Campinas (Brazil)	*•
Mori Gustavo	-Post Doc, Center of Molecular Biology and Genetic Engineering, State University of Campinas (Brazil)	*•
Vargas Cruz Mariana	-PhD candidate, Center of Molecular Biology and Genetic Engineering, State University of Campinas (Brazil)	*•
Konzen Enéas Ricardo	-PhD candidate, Center of Nuclear Energy in Agriculture, University of São Paulo (Brazil)	*•
S. Bonatelli Isabel	-PhD candidate, Department of Biology, Federal University of São Carlos (Brazil)	*
Perez Manolo	-PhD candidate, Department of Biology, Federal University of São Carlos (Brazil)	*
Faria Franco Fernando	-Professor, Department of Biology, Federal University of São Carlos (Brazil)	*
Belini Camila	-PhD candidate, Graduate School of Horticulture, São Paulo State University (Brazil)	*
Brisibe Andi	-Professor, Chemical, Biological and Agricultural Pluridisciplinary Research Center, University of Campinas (Brazil)	*
Coffani-Nunes João Vicente	-Professor, Agronomy Course, São Paulo State University (Brazil)	*
Leles Bruno	-PhD candidate, Institute of Bioscience, Rio Claro, São Paulo State University (Brazil)	*
B. F. Arruda Ana Carolina	-Undergraduate student, Methodist University of Piracicaba (Brazil)	*
Grando Carolina	-PhD candidate, Center of Molecular Biology and Genetic Engineering, State University of Campinas (Brazil)	*
Pavinato Vitor Antonio	-Post Doc, Center of Molecular Biology and Genetic Engineering, State University of Campinas (Brazil)	*
Dias Schwarcz Kaiser	-Post Doc, Center of Molecular Biology and Genetic Engineering, State University of Campinas (Brazil)	*
Lourenço Garcia de Brito Vinicius	-Post Doc, Department of Botany, State University of Campinas (Brazil)	*
Conson André Ricardo	-PhD candidate, Center of Molecular Biology and Genetic Engineering, State University of Campinas (Brazil)	*
Romero María Victoria	-Post Doc, Department of Botany, State University of Campinas (Brazil)	*
Olinda Tacuatiá Luana	-Post Doc, Department of Botany, State University of Campinas (Brazil)	*
Etore do Valle Giuliana	-Post Doc, Agronomic Institute of Campinas (Brazil)	*
Robin Chazdon	-Visitng professor at ESALQ, Daprtment of Ecology and Evolutionary Biology, University of Connecticut (USA),	*
Herklotz André	Sinapse Biotecnologia, Sponsor company (Brazil)	
Massucato Rafaela	Sinapse Biotecnologia, Sponsor company (Brazil)	
Tomomitsu Armando	Sinapse Biotecnologia, Sponsor company (Brazil)	

-Other Participants Alison Kim Shan Wee	-Postdoctoral Fellow, Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences (China)	

Place a check [*] in the Remark Column for those who participated using JSPS and FAPESPs' workshop funding.

- Note: FAPESP doesn't cover anyone who has a fellowship/scholarship/research award that is still valid (processes that haven't finished yet). That is the reason so many people could not be supported financially by FAPESP even though they were coordinators, mentors, and major participants. Researchers who have these kind of financial support may use their 'technical reserve" (10-15%) to cover their expenses.

8. Please describe the achievements of the workshop.

The workshop achieved new cooperation and mutual benefit listed below, and succeeded to promote young researchers' careers. It also contributed to internationalization of the partner institutions in both countries.

New cooperation:

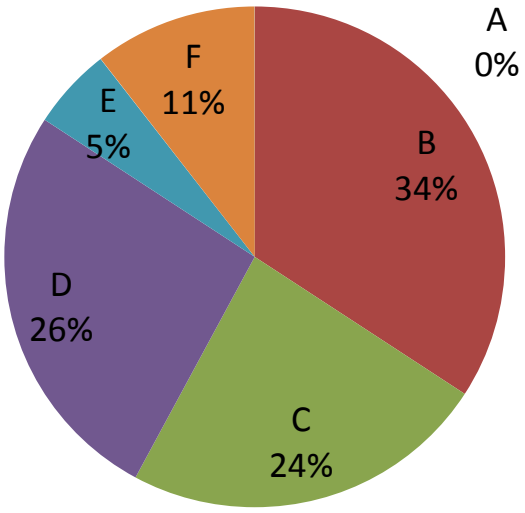
- The workshop helped both Brazilian and Japanese young researchers to share their ideas each other, and to make research networks that will help their future study. Participants experienced the very different research backgrounds in the two countries, understood them, and united them in their mind, through the all program of the workshop. Having the same research goal "Plant Conservation" through "Genetics" well helped their mutual understandings.
- Through the discussion about the new research topics in which the Brazilian – Japanese researchers can act together, new idea were raised from different aspects. We created new working groups and discussed the way for future grant proposals in both countries.
- The workshop helped the young researchers to provide the practical procedures of international network formation by introducing the grant opportunities (by JSPS and FAPESP), way of making research proposals, and providing realistic time tables. New proposals will be made this year involving the participants to the workshop.

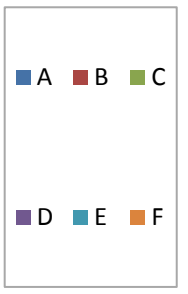
Mutual benefit:

- The promotion of young and outstanding researchers is one of the most important issues in the field of Science. The workshop helped both Brazilian and Japanese young researchers to open their minds to international network formation and widen their research activities to global scale in their early stage of research career. We believe this success will help them in their academic successes.
- Conservation of Genetic Diversity has been considered as one of important issues in some international panels such as the Earth Summit 1992 or COP10 2010, but has not been well mutually understood in different countries. Through the workshop, both Brazilian and Japanese participants surprised at the outcomes and the used methodologies in their studies each other, including NGS technology and new Genotyping methodology used in both countries. This mutual understandings opened new chances for future collaboration in Conservation Biology in which the participants from both countries can work together..
- Both APTA and Chiba University teams have their own strategies for internationalization and globalization. Through the collaboration for the workshop we tightened the mutual international relationships between institutions and explored further opportunities for further collaborations.

Workshop participant's answers to the evaluation questionnaire.

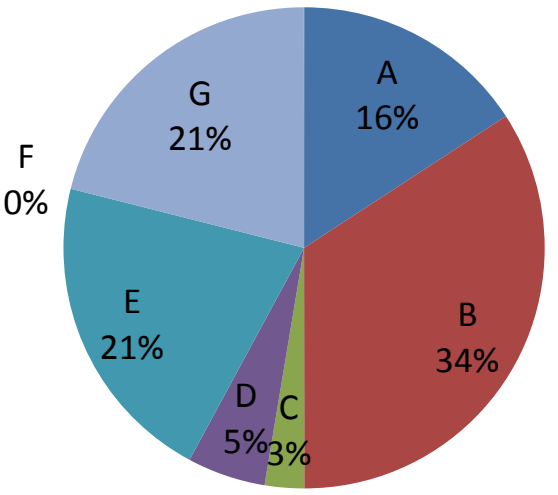
Part. 3

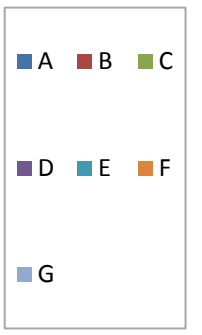




Age

	人数	割合
A	0	0%
B	13	34%
C	9	24%
D	10	26%
E	2	5%
F	4	11%





Title

	職位	割合
A	6	16%
B	13	34%
C	1	3%
D	2	5%
E	8	21%
F	0	0%
G	8	21%

G : Professor(1),Associate professor(2),assistant professor(2),Scientific research(1),Master student(2)

Research Field

Biodiversity conservation
Phylogeny and Phylogeography
Community phylogenetics
Mycorrhizal symbiosis
evolutionary biology, phylogeny, biologeography
Conservation Genetics and Genomics
Evolutionary biology
Plant phylogeny and biogeography
Asia and the Pacific resions
population genetics and genomics
Atlantic Rainforest Plant Diversity
Population genetics
Genetics and Evolution
Evolutionary Genetics
Conservation genetics, phylogenetics, phylogeography, plant systematics
Taxonomy
Evolutionary Biology
Taxonomy, Phylogeny, Conservation genetics
forest population genetics
Conservation genetics
phylogeography
Forest ecology
Morphological evolution
Conservation Genetics
population genetics, evolution
Botany
Population Genetics and Phylogeography
Ecological genetics and breeding