INTERNATIONAL AGRICULTURAL RESEAERCH NETWORKING FOR JAPANESE RESEARCH INSTITUTIONS

Satoru Miyata

Japan International Research Center for Agricultural Sciences 1-1 Owashi, Tsukuba, 305-8686, Ibaraki, Japan

ABSTRACT

Japan International Research Center for Agricultural Research Center (JIRCAS) was founded as Japanese sole "national center" for international agricultural research for developing regions and has worked for various programs in collaboration with other national research institutions/universities and related organizations like Japan International Cooperation Agency (JICA). JIRCAS has initiated many international collaborative research projects for developing regions, and only a few other national institutions have initiated such projects mainly with more developed regions. The first-stage Rice Genome Research Program (2000-2004) led by National Institute of Agrobiological Sciences (NIAS) was the very typical example of such initiatives.

However, recent regional and global challenges in agricultural sciences such as global warming, food security/safety, biodiversity, etc. have pushed more institutions other than JIRCAS to involve in and take initiatives for international activities. Such an example is the Monsoon Asia Agro-Environmental Research Consortium (MARCO) initiated by National Institute of Agro-Environmental Sciences (NIAES). Some other research institutions have also developed more international activities and research.

Considering the above-mentioned changes, JIRCAS has made more efforts to contribute to international research as follows:

- Networking of Japanese research institutions, universities and other organizations through the Japan Forum on International Agricultural Research for Sustainable Development (J-FARD) in order to serve as a platform for cross-institutional coordination and cooperation across Japan.
- Networking with some regional/international networks such as Asia-Pacific Association of Agricultural Institutions (APAARI), Asia-Pacific Association of Forest Institutions (APAFRI) , Southeast Asia Fisheries Development Center (SEAFDEC), Coalition for African Rice Development (CARD) and Global Forum on Agricultural Research (GFAR).
- Human resource development for international research by sending young scientists to research institutions in developing regions and also inviting young scientists from such regions.

More challenges will be expected in relation to recent development of international research issues such as Japanese government's new science and technology policy and CGIAR reforms including mega-programs and other initiatives. Therefore, JIRCAS is discussing the following approaches under the process of next mid-term (2011-2016) planning:

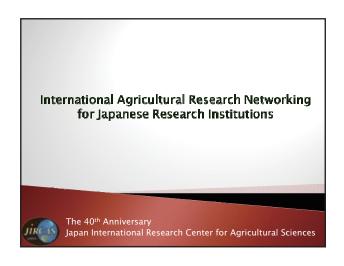
- Open JIRCAS' resources (various know-how, network, etc.) more to other institutions
- Develop more consortium-type international research projects by inviting other organizations/universities
- Invite more advanced developing/emerging regions as more equal partners in research projects
- Use more regional and global fora or networks for research project development
- Help human resource development for international research by inviting young researchers from other Japanese organizations/universities.

And, JIRCAS itself will keep working for developing regions and function to bridge between various stakeholders and partners from developing regions and Japanese research institutions/universities for regional and global issues.

In conclusion, JIRCAS must always upgrade the functions of national center for international research to adapt to regional and global changes and needs as well as national interests.

KEYWORDS

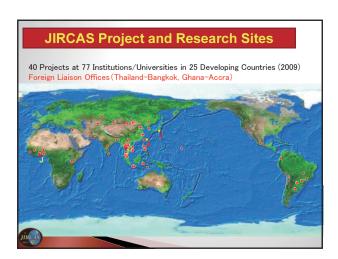
National center, international research, networking, J-FARD, human resource development



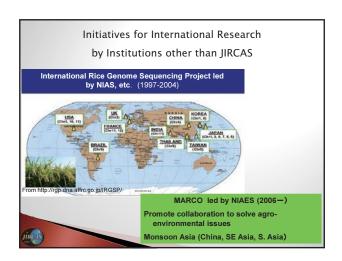


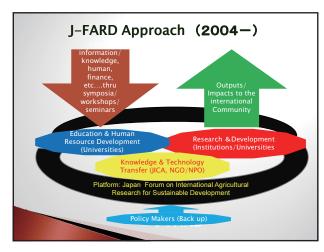




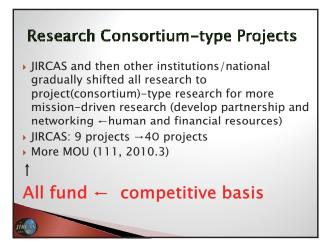


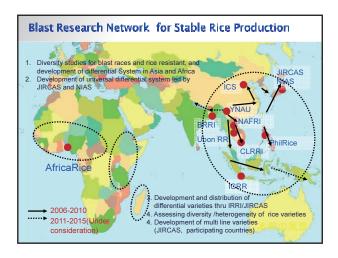


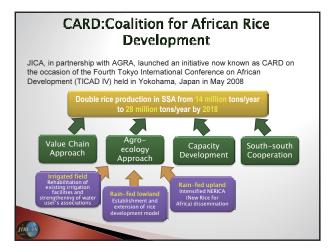














Human Resource Development for International Research

- Help young scientists to experience and challenge international research
- ▶ Develop scientist-to-scientist networks at young generation and succeed existing networks ⇔ enclosing
- Empower more scientists for international research

Latest Challenges in Agricultural Sciences

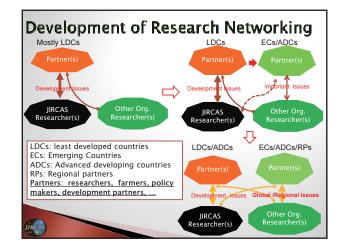
- Bio-resource (food/feed/biomaterial/energy) Security
- Global warming, Biodiversity, etc. vs. Sustainable Development
- Many still-unsolved Millennium Development Goals
- Many agricultural issues → more inter-related (domestic ⇔ regional ⇔ global) and common interests

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Strengthening Networking

- More or more advanced MOUs and other agreements towards more equal partnerships
- More intense communication with international forums
 - ✓ Asia: APAARI, APAFRI, CORRA. ASEAN+, APEC......
 - ✓ Africa: CARD, FARA
 - ✓ Global: CGIAR GFAR.....





Conclusions! • JIRCAS needs to continue change and reform in order to sustain its strength contributable to missions set by the government



QUESTION and ANSWER

Masami Yasunaka: Thank you for the nice presentation, Mr. Miyata. And is there any small question or comments? Yes?

Christian Hoste: Well thank you very much for the nice presentation. I think I have understood better now what your Japanese forum J-FARD is. And looking at the picture there, you love to put the research institutions and the higher education together within the forum, and you put your policymakers outside the forum. And I think we have similar mechanisms in France, but we have considered it much more useful to have the ministries within the platform of discussion. Because we have at least three ministries involved — agriculture, research, and the foreign affairs,. You can dialogue with the ministries, and to be honest, since it's not always well coordinated between the ministries and the research institutes and the universities, it's something very useful. And what we have done is that for several years, we have this mechanism in place and sharing information. But also, we really think it's maybe something you can think about if your ministries are willing to play the game; I think it is for the mutual benefit of the organizations. And you can have two levels — a very high level meeting once a year with the big shots, but also we meet every month basically with the operations people to exchange ideas. And so that's sharing experience maybe with you.

The second point I want to make is that you have to put emphasis on young scientists. It's the key, because I do believe that the community of agricultural research and development specialists has an aging population and we have difficulties to identify young scientists there. I just want to mention that within the GFAR, there is also an initiative YPAD, which is the young platform on agricultural research for development. I would also recommend to look at that platform and to try to facilitate the participation of our young scientists to this young platform because that's not only for research, but is for all categories of stakeholders and then the young speaking to the young as you have mentioned. That is something that's also very effective. So I am just sharing the experience and information. Thank you.

Masami Yasunaka: Thank you.

Masaru Iwanaga: Thank you very much for your good presentation. Following up Christian's question, I have actually one question. J-FARD, it was established in 2004. Do you think it has been successful? If not, why not? If it has been successful, give me three concrete points why you think it is successful.

Satoru Miyata: Okay. First my answer is very clear: not so successful, but I can say it was better than nothing. Some case it was useful but not so successful. So the reason is that we could not provide good resources, including human resources and financial resources to J-FARD. Likewise, ideas and knowledge to initiate activities were not enough. So this year, Suzuki-san from the Ministry of Agriculture gave us some small fund to support this kind of activities. So gradually we'd like to improve the activity of J-FARD.

Masaru Iwanaga: Just following up that point. This afternoon, we talked with three speakers. All talked about networks in different context and sometimes a different definition. And if they are working or if there's a major challenge, always these three speakers mentioned about the financial aspect. And I don't see a clear prospect in that aspect. Unless as the previous speaker mentioned, you will provide an opportunity of clear linkage with policy makers.

Masami Yasunaka: As Dr. Iwanaga mentioned, three presenters described three kinds of network this afternoon. These are materials to discuss further and we'd like to have one more presenter.