



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmer's Welfare

कृषि अनुसंधान एवं शिक्षा विभाग

Department of Agricultural Research & Education

कृषि भवन, नई दिल्ली-110 001

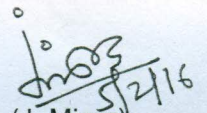
Krishi Bhawan, New Delhi - 110 001

F.NO.12023/4/2015-IC CG(Pt.II)

Dtd: 5th February, 2016

Subject: Minutes of the meeting with CGIAR Centres, CABI and BISA held on 19.01.2016 at NASC Complex, New Delhi- reg.

Please find enclosed minutes of the meeting held with CGIAR Centres CABI and BISA to discuss their ongoing activities with India focus as well as their plans during the 12th Five Year Plan on 19th January, 2016 at NASC Complex, New Delhi for information and further necessary action.


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Copy to:-

1. All CG Centres, CABI and BISA
2. Chairperson, PPV&FRA, New Delhi
3. All DDG's, ICAR, Krishi Bhawan, KAB-I and II; OSD(IR)
4. Director, NIAEPR/ Director, IARI /Director NBPGR/Director, NCAP/ Director IASRI
5. Sr. PPS to Secy(D) & DG, ICAR
6. PPS to AS&FA, DARE.
7. PPS to AS(D) & Secy, ICAR
8. Guard file

Minutes of the Meeting with the CGIAR Centers, BISA and CABI in India to discuss their ongoing activities with India focus as well as their plans during the 12th Five Year Plan period held on January 19, 2016.

A meeting on CG Centres, CABI, BISA and other international centers was held under the Chairmanship of Dr. S. Ayyappan, Secretary, DARE & DG, ICAR on 19th January, 2016 from 09.00 hrs onwards in the ICAR Conference Room, NASC Complex, New Delhi. Representatives of 14 International Centers, Chairman, PPVFRA, New Delhi, Senior Officials of the ICAR Headquarters and Directors of Delhi based ICAR Institutes participated in the meeting (list enclosed).

The Chairman welcomed the participants and conveyed the New Year- 2016 greetings to all. He also requested all the representatives of CG centers and other international centers to convey his New Year greetings to their respective headquarters. After formal introduction of participants, the Chairman in his opening remarks mentioned that the present practice of annual discussion in the beginning of every year is very important as it not only provides a forum to share the achievements but also to learn from each-others experiences gained during past year and identify the priority areas for the ensuing year.

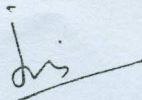
The Chair mentioned that India has done so much but has to learn a great deal and needs many more skills. As different centers in India are having focus for agricultural development in India, the effort be called 'India-International Agriculture'. He appreciated the efforts of international centers in germplasm movement, capacity building, starting several new schemes and highlighted that despite limited allocations and manpower, they have brought in high-science in agriculture. Indian farmers have been facing vagaries of irregular and deficient monsoon and therefore, can we do something together in India and other places in this direction in a problem solving mode. He suggested that each Centre may identify a few areas where the collaboration can benefit Indian agriculture e.g. in-situ germplasm conservation, development of pulses, watersheds, policy, technological prescriptions, climate change etc. He suggested that representatives of international centers may visit ICAR Institutes while travelling to that side and offer suggestions for improvement in the system. They may also participate in the curriculum and syllabus development in the ICAR-DUs.

Shri S.K. Singh, Addl. Secretary & Financial Adviser, DARE/ICAR also welcomed the participants and mentioned that there is a lot to be learnt from international centers which has to be based on knowledge and in transparent manner.

The Chair then invited the international centers to make their presentation one by one to be followed by discussion thereon. In the discussions, the following suggestions emerged :

CIP

- CIP to identify the technology what it could offer India.
- Fortification work of germplasm of potato and sweet potato needed.
- Seed production work need be strengthened.
- White fly management and grass root survey work are needed.



CABI

- CABI may not only restrict to insect and disease pest studies but also to focus on other aspects like systematics, knowledge gap management, new challenges like white fly and invasive species and world-wide circulation of Indian publications including of ICAR.
- CABI has done a lot of capacity building of Indian scientists in UK, however, should also from time to time, bring its experts to Indian institutions like IARI, New Delhi.
- As regards establishment of joint laboratories, the one proposed on conservation should not be pursued.
- Already, MoU is signed with CABI and small changes along above suggestions, are needed.

ICRISAT

- Pearl-millet and groundnut are also important and need focused attention.
- A rice-fallow management programme may be started in Mission Mode.

IRRI

- Work on multiple stress resistance, short duration with good yield potential rice varieties (like available in Vietnam), cold tolerant rice, low light intensity rice especially for coastal area, low cost technology for storage of rice, aerobic rice, rice varieties with medicinal values, quality rice, arsenic resistant rice varieties, etc. were suggested for inclusion in the work plan.
- For addressing the problem of rice-fallows, all international centers should work together in a programme mode.
- Chairman suggested that a message be sent to IRRI Headquarters that rice is a very important crop with so many areas, as mentioned above, to work with. However, consolidation of the work according to resources is required.

ICARDA

- A common collaborative programme with other international centers need be developed for addressing the rice-fallows. Crops like fababean and lathyrus be also tried.
- Introduction of the chickpea and lentil material has been very useful and to be continued.
- A joint workshop on phenotyping for drought tolerance may be organized.

IWMI

- Water is a universal commodity. What are those modern situations where IWMI has applied approaches for enhancing water productivity and what are those multiple use of water models.
- A Work Plan with IWMI has been signed in 2014 which needs to be revisited but before that another round of discussion is required when the new DG of IWMI comes in.

CIMMYT

- Yellow rust is giving more headache recently in India as the existing races are adapted to higher temperatures. There is need for durable resistance.
- Work needed on heat tolerant maize phenotyping, root phenotyping particularly for drought, the small holder precision, capacity building, and climate smart agriculture.
- Terminal heat tolerance is a problem in wheat and therefore, needs priority approach.
- In maize, a lot of area is coming under rainfed conditions and something for germplasm improvement has to be done.
- All training/workshop programmes may be circulated to all ICAR Institutes and Agricultural Universities.

BISA

- The mandate of Institute may be revisited to make the efforts complimentary and supplementary to those of NARES.
- Also, convergence of its efforts in Bihar with the ICAR Institutes/Regional Stations and SAUs with focus on enhancing productivity, sustainability and profitability needed.
- There is a lot of scope of fisheries in Bihar, so the integrated fisheries based farming system models may be attempted.

Bioversity International

- The Bioversity International Publications should also have ICAR logo as recognition of its work.
- On-farm conservation may be the major focus and mostly on horticultural Crops.
- Crowd sourcing is a good idea but needs a policy base.
- Old varieties are many-a-times susceptible to diseases and therefore, have to be carefully included.
- Establishing community seed bank is important.
- Bioversity may arrange/help in getting germplasm for eg. rice from China etc.

ILRI

- It was mentioned that ILRI offers a number of graduate fellowships which may be widely circulated.
- ILRI should focus on difficult issues such as vaccines, sex semensing, vertebrate pest management, pollution reduction by animals and green house gases affecting food and fodder production.
- The Chair desired that the action plan should be re-oriented along these lines.

IFPRI

- Besides its six identified strategic areas, CRP2 Policies, Institutes and Markets; CRP4 on Healthy Food Systems; CRP7 on CCAFS (Climate Change) and ASTI programme, IFPRI has helped preparation of ICAR Vision 2020, ICAR Vision 2050 and PME Manual besides others.

- IFPRI will take up three different programmes in 2016 i.e. (i) Mapping diffusion of Technology in India, (ii) Impact assessment manual, and (iii) Inclusive growth opportunities for rainfed areas.

ICRAF

- Keeping in view the requirement of renewable energy, there is need to develop alternate biofuel crops.
- Efforts are needed to introduce MIR spectroscopy technologies in India.
- Use of geo-spatial technology for estimating area under agro-forestry and creation of digital library for agro-forestry species required.

WFC

- There exists a good strength in fisheries research and education in India, the WFC should identify its action plan for India where the activities are complimentary and supplementary to NARES.

CIAT

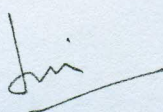
- Already there exists a MoU between CIAT and India wherein a Work Plan for 2016-18 to be developed with identification of areas of mutual interest.

General

- Some efforts of different international centers are overlapping which may be taken up in joint programme mode.
- In future, India based programmes be presented and the progress and action plan may be restricted to them.
- Focused programmes on genetic improvement with nutritional quality improvement is required.
- A document on activities in India and their brief progress of all the international centers during the year 2016 be published to provide condensed information to all scientists of NARES on annual basis for which Dr. RK Mittal, OSD (IR) to circulate the format by email. Further, any point desired to be included in the minutes of the meeting may be communicated in next 2-3 days on email- rkmittal.icar@gov.in.
- Secretary, ICAR mentioned that there is a basket of proposals/issues and we have to identify the priority areas. There is a need for commercial/market-oriented research and to move from agriculture to agribusiness.
- FA, DARE/ICAR highlighted the importance of international exposure and collaborative research.

Secretary, DARE and DG, ICAR appreciated the active participation of the representatives of all CG and other international centers and desired that they may communicate about the discussion in the meeting to their respective DG.

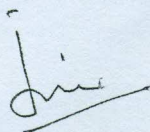
The meeting ended with vote of thanks to the Chair.



MEETING WITH THE CGIAR AND OTHER INTERNATIONAL CENTRES TO DISCUSS THEIR ONGOING ACTIVITIES WITH INDIA HELD ON 19TH JANUARY, 2016 AT NASC COMPLEX, PUSA, NEW DELHI

List of Participants

Sl. No.	Name & Designation	Institute/Affiliation
1.	Dr. S.Ayyappan, Secy(D) & DG, ICAR	DARE/ICAR
2.	Shri S.K.Singh, AS&FA,DARE/ICAR	
3.	Shri Chhabilendra Roul, AS(D) & Secy, ICAR	
4.	Dr.R.R.Hanchinal, Chairperson	PPV&FRA
5.	Dr.David Bergvinson, Director General	ICRISAT
6.	Dr.G.Narendra Kumar, Director (Country Relations)	
7.	Dr. Peter Carberry, DDG	
8.	Dr.Julian Parr, CIP Asia Director	CIP
9.	Dr.Mohinder Kadian, Low Land Potato Leader Asia	
10.	Sh.Michael Gerber	
11.	Dr. Mohan Chadag	WFC, Malaysia
12.	Dr. Gopi Ramasamy, Country Director	CABI
13.	Dr.Kavya Dashora, Dy. Director	
14.	Dr.Dindo Campilan, Director	CIAT, Hanoi, Vietnam
15.	Dr. Krishna Reddy, Regional Researcher	IWMI
16.	Dr.Tushaar Shah	
17.	Dr. Alok Jha, Regional Representative-SA	ILRI
18.	Dr. Johanna Lindhal, Scientist, Nairobi	
19.	Dr.Padma Kumar, Scientist, Hyderabad	
20.	Dr. Ashutosh Sarker, Regional Coordinator & food legume breeder	ICARDA
21.	Dr.Malavika Dadlani, Hon.Res.Fellow	Bioversity Int.
22.	Dr. S. B. Dandin, Co-ordinator Bio. Int. Bengaluru	
23.	Sh.T.K.Madan, Sr. Admn Officer	
24.	Dr.U.S.Singh, IRRI rep. for India & Nepal	IRRI
25.	Dr.M.S.Ramesha, Sr. Scientist	
26.	Dr. Manzoor Dar, Scientists	
27.	Dr.Vijay Kumar Marthi, Manager (Liaison & Coordination)	
28.	Dr.Etienne Duveiller, Regional Rep. Asia	CIMMYT
29.	Lt.Col. Ashwani Yadav, Sr.Advisor Country Relation	
30.	Sh.H.S.Gupta, Director General	BISA
31.	Dr.Javed Rizvi, Regional Director, South Asia Programme	ICRAF
32.	Dr.Jamal Noor, Regional Finance and Admn. Officer	
33.	Dr.R.Choudhary	
34.	Shri Sunil Londhe, RA	



35.	Dr.P.K.Joshi, Director, South Asia	IFPRI
36.	Ms.Jyotsana Dua, Sr.Office Manager	
37.	Dr. A.K. Sikka, DDG (NRM)	ICAR
38.	Dr.N.K.Krishna Kumar, DDG (Hort.)	
39.	Dr. J.S.Sandhu, DDG (CS)	
40.	Dr. A.K.Singh, DDG (Agril Extn.)	
41.	Dr. K.Alagusundaram, DDG (Engg)	
42.	Dr. N.S.Rathore, DDG(Edn)	
43.	Dr. H.Rahman, DDG(Animal Science)	
44.	Dr. J.K.Jena, DDG(Fy.)	
45.	Dr. A.K.Vasisht, ADG(PIM)	
46.	Dr. R.K.Mittal, OSD (IR)	
47.	Dr. S.P.Kimothi ADG (Coord)	NIAEPR
48.	Dr.B.B. Singh, ADG (O&P)	
49.	Dr. P.S.Birthal, Director	NBPGR
50.	Dr. K.C.Bansal, Director	IASRI
51.	Dr. U.C.Sud, Director	IARI
52.	Dr.T.Mohapatra, Director	ICAR
53.	Sh.N.K.Jindal, DS(IR&TC)	
54.	Sh.Arun Goel, PS to DDG Edn)	
55.	Sh.Vinay Kumar, PA to ADG(Coord)	
56.	Sh.Jhuri Pal, (O&P Section)	DARE/ICAR
57.	Sh.J. Misra, US CG	
58.	Ms.Juliet Jose, SO (IC-CG)	
59.	Sh.J.N.Mahto, Asstt CG section	

