Agricultural Research Priority Setting Questionnaire for the Central and West Asia and North Africa (CWANA) Region

Country : _________________________

Sub-region (Circle one): West Asia - North Africa - Nile Valley and Red Sea - Arabian Peninsula - Central Asia and the Caucasus

1. BACKGROUND OF RESPONDENT

1.1. Name: __________________________________________________

1.2. 1. Title/Occupation: ___________________________________________

1.2. 2. Institution/Organization: ___________________________________________

1.3. Education & specialization: ___________________________________________

1.4. Major research interest(s): ___________________________________________

1.5. Experience in agriculture (number of years): ________________________

1.6. Involvement in agriculture (if more than one activity is checked, please give approximate % time allocated to each):

________ a. researcher
________ b. manager
________ c. farmer
d. extensionist
________ e. working in farmers organization
________ f. member of National Agricultural Research Institution
g. university staff
________ h. working in Non Government Organization
________ i. working in private sector
2. PRIORITY AGRO-ECOSYSTEMS

Rank the agro-ecosystems in your country, in order of their importance (*I being most important*) to agriculture, and prioritize them as high (H), intermediate (I) or low (L) in terms of need for research and technology generation:

<table>
<thead>
<tr>
<th>Agro-ecosystem</th>
<th>Rank</th>
<th>Priority (H, I, L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dryland (rainfed)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Desert areas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irrigated areas</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rangeland</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forests</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oasis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Others (specify)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3. COUNTRY PRIORITY SETTING

3.1. Prioritize commodity, non-commodity, and other research activities in your country as high (H), intermediate (I) or low (L), rank the components of each group in order of importance (*I = highest; 5 = lowest*), then identify the constraints associated with each (*more severe first and least severe last*).

<table>
<thead>
<tr>
<th>Research areas and other activities</th>
<th>Priority (H/I/L)</th>
<th>Rank</th>
<th>Research/development constraints*</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1.1. Commodities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1.1.1. Tree Crops</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Citrus</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Date Palm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Figs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Olives</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Stone fruits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Vineyards</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Others (specify):</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1.1.2. Vegetables</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Cucumber</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Leafy Vegetables</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Pepper</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Tomato</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Others (specify):</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 3.1.1.3. Tuber crops
- Potato
- Others (*specify*):

### 3.1.1.4. Cereals
- Barley
- Bread wheat
- Durum wheat
- Maize
- Millet
- Rice
- Sorghum
- Triticale
- Others (*specify*):

### 3.1.1.5. Food Legumes
- Chickpea
- Cowpea
- Faba bean
- Lentil
- Peas
- Beans
- Others (*specify*):

### 3.1.1.6. Oil Crops
- Brassica
- Groundnuts
- Safflower
- Sesame
- Soybean
- Sunflower
- Others (*specify*):

### 3.1.1.7. Industrial Crops
- Cotton
- Tobacco
- Groundnuts
- Sugarbeet
- Sugarcane
- Others (*specify*):
3.1.1.8. Forages
- Alfalfa/Lucerne
- Berseem (clover)
- Grasspea (lathyrus)
- Forage sorghum
- Oats
- Lupins
- Vetches (*Vicia* spp.)
- Others (*specify*):

3.1.1.9. Medicinal & aromatic plants

3.1.1.10. Livestock
- Camel
- Cattle
- Goats
- Sheep
- Poultry
- Others (*specify*):

3.1.1.11. Fish

3.1.2. Non-commodity research and other areas

3.1.2.1. Natural resource management and conservation
- Aquatic resources
- Biodiversity
- Soil
- Water

3.1.2.2. Production system management
- Cropping systems
- Livestock systems
- Rangelands
- Fishery
- Forestry
- Others (*specify*)

•
3.1.2.3. Emerging research areas
- Biotechnology
- Intellectual property rights
- GIS/remote sensing
- Post-harvest
- Others (specify)

3.1.2.4. Socio-economics
- Institutional economics
- Marketing and trade
- Prodn. economics & technology evaluation
- Planning & public policy
- Resource/environmental economics
- Social studies
- Others (specify):

3.1.2.5. Institutional and Human Resource Development
- Degree training
- Non-degree training
- Res. organization management
- Information systems
- Computer networks
- Documentation
- Public Awareness
- Others (specify):

* Examples of constraints could be: 1) Crops: lack of improved varieties; technology transfer; seed; marketing; others (specify); 2) Livestock: feed/nutrition; breeding; management (crop/livestock integration); health; others (specify).
3.2. List the criteria/considerations used in ranking and assigning priority
(Example: productivity growth; poverty alleviation; resource conservation; compatibility with national agricultural development policies; etc.)

4. VIEWS ON SUB-REGIONAL PRIORITIES

Taking into consideration the national priorities indicated in the previous section, and your knowledge of the sub-region, list top five priorities for agricultural research in your sub-region and give justification. (Underline your sub-region: North Africa - Nile Valley and Red Sea - West Asia - Arabian Peninsula - Central Asia and the Caucasus)

1 ________________________  ______________________________________________________

2 ________________________  ______________________________________________________

3 ________________________  ______________________________________________________

4 ________________________  ______________________________________________________

5 ________________________  ______________________________________________________

5. NATIONAL COORDINATION
&
BILATERAL AND SUB-REGIONAL COOPERATION

5.1. How would you qualify coordination in agricultural research among your country’s national research institutions, extension organizations, farmer organizations, universities, NGOs and private sector?

Level (circle one)  (Specify institutions concerned)

1 = Strong  ______________________________________________________

2 = Moderate  ______________________________________________________
3 = Poor  ______________________________
4 = Non-existing ______________________________

5.2. To what extent would you say agricultural research is contributing to economic
development in your country? (Circle one):
   1 = To a great extent
   2 = Moderately
   3 = Very little
   4 = Not at all

5.3. What do you think should/could be done to enhance the contribution of agricultural
research to economic development?

5.4. Specify areas of cooperation in agricultural research between your country and other
countries of the sub-region you are aware of:
   Bilateral level:
   __________________________________________________________
   __________________________________________________________

   Sub-Regional level:
   __________________________________________________________
   __________________________________________________________

5.5. In your opinion, how effective is cooperation in agricultural research between your
country and other countries of the sub-region?

<table>
<thead>
<tr>
<th></th>
<th>Bilateral Level</th>
<th>Sub-Regional Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 = Highly effective</td>
<td>__________________</td>
<td>__________________</td>
</tr>
<tr>
<td>2 = Moderately effective</td>
<td>__________________</td>
<td>__________________</td>
</tr>
<tr>
<td>3 = Weakly effective</td>
<td>__________________</td>
<td>__________________</td>
</tr>
<tr>
<td>4 = Non-existing</td>
<td>__________________</td>
<td>__________________</td>
</tr>
</tbody>
</table>

Why?

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

5.6. In what research areas should sub-regional cooperation be encouraged and why?
5.7. What mechanisms would enhance the sub-regional cooperation?

______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

5.8. What regional and/or international organizations are facilitating the bilateral or sub-regional cooperation and how effective is their contribution:

<table>
<thead>
<tr>
<th>Centers/Organizations/Institutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highly</td>
</tr>
<tr>
<td>Moderately:</td>
</tr>
<tr>
<td>Poorly</td>
</tr>
<tr>
<td>Not at all</td>
</tr>
</tbody>
</table>

5.9. Are you aware of your sub-regional organization?

AARINENA (Association for Agricultural Research Institutes for the Near East and North Africa): Yes _____ No _______

Or

Central Asia and the Caucasus (CAC) Regional Forum: Yes _____ No _______

5.10. If yes, how effective has it been in facilitating sub-regional cooperation? (Circle one)

   | 1 = Very effective |
   | 2 = Effective      |
   | 3 = Fairly effective |
   | 4 = Ineffective    |

5.11. How could this sub-regional organization become more effective in enhancing regional cooperation?
5.12. How would linkages with other agencies (ACSAD, AOAD, CIHEAM, CG Centers, FAO, UNDP and others) enhance regional cooperation?

### 6. COOPERATION & MODALITIES OF NARS/CG CENTERS INTERACTION

**6.1.** Name the CG Centers you are cooperating with and indicate the level of cooperation:

<table>
<thead>
<tr>
<th>Centers</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 = High</td>
</tr>
<tr>
<td></td>
<td>2 = Moderate</td>
</tr>
<tr>
<td></td>
<td>3 = Low</td>
</tr>
<tr>
<td></td>
<td>4 = None</td>
</tr>
</tbody>
</table>

CG Centers: CIAT; CIFOR; CIMMYT; CIP; ICARDA; ICLARM; ICRAF; ICRISAT; IFPRI; IITA; ILRI; IPGRI; IRRI; ISNAR; IWMI; WARDA;

**6.2.** For each of the above Centers with which you are cooperating, identify specific areas of research cooperation:

<table>
<thead>
<tr>
<th>Centers</th>
<th>Areas of research cooperation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**6.3.** Identify the mechanism(s) used to enhance cooperation with specific Centers:

<table>
<thead>
<tr>
<th>Mechanism</th>
<th>Centers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Networks</td>
<td></td>
</tr>
<tr>
<td>Coordination meetings</td>
<td></td>
</tr>
<tr>
<td>Traveling workshops</td>
<td></td>
</tr>
</tbody>
</table>
- Exchange of visits
- Exchange of germplasm
- Exchange of other research materials
- Capacity building
- Information exchange
- Others (specify):

6.4. Indicate the effectiveness (1 = high; 2 = medium; 3 = low) of these mechanisms:

<table>
<thead>
<tr>
<th>Mechanisms</th>
<th>Effectiveness</th>
<th>Why?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Networks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Coordination meetings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Traveling workshops</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exchange of visits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exchange of germplasm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exchange of other research materials</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information exchange</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Others (Specify):</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6.5. In your opinion, to what extent do the CG Centers you are cooperating with coordinate their activities with each other?

<table>
<thead>
<tr>
<th>Extent of coordination</th>
<th>Centers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 = High</td>
<td></td>
</tr>
<tr>
<td>2 = Moderate</td>
<td></td>
</tr>
<tr>
<td>3 = Low</td>
<td></td>
</tr>
<tr>
<td>4 = None at all</td>
<td></td>
</tr>
</tbody>
</table>

6.6. How could the collaboration between NARS and CG Centers be best improved?

<table>
<thead>
<tr>
<th>Through</th>
<th>Centers</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
1. Broad program support
2. Specific collaborative projects
3. Enabling research support
4. Contract research
5. Networks
6. Others (specify):

6.7. In view of your country/sub-region specific research needs, how should the CG Centers allocate their resources to strategic vs. adaptive/applied research? (Circle one):

1 = 100% to 0  2 = 75% to 25%  3 = 50% to 50%  4 = 25% to 75%

6.8. In your opinion, does cooperative research on natural resources and environment require a different approach than cooperative research on commodities? 1= Yes; 2 = No

If yes, why?

6.9. What role should networks have in facilitating cooperation in agricultural research and what form should they take?

(Key words --- National / sub-regional / regional, Information exchange / scientific data exchange / germplasm and technology exchange / collaborative research. Formal/informal. Lead country / nodes in region).

6.10. What type of training can best assist the cooperation between NARSs and the CG Centers?

(Key words --- Headquarters/Non-Headquarters/in-country, Short/long term, Degree/Non-degree training. Level of trainees).
6.11. What documentation and information dissemination system can be used to enhance cooperation between NARSs and CG Centers and the public awareness of their joint work?

6.12. How can involvement of other parties help in facilitating the research complementarity and cooperation between NARSs and CG-Centers?
(Key words --- Donor support / Advanced Research Institutions / Funds in trust / Project formulation / Regional projects / Bilateral and self-funded projects).

THANK YOU FOR YOUR TIME!

Date filled

..................................................