

CIRCULATION COVER SHEET FOR DRAFT LETTER OF AGREEMENT

	Original signature, electronic signature or clearance by email* (*attach to hard copy of LOA)	Date
PREPARATION & CLEARANCE PHASE:		
Prepared by: Originator	Anita Regmi	
Supervisor	Stephan Weise	
Michael Halewood (if deviation from default on Intellectual properties, Clause 11, please mark with x in box). Originator provide justification overleaf)		
PBFA – for all projects except E11 Region-based Accountants for E11 regional expenditures Accounting Asst – Budget (G. Beltrame) for Europe regional expenditures , ILAC, IMS		
ADG (only in cases of pre-financing)		
Programme Director/ Head of a Unit/ Regional Director (for E11)	Anita Regmi	
DCS/ADG/DDG/DHR (for LOAs above \$50k but less than \$100k)		
DG (for all LOAs above \$ 100k)		
Finance Manager (only for LOAs being finalized at HQ); For LOAs finalized in Regional Offices, LOAs are cleared by the Accountant and/or Financial and Administrative Officer depending on the regional office’s local policies and procedures		
FINALIZATION PHASE		
LOAs up to \$50k can be finalized in Regional Offices LOAs are finalized in HQ in the Programme /Unit which the LOA falls under		

Please complete information overleaf

- 1) Choice of collaborator: Letter of Agreement with the Centro Manlio Rossi-Doria for the selection of a post Doc student affiliated to the University of Roma Tre

NOTA: le lettere d'intenti, quindi, dovrebbero essere due: una tra l'Ente esterno e il Centro Rossi Doria, l'altra tra il Centro e il Dipartimento che dovrà bandire l'assegno?

- 2) Justification if more than 50% is required on advanced payment (*if applicable*):

NOTA: l'importo pari al 50% del finanziamento dovrebbe essere disponibile (cioè incassato) prima della pubblicazione del bando

- 3) Deviation from default on Intellectual Property Clause 11 (*if applicable*). As per the Administration Circular 04/02 please discuss alternative option with Michael Halewood and insert your suggested option with justification below:

- 4) Please complete header with the LOA No. and short title for reference.

- 5) Please insert persons to be copied:

c.c.Bioversity International Registry

March 31 2015

Centro Ricerche Economico e Sociali Manlio Rossi-Doria
Roma Tre University
Via Silvio D'Amico 77
00145 Roma

Dear <name>

Bioversity International¹ wishes to enter into an agreement with Centro Ricerche Economico e Sociali Manlio Rossi-Doria (hereafter Centro Manlio Rossi-Doria) to undertake activities in relation to foresight modelling work on the terms and conditions set out below.

1. Scope of Work

Modelling to estimate the value of social benefits arising from safeguarding agriculture and tree biodiversity

- 1.1 The work to be undertaken is described in the documents annexed to this agreement.
<Annex A>

2. Timing

- 2.1 *The timeframe for the work to be undertaken, including provision of services, delivery of reports etc. should be set out specifying all relevant dates: commencement, progress or interim stages, completion. If progressive delivery of elements of the work is required a precise timetable must be specified.)*

3. Specified Personnel

- 3.1 Centro Manlio Rossi-Doria should ensure that the following work, namely “modelling to estimate the value of social benefits arising from safeguarding agriculture and tree biodiversity” is supervised by Luca Salvatici and conducted by a student selected jointly by the *Centro Manlio Rossi-Doria* and Bioversity

4. General Reporting

- 4.1 Bioversity International requires reports as set out in 4.4 below. The purpose of the reports is to place on record in a complete, useful and durable form the outcome of the agreement.
- 4.2 All reports should include a fact sheet according to the format given in **Attachment A**.

¹ With effect from 1 December 2006, IPGRI and INIBAP operate under the name “Bioversity International”, Bioversity for short.

- 4.3 Reports should be written in a clear, simple style and in English. A copy of the Bioversity International Style Guide is available on request.
- 4.4 *For a research project: Introduction (States the reasons for and objectives of the project. Introduces the activities covered in the report.); Materials and Methods; Results; Recommendations; Bibliography; Attachments (e.g. glossary, maps, tables, illustrations).*
- 4.5 Three copies of each report, plus a readable wordprocessing file (preferably MS Word file or if unavailable a PDF file) should be submitted to Bioversity International according to a schedule given in 2, above.
- 4.6 Efforts should be made, where possible, to jointly publish the results of research preferably in peer reviewed scientific journals.
- 4.7 Where Bioversity International staff have made a scientific or identifiable contribution to the research to be published, those Bioversity International staff should be included in the authors of the publication.
- 4.8 Data will be made available or its collection will be facilitated through Bioversity's networks. Bioversity shall grant access to any existing data sets and research information as may be useful to the student in completing the tasks decided. Should the student collect his own data, the student shall provide to Bioversity a copy of all original data collected in the course of his research, saved in viable form. Bioversity will also be provided with useable versions of any other products of the research such as, but not limited to, methodologies including data analysis methods, surveys, photographs, presentations, and the like. All such data and data analysis products resulting from the research will be provided to Bioversity in a manner that will allow such data to be archived to ensure the availability for future use by others. Such data and analysis will also be available for future use by the Centro Manlio Rossi-Doria, without permission from Bioversity. However, attribution to Bioversity as the holders of the copyright to such data and written products of analysis performed during the project must be acknowledged. The Centro Manlio Rossi-Doria will provide information to Bioversity regarding the provision of the material to others.

5. Budget and Financial Reporting

- 5.1 Bioversity International has approved a budget totaling *<amount and currency>*. Details of the budget are set out in the annexed financial schedules (**Attachment B**) and initialed by the parties for the purpose of identification.
- 5.2 *The Centro Manlio Rossi-Doria* agrees to provide Bioversity International with financial statements certifying that the funds have been spent for the agreed purposes and itemized according to the budget headings and with the frequency set out in the annexed financial schedules.
- 5.3 *The Centro Manlio Rossi-Doria* keep books, records and original vouchers for up to five years following the date of the completion specified in the LOA.
- 5.4 *The Centro Manlio Rossi-Doria* agrees at all times for Bioversity International representatives to inspect the books and documents kept in connection with the LOA and visit the work site. It shall also supply all information requested by Bioversity International representatives.

6. Payments

- 6.1 Bioversity International agrees to make payments for the work defined in the Scope of Work as set out in the annexed financial schedules.
- 6.2 Bioversity International will not make the prescribed payments unless the required progress and financial reports have been received.
- 6.3 Any unspent funds remaining upon completion of the work will be returned to Bioversity International.

7. Bioversity International Assistance

- 7.1 Bioversity International shall provide the following facilities free of charge to *<name of Commissioned Organization or Contractor>* for the work described in the Scope of Work:

(a) office accommodation at Bioversity International premises for up to *<number>* personnel of *<name of Commissioned Organization or Contractor>*;

(b) such normal office services and facilities as are reasonably required by *<name of the Commissioned Organization or Contractor>*'s personnel for the performance of the work described in the Scope of Work;

(c) access to Bioversity International's data processing system, word processing services, and duplicating services will be made available for the recording or processing of information relating to the work defined in the Scope of Work.

8. Insurance

- 8.1 Bioversity International declines every form of responsibility for actions, claims, demands, costs and expenses which may arise from or be a consequence of any unlawful or negligent act or omission of The Centro Manlio Rossi-Doria its employees or agents in carrying out the work described in the Scope of Work.
- 8.2 Therefore when deemed necessary, the Centro Manlio Rossi-Doria should take out appropriate insurance cover for all staff and/or activities financed through this agreement, such as, but not limited to: health, life, accidents, long term disability, workers compensation, travel, public liability etc. The decision whether or not such insurances are required, rests entirely with the Centro Manlio Rossi-Doria .

9. Bioversity International Coordinator

- 9.1 The person holding, occupying or performing the duties of Head of the Development Impact Unit , currently Anita Regmi, shall have responsibility for supervision of the Agreement on behalf of Bioversity International and will have authority to issue and receive any written notification under the Agreement.

10. Terms and Conditions of Agreement

- 10.1 The attached terms and conditions marked **Attachment C** and entitled "GENERAL CONDITIONS FOR AGREEMENTS" shall form part of this Agreement.

11. Intellectual properties

- 11.1 All rights, titles and interests in intellectual property based on Agreement Material (including copyright, patent, trade secret, trademark rights and database rights) produced by Bioversity International or its personnel in conjunction with the Centro Manlio Rossi-Doria will be assigned jointly to Bioversity International and the Centro Manlio Rossi-Doria.
- 11.2 Bioversity International and *the* Centro Manlio Rossi-Doria agree to grant one another, non-exclusive, royalty-free licenses to use, reproduce and distribute agreement material without any need to obtain permission from one another for those purposes. Bioversity International and *the* Centro Manlio Rossi-Doria further agree to grant one another the right to grant sub-licenses to their project partners. Both parties agree to make reasonable efforts to ensure that third parties publicly recognize the authors and publishers of agreement materials and the joint institutional support of Bioversity International and the Centro Manlio Rossi-Doria in their creation.
- 11.3 Intellectual property based on work *outside* this Agreement shall remain with each party, and no rights thereto are provided in this Agreement.
- 11.4 Any publications or other outputs resulting from activities carried out under this contract/agreement will be done in consultation with Bioversity International and will include one or more Bioversity scientists as co-author(s), following standard scientific practice.

12. Acceptance

- 12.1 A duplicate of this letter is enclosed with an endorsement that provides for notification of acceptance. If you agree to provide the work specified in the Scope of Work as set out and attached to this letter your acceptance must be notified by signing, dating, and returning the enclosed duplicate letter to Bioversity International. Receipt by Bioversity International of acceptance in writing of these terms and conditions will constitute the entire agreement for the provision of the work described in the Scope of Work

Yours sincere

(Please refer to the Admin Circular on appropriate signatories on the LOA).

Centro Ricerche Economico e Sociali Manlio Rossi-Doria agrees to provide the work described in the above letter in accordance with the terms and conditions set out in and attached to this letter.

For and on behalf of Centro Ricerche Economico e Sociali Manlio Rossi-Doria

Dated this.....day of 20..

Name:

Title:

**BIOVERSITY INTERNATIONAL REPORT FACT SHEET
A**

Attachment

Library Report No. (Library use only)	
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All required sections of this Fact Sheet are **completed by the Author of the Commissioned Organization or Contractor**. Once completed, this Fact Sheet should be attached to the front of the report.

FULL TITLE of REPORT/PROJECT		
AUTHOR of Commissioned Organization or Contractor (Name and title of person)		
NAME/ADDRESS of Commissioned Organization or Contractor		
DATE REPORT SUBMITTED		
TYPE OF REPORT i.e. progress/final		
PREVIOUS REPORTS (Please fill in dates and add more lines if necessary) <i>To be completed by BIOVERSITY INTERNATIONAL Coordinator</i>	1 st Progress Report	Date:
	2 nd Progress Report	Date:
	3 rd Progress Report	Date:
	Final Report	Date:
BIOVERSITY INTERNATIONAL LETTER OF AGREEMENT <i>To be completed by BIOVERSITY INTERNATIONAL Coordinator</i>		
BIOVERSITY INTERNATIONAL PROJECT CODE <i>To be completed by BIOVERSITY INTERNATIONAL Coordinator</i>		
BIOVERSITY INTERNATIONAL CONTACT		
ABSTRACT (Minimum 100 words)		
KEYWORDS	Country/Region: Crop(s): Subject:	

Attachment B

**BIOVERSITY INTERNATIONAL
AGREEMENT FINANCIAL SCHEDULES**

DETAILS OF COMMISSIONED ORGANIZATION OR CONTRACTOR	
Surname	First Name
Title (Dr etc)	Position
Institute Name	
Address	
Telephone	
Fax	E-Mail

CONTACT SCIENTIST (<i>if different from above</i>) FOR DETAILED PROJECT INFORMATION	
Surname	First Name
Title (Dr etc)	Position
Institute Name	
Address	
Telephone	Fax
Email	

DATE OF PREPARATION (day/month/year)	
TOTAL COST OF THE AGREEMENT	<i>Insert with currency</i>

TITLE OF PROJECT

For BIOVERSITY INTERNATIONAL office use only	
Project/Activity	
Budget Code/Funding	
LOA Number	
BIOVERSITY INTERNATIONAL Coordinator	

BUDGET

	<i>Please enter currency i.e. U.S. \$</i>
PERSONNEL	
SERVICES	
TRAVEL	
SUPPLIES	
CAPITAL	
OVERHEADS	
TOTAL	

SCHEDULE OF PAYMENTS, FINANCIAL REPORTS AND BANKING INSTRUCTIONS

1. Payments and Financial Reports

Payment Number	Date of Payment	Amount of Payment	Financial Report Dates
1			
2			
3			
4			
5			
Final Payment ²			
TOTAL			

2. Banking Instructions

a) Currency required	
(b) Bank Account Number	
In the name of	
(c) Name of bank	
Address of bank	
Swift/BIC Code:	
IBAN Code:	

² Please note that a portion of the total contract value is withheld by Bioversity International pending receipt of the final technical and financial reports from the collaborating institution

Attachment C

GENERAL CONDITIONS FOR AGREEMENTS

- 1. Interpretation**
 - 1.1 In these Conditions:
 - (a) With effect from 1 December 2006, IPGRI and INIBAP operate under the name "Bioversity International", Bioversity for short.
 - (b) "the Agreement" means the Agreement under which the work described in the Scope of Work is to be provided to Bioversity International including these General Conditions.
 - (c) "the Scope of Work" means the work to be performed under the Agreement.
 - (d) "the Commissioned Organization or Contractor" means the party who by the Agreement undertakes to provide the work described in the Scope of Work.
 - (e) " the agreement material" means all the material brought or required to be brought into existence as part of, or for the purpose of performing the work described in the Scope of Work including, but not limited to, documents, equipment, information and data stored by any means.
 - 1.2 Words importing a gender include the other gender. Words in the singular number include the plural and words in the plural number include the singular.
- 2. Variation of Agreement**
 - 2.1 No agreement or understanding that varies or extends the Agreement (including in particular the Scope of Work) and would result in an increase in the monies payable by, or other liability of Bioversity International shall be legally binding upon either party unless in writing and signed by both parties.
- 3. Agreement Material**
 - 3.1 On the expiration or earlier termination of the Agreement, the Commissioned Organization or Contractor shall deliver to Bioversity International all agreement material.
 - 3.2 The Commissioned Organization or Contractor shall ensure that the agreement material is used, copied, supplied or reproduced only for the purposes of the Agreement.
- 4. Permission for publication and publicity**
 - 4.1 To ensure the quality of Bioversity International associated products, the Commissioned Organization or Contractor, its employees or agents shall not disclose or make public any information or material produced in connection with or by the performance of the work described in the Scope of Work bearing the Bioversity International name or Bioversity International logo without prior approval in writing of Bioversity International. In addition, any publication arising from the work undertaken under the Agreement, the Commissioned Organization or Contractor shall acknowledge Bioversity International's support.
- 5. Conflict of Interest**
 - 5.1 The Commissioned Organization or Contractor warrants that, at the time of entering into the Agreement, no conflict of interest exists or is likely to arise in the performance of its obligations under the Agreement. If, during the terms of the Agreement, a conflict or risk of conflict of interest arises, the Commissioned Organization or Contractor undertakes to notify Bioversity International immediately in writing of that conflict or risk.
- 6. Currency of Payments**
 - 6.1 Payments by Bioversity International or the work described in the Scope of Work shall be made in the currency of the agreed budget. No compensatory adjustments will be made by Bioversity International for changes in rates of exchange to any other currency.

7. Security

7.1 The Commissioned Organization or Contractor shall, when using Bioversity International's premises or facilities, comply with all security and office regulations in effect at those premises or in regard to those facilities, as notified by Bioversity International.

8. Negation of Employment, Partnership and Agency

8.1 The Commissioned Organization or Contractor shall not represent itself, and shall ensure that its employees do not represent themselves, as being employees, partners or agents of Bioversity International.

8.2 The Commissioned Organization or Contractor shall not by virtue of this Agreement be or for any purpose be deemed to be an employee, partner or agent of Bioversity International.

9. General Principles for Genetically Modified Organisms

9.1 The Commissioned Organization or Contractor hereby undertakes to comply with the Guiding Principles for Genetic Modified Organisms (GMOs) as attached to these General Conditions in carrying out the work to be performed under the Agreement.

9.2 Bioversity International shall have the right to audit the work of the Commissioned Organization or Contractor to ensure that the Guiding Principles for GMOs are being complied with and shall have the right to terminate the Agreement without compensation should it find that the Guiding Principles for GMOs are not being fully complied with.

10. Termination of Agreement

10.1 Bioversity International may at any time by written notice to the Commissioned Organization or Contractor, terminate or constrict the Agreement or any part of the Agreement, and upon such notice being given, the Commissioned Organization or Contractor shall cease or reduce work according to the tenor of the notice and shall forthwith immediately do everything possible to mitigate consequential losses to Bioversity International.

10.2 In that event the Commissioned Organization or Contractor may submit a claim for compensation and Bioversity International shall pay to the Commissioned Organization or Contractor such sums as are fair and reasonable in respect of any loss sustained by the Commissioned Organization or Contractor in unavoidable consequence provided that:

- (a) the Commissioned Organization or Contractor shall not be entitled to compensation for loss of prospective profits;
- (b) Bioversity International shall not be liable to pay any sum which, in addition to any amounts paid or due or becoming due to the Commissioned Organization or Contractor under the Agreement, would together exceed the full cost ordinarily payable under the Agreement; and
- (c) The Commissioned Organization or Contractor shall not be entitled to compensation for any sums that the Commissioned Organization or Contractor is able to recover from any insurance.

11. Default

11.1 If the Commissioned Organization or Contractor fails within fourteen days after receipt of written notice to remedy any default in the performance of the following obligations, namely:

- (a) to commence or to proceed at the rate of progress strictly in accordance with the Agreement; or
 - (b) to perform or observe the terms and conditions of the Agreement,
- Bioversity International may, by written notice, terminate the Agreement and recover from the Commissioned Organization or Contractor any loss or damage suffered by Bioversity International.

12. Settlement of Disputes

- 121.1 Without prejudice to the foregoing, any dispute or disagreement arising from the interpretation or execution of the Agreement shall be settled by arbitration as follows:
- (a) both parties will first endeavour to settle any difference amicably by direct dealings;
 - (b) if no agreement is reached within sixty days, the matter will be submitted to arbitration upon the application of either party;
 - (c) there will be three arbitrators, one to be appointed by Bioversity International, one by the Commissioned Organization or Contractor and the third, as Chair, jointly appointed by both parties;
 - (d) in case of disagreement, the third arbitrator will be appointed according to the Rules of the United Nations Commission on International Trade Law (UNCITRAL). The UNCITRAL Rules will apply to any arbitration proceedings, arbitration will take place in a neutral country and the official language of the proceedings will be English.

Attachment D

Bioversity's Statement of Principles on GMOs

GMOs have two distinct roles in agricultural research: as tools, to facilitate discovery, and as outputs with specific benefits. In both, Bioversity will adhere to five primary principles.

Bioversity will ensure transparency in all its work related to GMOs.

Bioversity's work with GMOs will be designed to produce global public goods.

Bioversity will only engage in projects that take into account socio-economic implications, intellectual property rights and environmental and health impacts.

Bioversity will only engage in projects that observe the highest standards of safety in the conduct of laboratory and field experiments, meeting national and international legislation and codes of conduct.

Bioversity will work with partners to study the impact of potential and actual gene flow from GMOs to local varieties and wild relatives, especially in centres of origin or diversity and as it relates to the use and conservation of agricultural biodiversity.

Annex A.

Post-doctoral research opportunity at Bioversity International

Modelling to estimate the value of social benefits arising from safeguarding agriculture and tree biodiversity

Location: The student will be based in Rome and have a joint appointment with Roma Tre University and Bioversity International.

Level: PhD completed

Bioversity Programme: Development Impact Analysis

Supervisor: Anita Regmi in Bioversity International and Luca Salvatici at Roma Tre

Research focus

Conservation of global agriculture and tree biodiversity can contribute toward a sustainable solution to ensure global food and nutrition security despite the anticipated adverse impacts of climate change. Various studies indicate that diversity in food production contributes to diversity in local food availability which, in turn, contributes to health outcomes of individuals. Maintenance of biodiversity on farmer's fields and landscapes is therefore important in ensuring future availability of nutritious and diverse food, particularly in areas with poor market linkages. Biodiversity conservation on farms and on landscapes also allows plants and animals to undergo natural evolutionary processes which consequentially generate broad genetic variation that is essential for adaptation and for resilience against future threats from pests and diseases.

Maintaining *in-situ* biodiversity can be viewed as an insurance against future disasters from pests and diseases which could potentially wipe out less heterogeneous populations. Agricultural production systems that maintain biodiversity have been shown to experience less pest and disease damage resulting in lower production costs and lower environmental externalities from chemical crop protection measures. The benefits of biodiversity and the maintenance of diverse rural landscapes can therefore include, among others:

- access to improved diets
- more resilient crop and livestock systems
- improved management of natural resources

Despite these benefits, agricultural biodiversity continues to be eroded as a result of a mismatch, over time and space, between costs and benefits incurred to individuals and society in biodiversity conservation and use. Costs of maintaining diversity generally are incurred by individual landholders or operators and these are costs which occur in real time. The returns from these activities, in contrast, may occur over a long period and may not cover the costs of the operator in the short term. In addition, the benefits can likely be enjoyed not just by the land-owner or operator, but also by the community and the whole world. Since markets are poor at valuing many of the benefits of agricultural biodiversity, market prices tend to underestimate their worth, leading to poor resource allocation decisions, which can result in a lower current or future supply of these benefits than is socially optimal. Unless policies and interventions are implemented to correct for existing market failure, there may be little incentive to maintain agricultural biodiversity at socially optimal levels.

Therefore it is important to have a better understanding of different benefits which can result from the maintenance of agricultural biodiversity and be able to estimate these quantitatively in economic

terms. Modelling tools can help identify the potential benefits and different options that can be used to address the market failure. Toward this objective, Bioversity International is initiating a program to develop a set of geospatial analytic tools to estimate the value of benefits enjoyed by society through the enhancement and/or safeguarding of agriculture and tree biodiversity.

As part of this effort, Bioversity International is interested in developing a computable general equilibrium model which will estimate the benefits accruing to society through safeguarding agriculture and tree biodiversity. This post-doctoral position is designed to work with other related efforts focused on developing functional relationships between agricultural management and ecosystem services and incorporate these relationships in a CGE model prototype. While this will be a joint effort of Roma Tre University and Bioversity International, the work is expected to draw upon many other ongoing work streams of CGIAR Research Programs (CRPs.)

Objectives

The overall objective of the post-doctoral research activity will be to work with Roma Tre University and Bioversity International to develop a CGE model prototype for a selected geography to enable estimating the value to society of safeguarding agricultural biodiversity. This will likely involve incorporating into the model key ecosystem services which are affected by biodiversity conservation. These may include pest/disease risks, pollination, soil quality, and water use efficiency. The model should allow examining trade-offs in terms of benefits to society between increasing crop productivity, nutrition outcomes and ecosystem services.

Methodology

- Literature review
- Assembly and management of existing data
- Model coding and construction
- Simulation analysis
- Model validation
- Preparation of report and presentation of results in different fora

Background and experiences required

- Ph.D. in economics or public policy
- Experience in CGE modelling with familiarity with GTAP and MIRAGE models
- Additional experience in using GAMS program is preferred
- Strong statistical/econometric modelling and programming skills
- Fluency in English (both written and oral)
- Evidence of ability to initiate and complete research characterized by originality, creativity and innovation.
- Excellent interpersonal skills and the ability to work in a multi-cultural environment

Desirable:

- Evidence of a track record in elaborating peer-reviewed publications
- Previous experience in organizing and supporting the coordination of technical meetings and workshops with national research partners.
- Knowledge about GIS

Outputs

- A full dataset with existing data cleaned and organized
- The full coding of the model developed
- A report and related publications from the work.