



FONDECYT NATIONAL RESEARCH FUNDING COMPETITION

2006 REGULAR COMPETITION

I. GENERAL INFORMATION

Proposal Type FONDECYT Council
 1. Science
 2. Technology
 Proposed length (Up to 4 years)

Proposal Title:

Proposal keywords

Primary Field
 Secondary Field
 Application Sector

I.1. FUNDING REQUEST SUMMARY

<u>BUDGET ITEMS</u>	Thousand Chilean \$ (1000 CHP)				
	2006	2007	2008	2009	Total
Staff					
Travel					
Operational Expenses					
Equipment					
Annual Total					

I.2. PRINCIPAL INVESTIGATOR

FATHER'S SURNAME MOTHER'S MAIDEN SURNAME NAMES TAXPAYER ID NUMBER

MAILING ADDRESS

CITY P.O. BOX TELEPHONE FAX

E-MAIL ADDRESS PRINCIPAL INVESTIGATOR SIGNATURE

INSTITUTION

I.3. SPONSORING INSTITUTION(S): Performing Unit(s)

	INSTITUTION NAME (University/Faculty/Department)	Authorized Signature	FONDECYT USE
1			
2			
3			
4			

I.4. ADDITIONAL FUNDING COMMITTED FROM OTHER INSTITUTIONS/SOURCES. If applicable, indicate the amount contributed by other institutions/enterprises interested in the proposal results. Please attach certifying letters.

INSTITUTION(S)	CONTRIBUTION(1000 CHP\$)	Uso FONDECYT
TOTAL		

I.5 COINVESTIGATORS.

REMINDER

In accordance with the terms of the 2006 competition, be aware that a researcher's signature as:

- COINVESTIGATOR IN 2 PROPOSALS
- PRINCIPAL INVESTIGATOR IN 2 PROPOSALS

will cause immediate elimination from all proposals in which he/she participates.

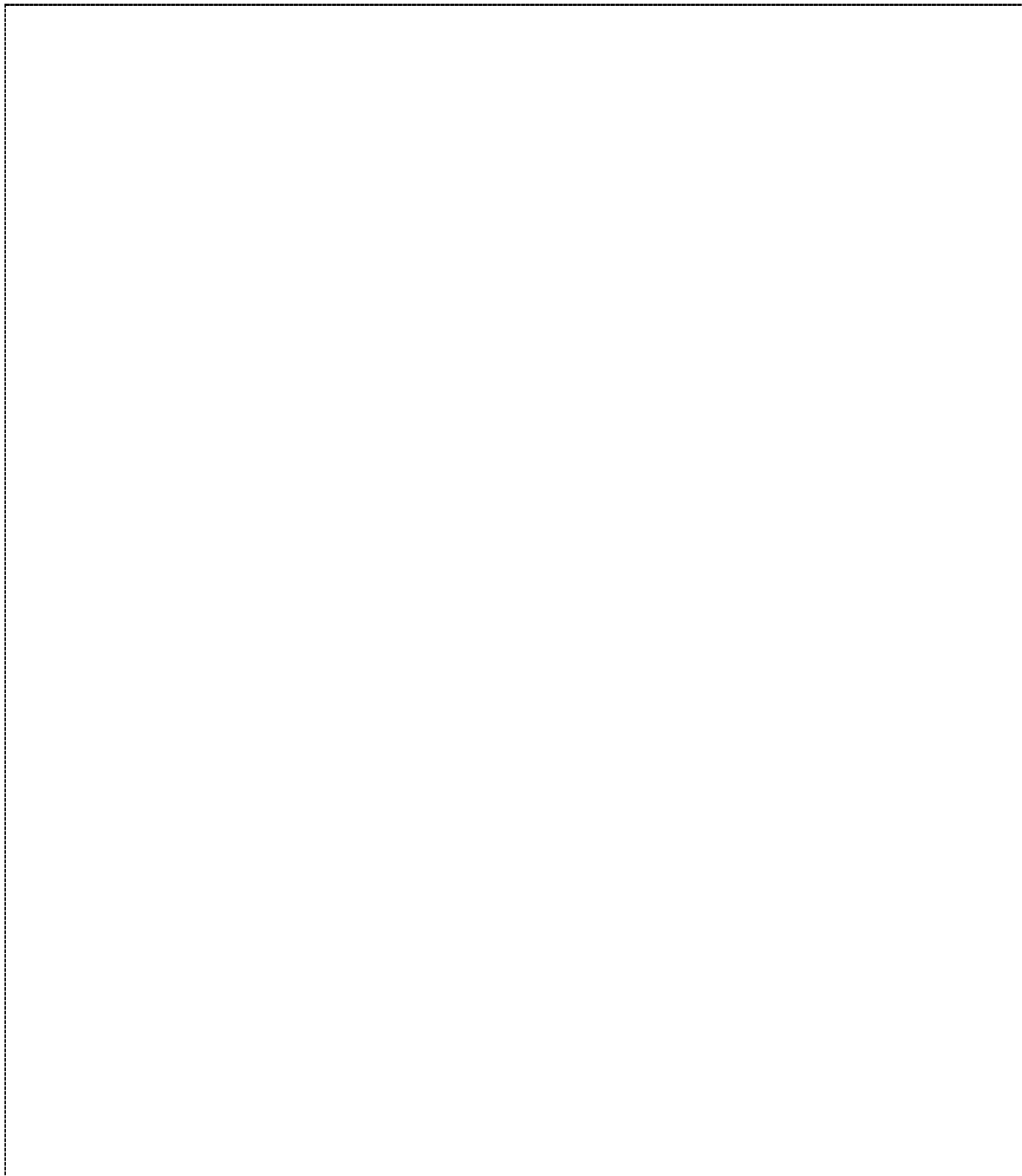
The CoInvestigators, whose signatures appear below, commit themselves to participate in this proposal until its full completion. See item 3.7 of this competition terms.

Use an asterisk (*) to identify the CoInvestigator who would act as Principal Investigator (PI) in case of a temporary absence of the latter. **Do not** include CoInvestigators without residence in Chile. Funding for these participants, if applicable, may be applied for through the 2006 International Cooperation Incentive Competition.

TAXPAYER ID #	FATHER'S SURNAME	MOTHER'S MAIDEN SURNAME	NAMES	SIGNATURE
*				
Institution Name				
Institution Name				
Institution Name				
Institution Name				
Institution Name				
Institution Name				

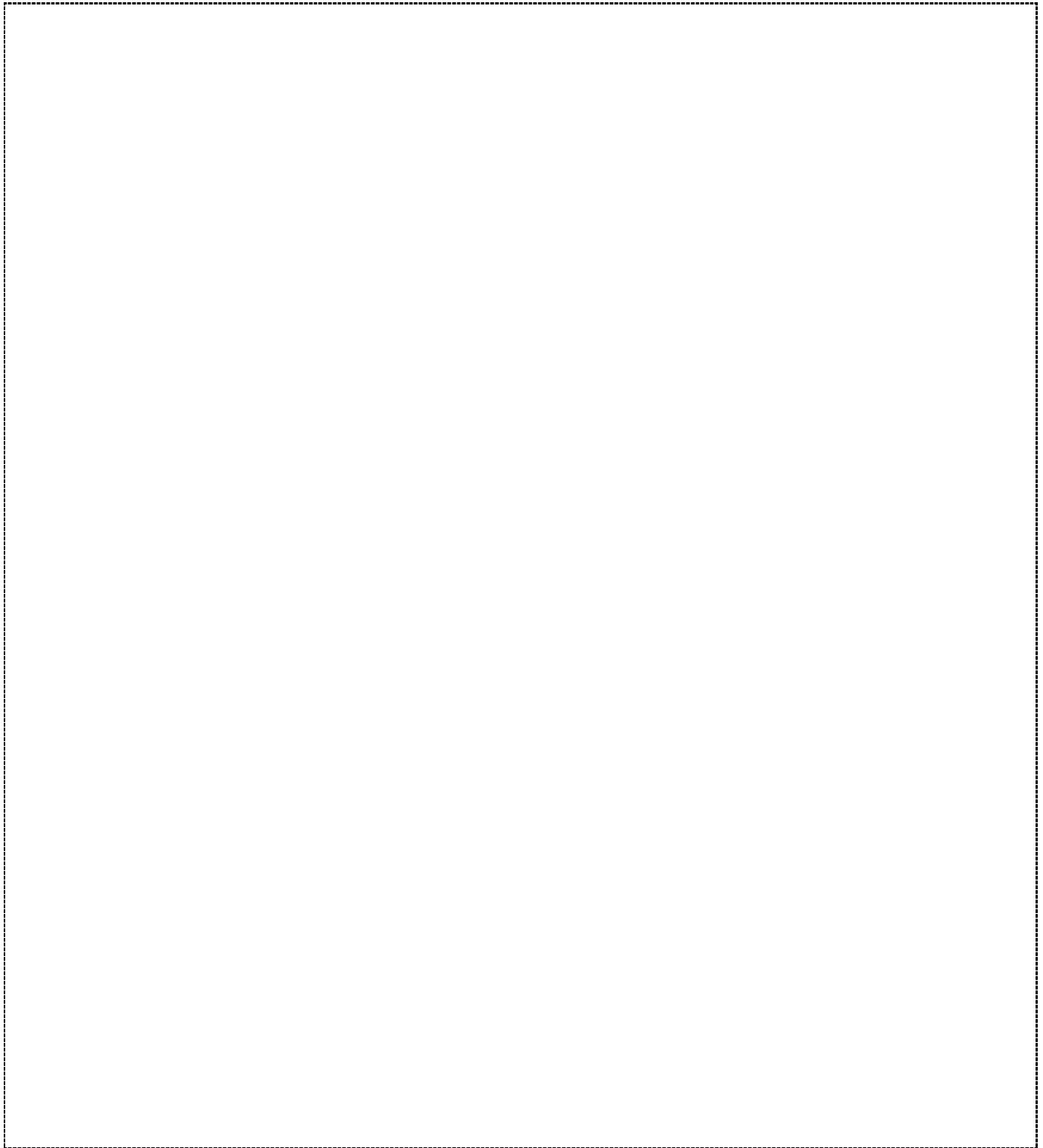
II. PROPOSAL ABSTRACT:

Must be clear and informative. Describe the main issues you plan to address, including goals, methodology and expected outcomes. A good summary facilitates an adequate description and understanding of what you intend to achieve. Please use a font and letter size similar to the one used here. If selected, this abstract may be published in CONICYT's web page.

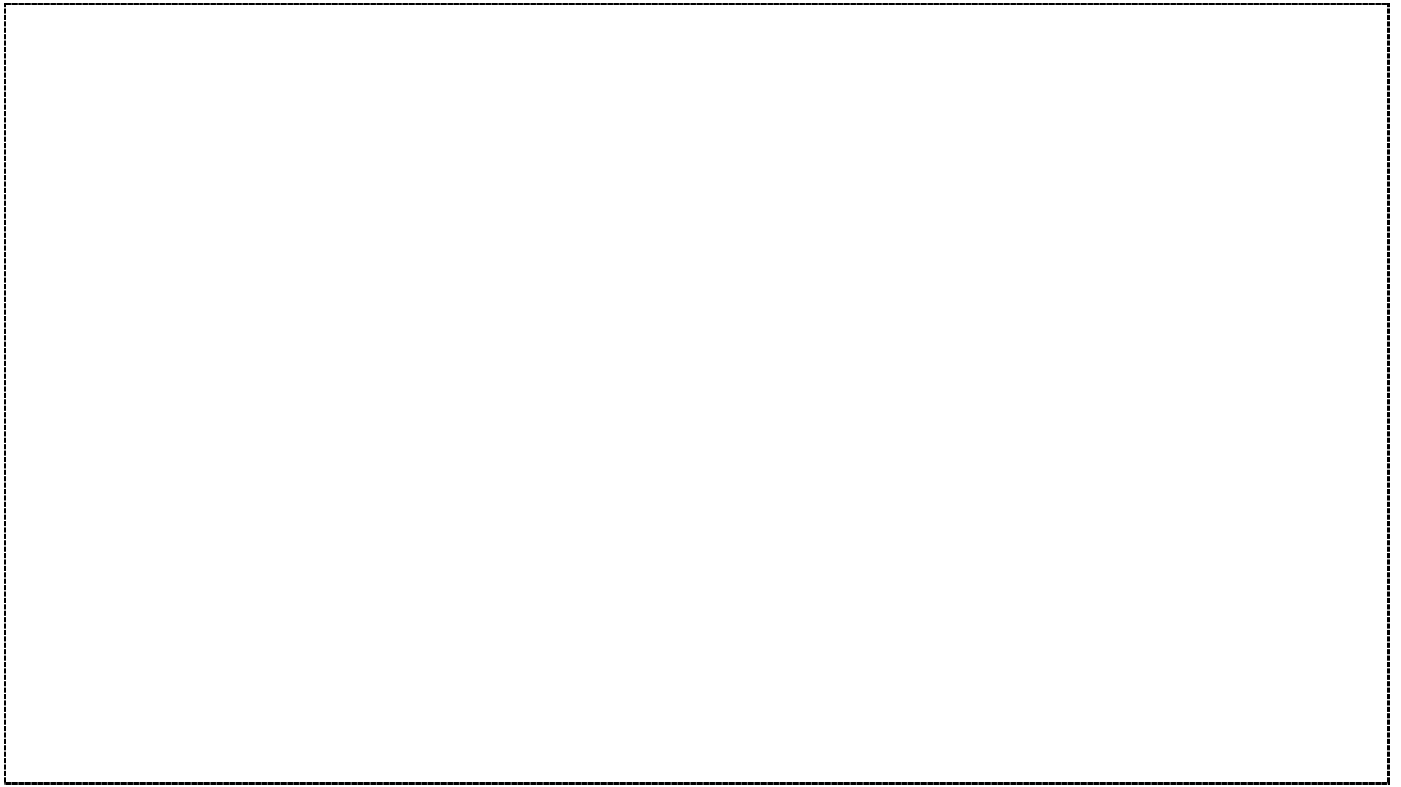


III. PROPOSED RESEARCH.

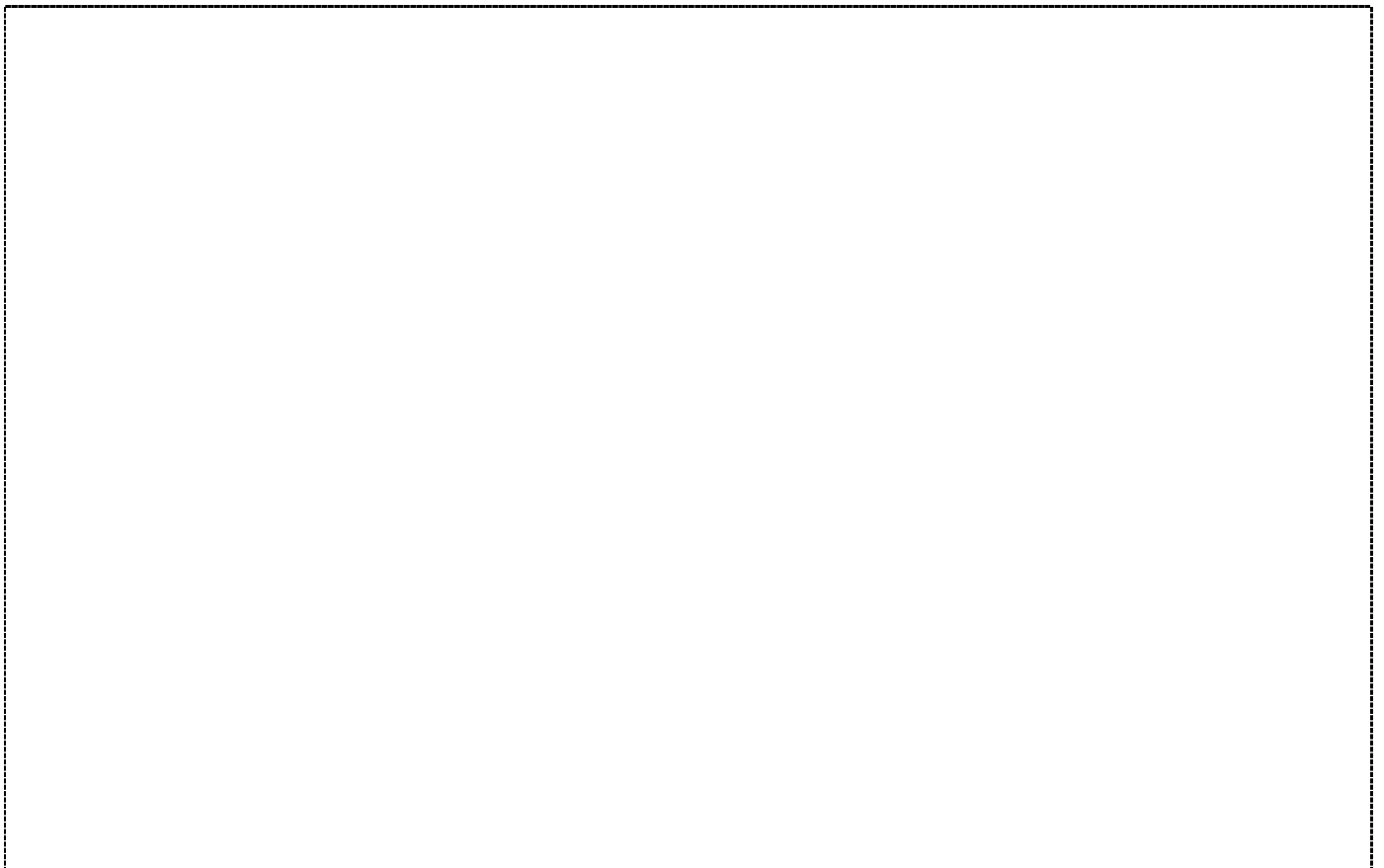
III.1 PROPOSAL DESCRIPTION, THEORETICAL BACKGROUND AND LITERATURE REVIEW: This section must include a general presentation of the problem to investigate, including novel aspects that you intend to address, approaches currently being used to solve it, theoretical background and review of the current literature on the topic. The maximum length of this section is **8 pages**. Please use a font and letter size similar to the one used here. Use additional sheets to list your cited references.



III.2 HYPOTHESES: State your working hypotheses. Use the available space only.

A large, empty rectangular box with a thin black border, intended for the applicant to write their working hypotheses.

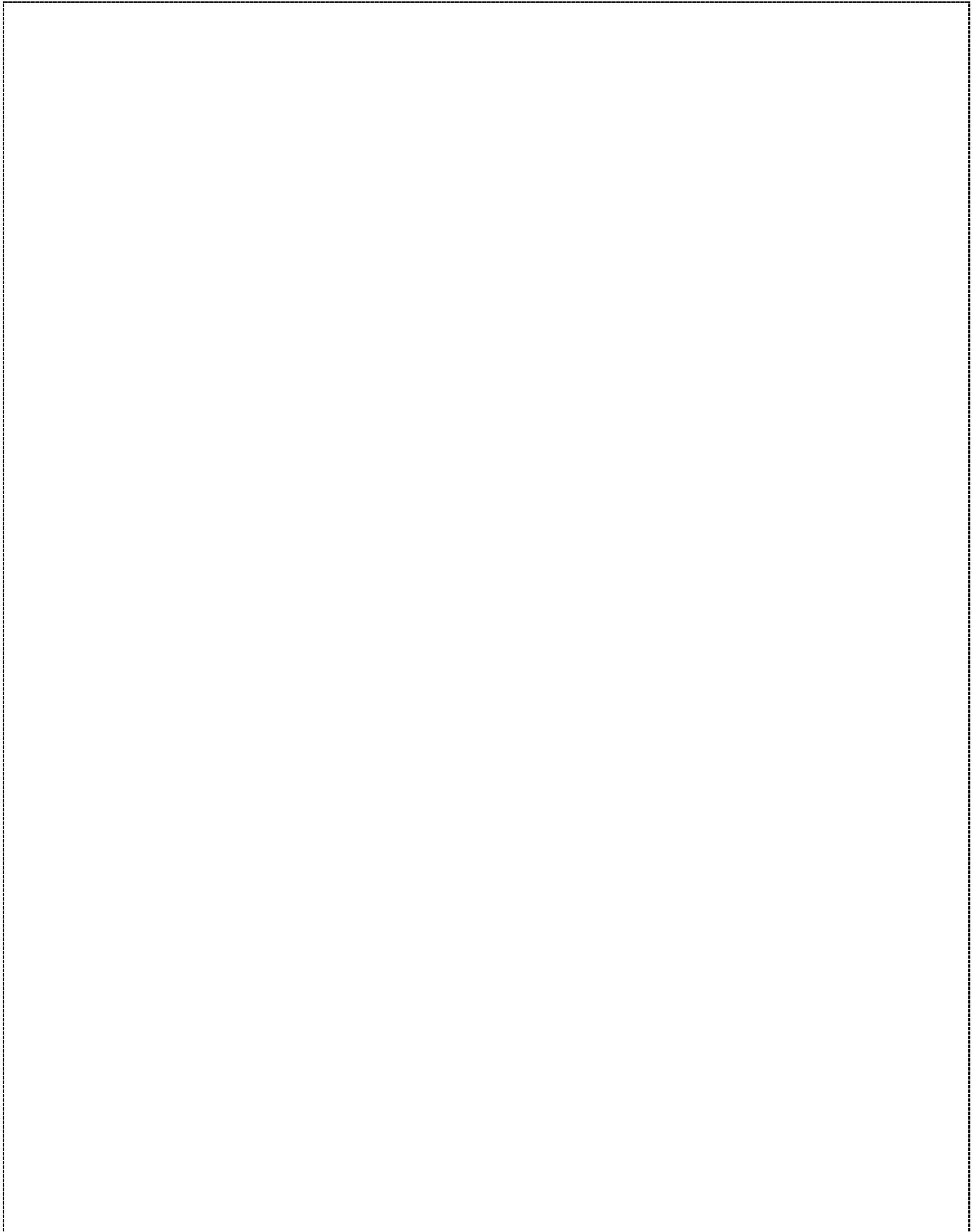
III.3 GOALS: (general and specific).

A large, empty rectangular box with a thin black border, intended for the applicant to write their general and specific goals.

III.4 METHODOLOGY: Describe the methods you plan to use to achieve the proposed goals. For example: experimental techniques, sampling procedures justification, statistical analysis of results, etc.. **The maximum length for this section is 3 pages.**

A large, empty rectangular box with a dashed border, occupying most of the page. It is intended for the user to write the methodology section of their proposal.

III.5 WORK PLAN: On the basis of your stated goals, indicate the stages and describe the activities **to be carried out each year**. **The maximum length for this section is 1 page. If appropriate, use a Gantt chart.**



III.6 RESEARCHERS ACTIVITIES: Describe the job to be carried out annually by each **researcher**. **Attach additional sheets, if necessary.**

NAME:

Activities

NAME:

Activities

NAME:

Activities

NAME:

Activities

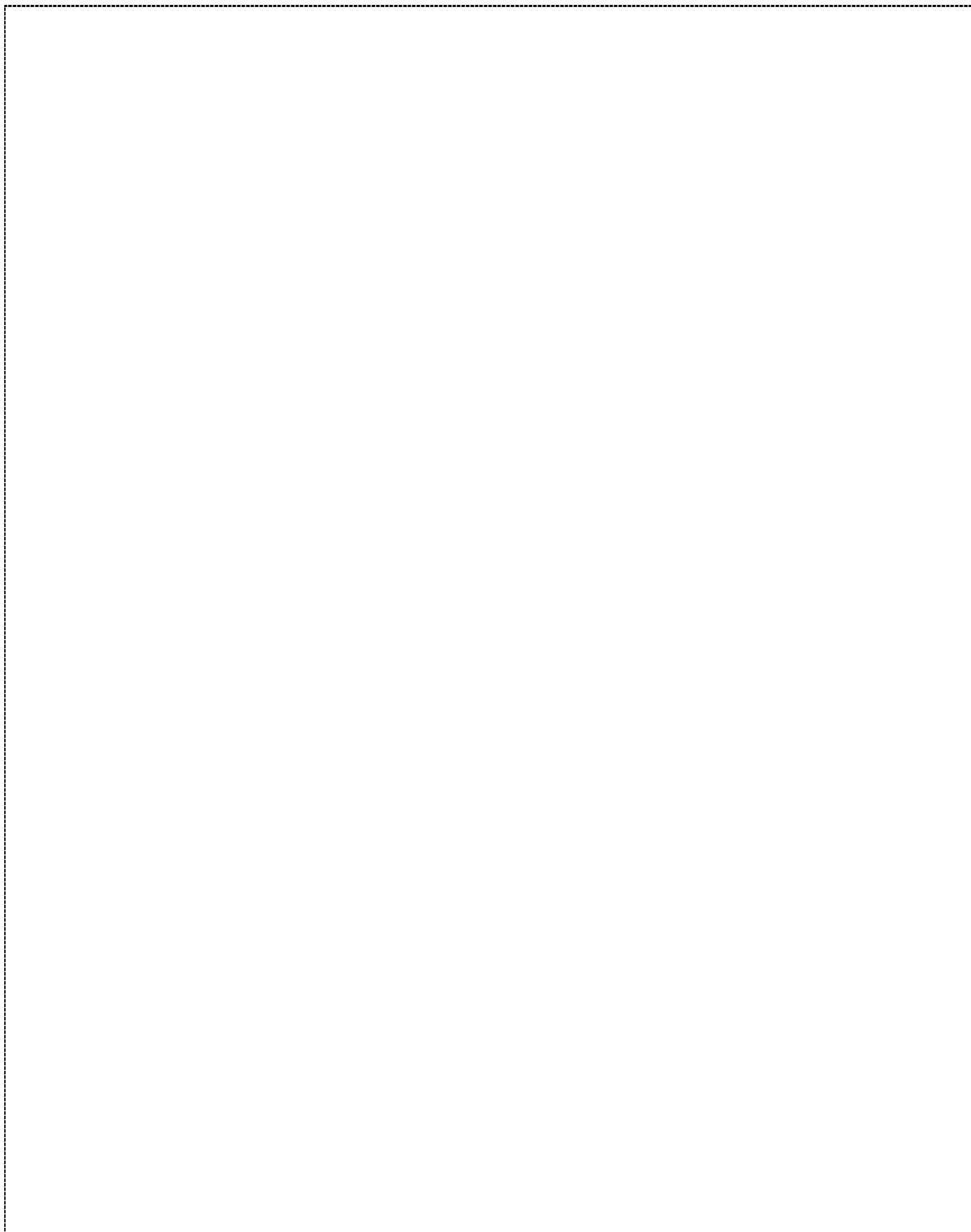
NAME:

Activities

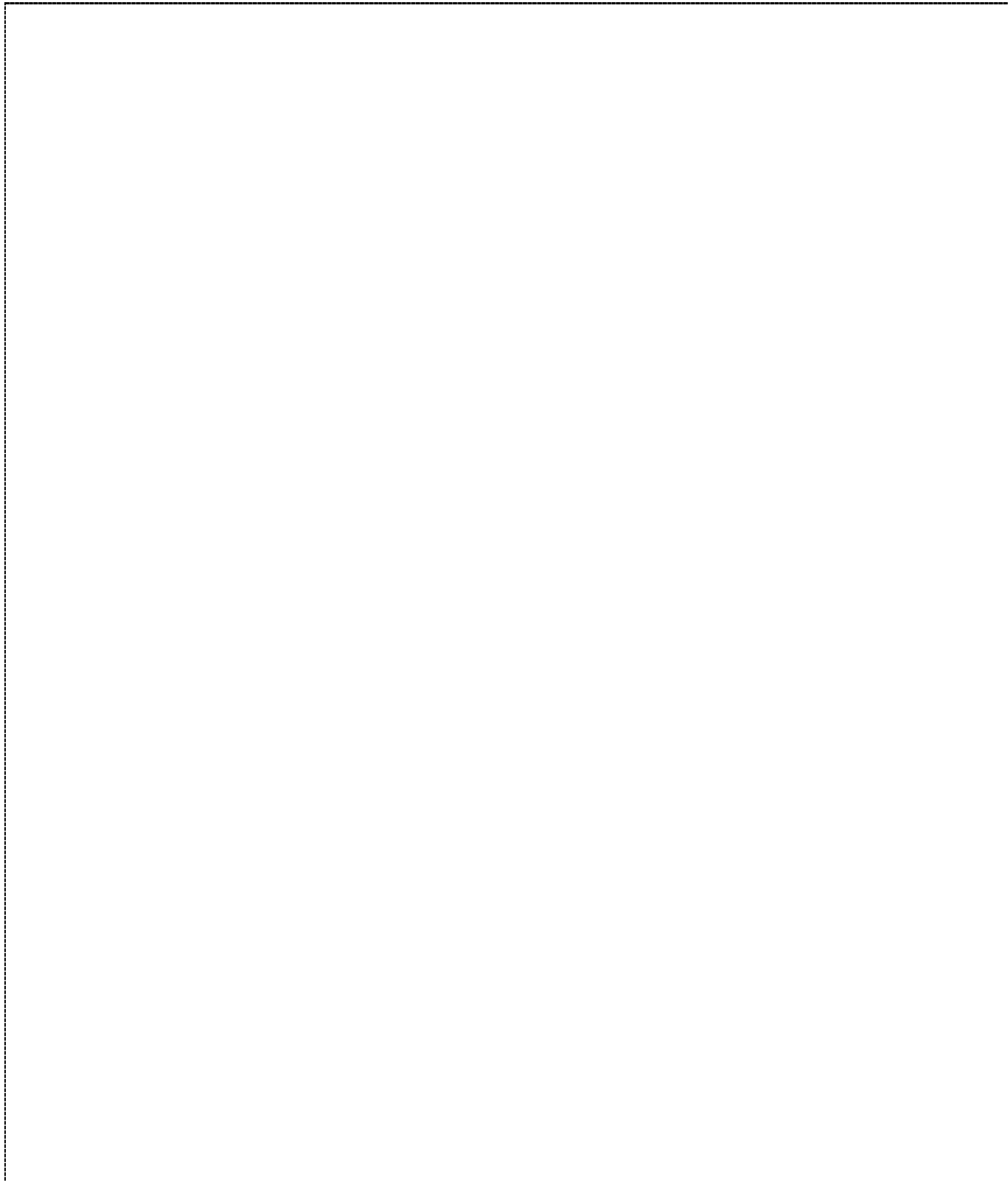
III.7 TIME COMMITMENT TO THE PROPOSAL: On the basis the above described activities, indicate the number of hours per week committed to the proposal by each researcher.

Taxpayer ID #	FULL NAME	2006	2007	2008	2009

IV. PRIOR WORK ON THE PROPOSAL TOPIC: In the space below, summarize the results of your previous work conducted on the topic of this proposal.



V. ADDITIONAL INFORMATION: Include other information that you consider relevant, not included elsewhere, which would facilitate this proposal's review. **Use only the space provided and a font and letter size similar to the one used here.**



ACADEMIC APPOINTMENT(S)	INSTITUTION	HOURS PER WEEK

VI.3. PARTICIPATION IN FONDECYT-APPROVED PROJECTS (LAST 10 YEARS).

YEAR		PROJECT NUMBER & TITLE	ROLE (PI, CoInvestigator)
Begin	End		

VI.4. PARTICIPATION IN OTHER PROJECTS OR RESEARCH PROGRAMS FUNDED BY NATIONAL OR FOREIGN SOURCES (LAST 5 YEARS). SPECIFY THEIR GOALS AND EXPLAIN THEIR DIFFERENCES WITH THE CURRENT PROPOSAL.

(Attach as many pages as needed)

FONDECYT Councils, at their discretion, may request proper certification.

YEAR		FUNDING SOURCE	PROJECT TITLE	ROLE (PI, CoInvestigator)
Begin	End			

SPECIFICATION:

VI.5 PUBLICATIONS. Please provide full references (title, author(s), journal full name, volume, pages, year) for articles **accepted or published** over the last 5 years. If appropriate, specify the FONDECYT project number. This information will be verified by FONDECYT Councils.

a. Publications since 2000. Use additional sheets, if necessary. Use an "X" to check the appropriate box*.

Article Title											
Author(s)											
Journal full name										FONDECYT Project N°	
Bibliographic Reference	Year	Vol.	N°	Pages	Publication status to date*						
					Published		In press		Accepted		

Article Title											
Author(s)											
Journal full name										FONDECYT Project N°	
Bibliographic Reference	Year	Vol.	N°	Pages	Publication status to date*						
					Published		In press		Accepted		

Article Title											
Author(s)											
Journal full name										FONDECYT Project N°	
Bibliographic Reference	Year	Vol.	N°	Pages	Publication status to date*						
					Published		In press		Accepted		

Article Title											
Author(s)											
Journal full name										FONDECYT Project N°	
Bibliographic Reference	Year	Vol.	N°	Pages	Publication status to date*						
					Published		In press		Accepted		

Article Title											
Author(s)											
Journal full name										FONDECYT Project N°	
Bibliographic Reference	Year	Vol.	N°	Pages	Publication status to date*						
					Published		In press		Accepted		

- b. Books and Book Chapters since 2000:** Please provide full references and use additional sheets if necessary. Use an "X" to check the appropriate box*.

Full Title								
Author(s)								
Editor(s) (Books or Book Chapters)								
Publication type or product*				Place and date of Publication				
Book	<input type="checkbox"/>	Book Chapter	<input type="checkbox"/>	Monograph	<input type="checkbox"/>	Country:	City:	Date:

Full Title								
Author(s)								
Editor(s) (Books or Book Chapters)								
Publication type or product*				Place and date of Publication				
Book	<input type="checkbox"/>	Book Chapter	<input type="checkbox"/>	Monograph	<input type="checkbox"/>	Country:	City:	Date:

- c. PUBLICATIONS IN PROCEEDINGS OF SCIENTIFIC MEETINGS SINCE 2000.** Include up to 6 publications relevant to this proposal topic.

Presentation Title			
Author(s)			
Meeting Title			
Place and Date	Country:	City:	Date:

Presentation Title			
Author(s)			
Meeting Title			
Place and Date	Country:	City:	Date:

Presentation Title			
Author(s)			
Meeting Title			
Place and Date	Country:	City:	Date:

d. Publications relevant to this proposal's topic prior to 2000. (No more than 5).

Article Title											
Author(s)											
Journal full Name										FONDECYT Project N°	
Bibliographic Reference	Year	Vol.	N°	Pages	Publication status to date*						
					Published		In press		Accepted		

Article Title											
Author(s)											
Journal full Name										FONDECYT Project N°	
Bibliographic Reference	Year	Vol.	N°	Pages	Publication status to date*						
					Published		In press		Accepted		

Article Title											
Author(s)											
Journal full Name										FONDECYT Project N°	
Bibliographic Reference	Year	Vol.	N°	Pages	Publication status to date*						
					Published		In press		Accepted		

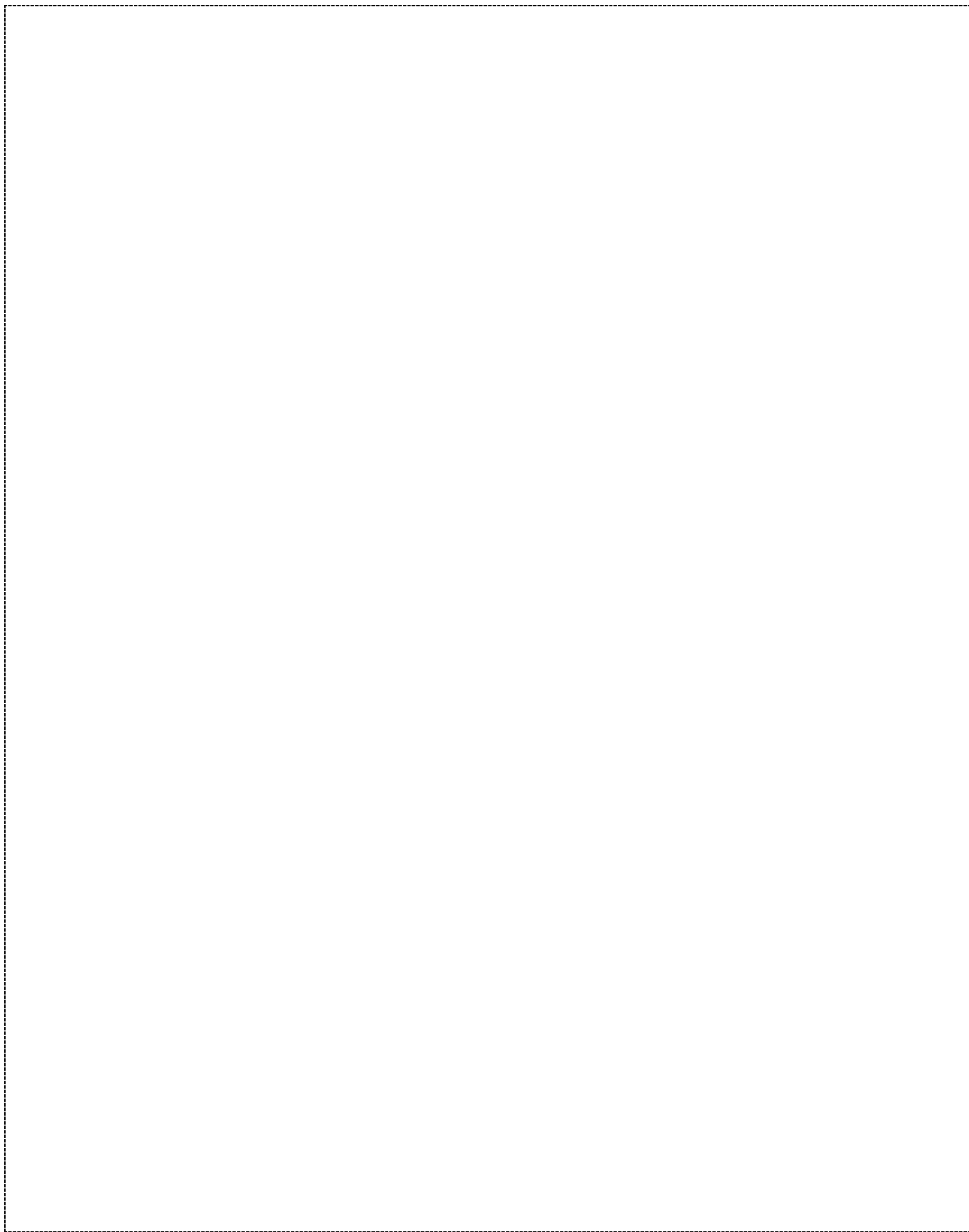
Article Title											
Author(s)											
Journal full Name										FONDECYT Project N°	
Bibliographic Reference	Year	Vol.	N°	Pages	Publication status to date*						
					Published		In press		Accepted		

Article Title											
Author(s)											
Journal full Name										FONDECYT Project N°	
Bibliographic Reference	Year	Vol.	N°	Pages	Publication status to date*						
					Published		In press		Accepted		

e. Thesis Direction. Indicate whether your proposal includes theses students (Graduate and Undergraduate) funded from other sources. List Undergraduate, Doctoral and Master's theses directed over the last 5 years.

Students Names	Thesis Title	Degree, Institution & Year Awarded

VII. AVAILABLE RESOURCES: If applicable, identify means and resources available at the sponsoring institution(s) to carry out this proposal.



VIII. AMOUNTS AND JUSTIFICATION OF FUNDS REQUESTED FROM FONDECYT.

VIII.1 FUNDS FOR EACH PERFORMING UNIT. (Please use one sheet for each University Department).

INSTITUTION (University/Faculty/Department)

MAILING ADDRESS	INSTITUTION TAX ID
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P.O. BOX	CITY	TELEPHONE	FAX
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E-MAIL ADDRESS

NAME OF AUTHORIZED REPRESENTATIVE

The above named Authorized Representative certifies to know the terms and regulations of this FONDECYT competition and proposal selection procedures.

AUTHORIZED REPRESENTATIVE SIGNATURE

		ANNUAL AMOUNTS (1000 CHP)				
		2006	2007	2008	2009	TOTAL
<u>BUDGET ITEMS</u>						
1. STAFF						
	Total Honoraria					
2. TRAVEL						
	Domestic Per Diem					
	International Per Diem					
	Domestic Fares					
	International Fares					
3. OPERATIONAL EXPENSES						
4. EQUIPMENT						

TOTAL REQUESTED (1+2+3+4)					
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VIII.2 HONORARIA REQUESTED FOR EACH PERFORMING UNIT RESEARCH STAFF. (Include data for all researchers, even if no honoraria are being requested).

RESEARCH UNIT (INSTITUTION / UNIVERSITY/ FACULTY/ DEPARTMENT)			ANNUAL AMOUNTS (1000 CHP)				
ROLE	TAXPAYER ID	FULL NAME	2006	2007	2008	2009	TOTAL
PI							
CoInvestigator							
CoInvestigator							
CoInvestigator							
Thesis students							
Technical & Support Staff							
SUB-TOTAL HONORARIA (1000 CHP)							

RESEARCH UNIT (INSTITUTION / UNIVERSITY/ FACULTY/ DEPARTMENT)			ANNUAL AMOUNTS (1000 CHP)				
ROLE	TAXPAYER ID	FULL NAME	2006	2007	2008	2009	TOTAL
CoInvestigator							
CoInvestigator							
Thesis students							
Technical & Support Staff							
SUB-TOTAL HONORARIA (1000 CHP)							

RESEARCH UNIT (INSTITUTION / UNIVERSITY/ FACULTY/ DEPARTMENT)			ANNUAL AMOUNTS (1000 CHP)				
ROLE	TAXPAYER ID	FULL NAME	2006	2007	2008	2009	TOTAL
CoInvestigator							
CoInvestigator							
Thesis students							
Technical & Support Staff							
SUB-TOTAL HONORARIA (1000 CHP)							

PRIVATE (Include here staff personnel **not affiliated** with an institution/organization).

			ANNUAL AMOUNTS (1000 CHP)				
ROLE	TAXPAYER ID	FULL NAME	2006	2007	2008	2009	TOTAL
CoInvestigator							
CoInvestigator							

TOTAL HONORARIA (1000 CHP)

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VIII.3. JUSTIFICATION OF REQUESTED AMOUNTS: Justify the amounts requested for each of the items above.

- a. Describe the tasks of all **technical & support staff** for which honoraria are being requested, based on the goals and proposed work plan.

- b. Specify if this proposal intends to fund **theses students**. If so, indicate the topics of the theses you intend to direct. If students are already selected, indicate their names and degree objective.

Remember that funding may only be requested for Undergraduate and Master students.

VIII.4 TRAVEL: Funding may be requested for activities directly related to the proposal development and dissemination of results.

a. FOREIGN TRAVEL:

All trips abroad require a **clear justification**. Indicate tentative destinations, number of days and amounts for each trip. Estimate annual international travel fares and per diem expenses. Remember that only coach fares are acceptable. Please read the **Application Instructions** (Item VIII).

	AMOUNTS (1000 CHP)		Purpose	No. Days
	Fares	Per Diem		
2006				
2007				
2008				
2009				

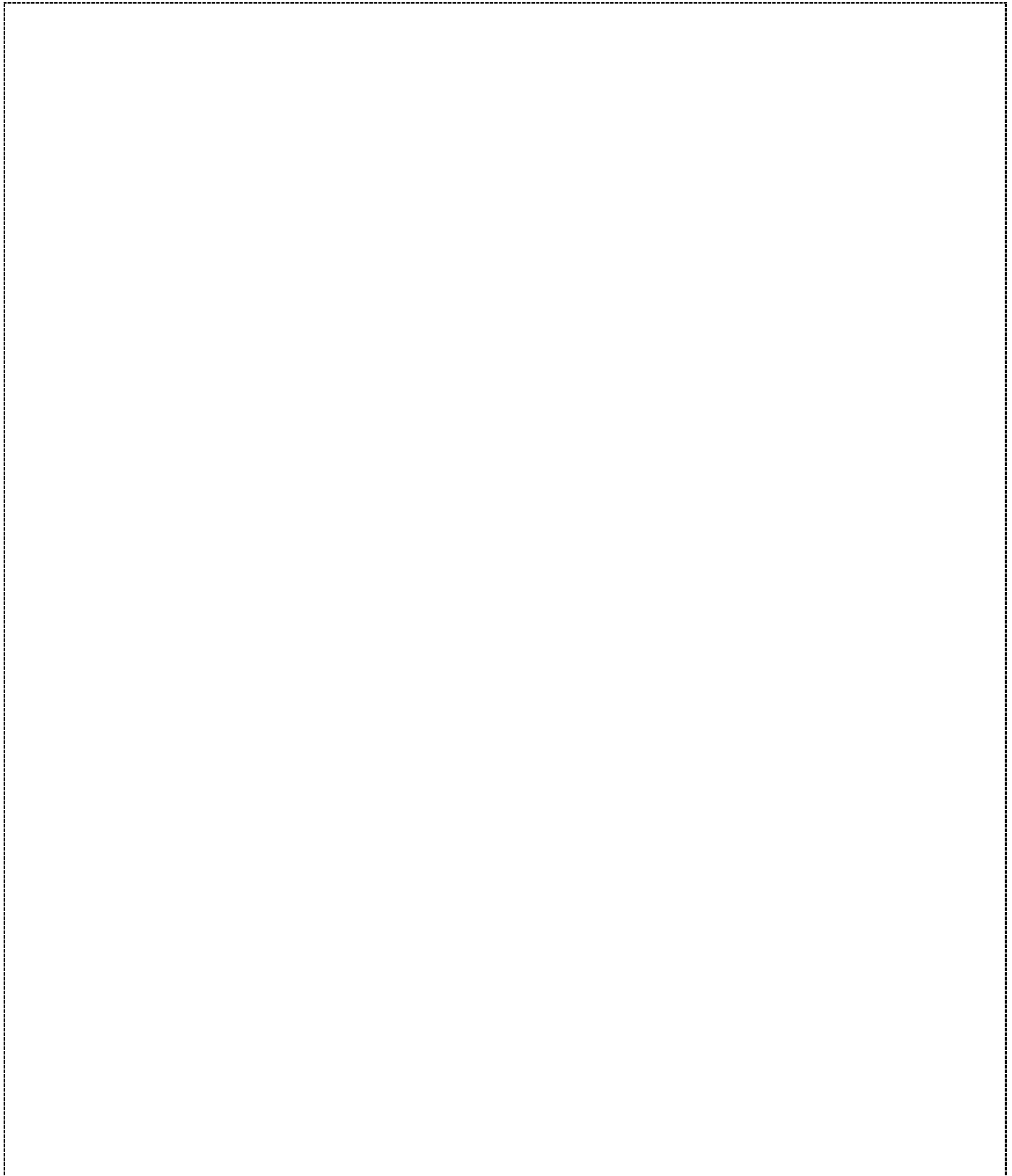
Justification (for each year):

b. DOMESTIC TRAVEL & FIELD TRIPS: Per Diem expenses related to field trips must be justified. Provide a detailed schedule including transportation means to be used. Include a tentative calendar of national scientific meetings you plan to attend.

	AMOUNTS (1000 CHP)		Purpose	No. Days
	Fares	Per Diem		
2006				
2007				
2008				
2009				

Justification (for each year):

VIII.5 OPERATIONAL EXPENSES: Specify and justify for each proposal year the amounts requested, if applicable, for the following items: computing-related items, reagents and other laboratory non-durable materials, books purchases, scientific journals and subscription fees (all of which must be registered with the performing unit), scientific meetings registration fees, payments for services, hiring of occasional auxiliary personnel, publishing costs of proposal-derived papers on ISI-indexed journals or equivalent depending on the nature of the field.



VIII.6. EQUIPMENT FOR EACH PERFORMING UNIT.

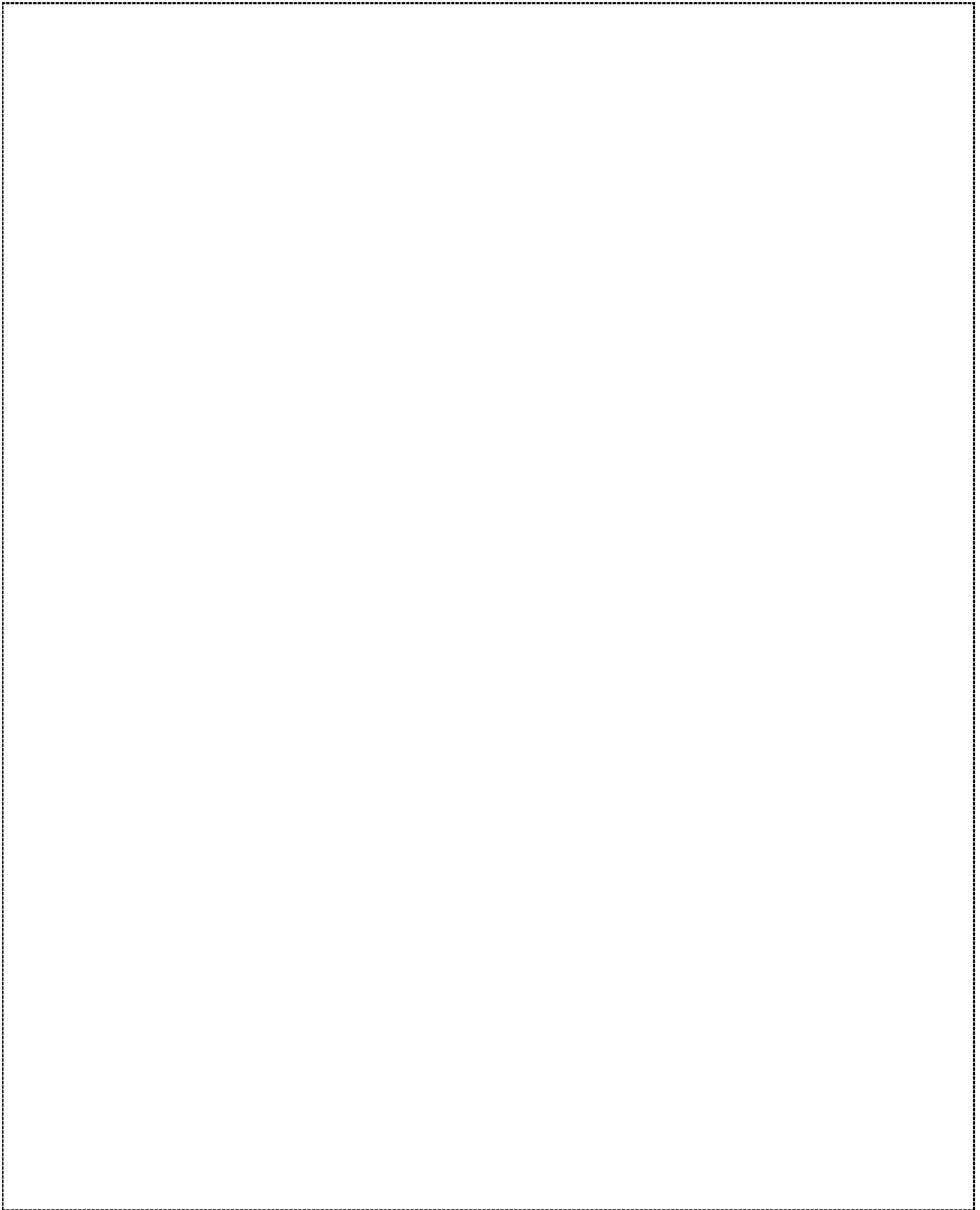
For the entire duration of the proposal you may request up to **CHP\$ 19 million** for durable equipment. This amount covers transportation, insurance and applicable import taxes costs. Non-durable, expendable items, must be included under Operational Expenses.

a. Equipment specifications

RESEARCH UNIT (INSTITUTION / UNIVERSITY/ FACULTY/ DEPARTMENT)							FONDECYT USE	
Amounts (1000 CHP)								
2006		2007		2008		TOTAL		
ITEM	Qty.	1000 CHP	Qty.	1000 CHP	Qty.	1000 CHP	Qty.	1000 CHP
TOTAL								

RESEARCH UNIT (INSTITUTION / UNIVERSITY/ FACULTY/ DEPARTMENT)							FONDECYT USE	
Amounts (1000 CHP)								
2006		2007		2008		TOTAL		
ITEM	Qty.	1000 CHP	Qty.	1000 CHP	Qty.	1000 CHP	Qty.	1000 CHP
TOTAL								

- b. EQUIPMENT JUSTIFICATION:** Each piece of equipment requested must be clearly justified considering the proposal goals and intended work plan. In the Annex section include, at least one quotation or proforma invoice. Purchase of furniture or physical space furnishing is not allowed.



IX. ANNEX

IX.1 ETHICAL, BIOSAFETY AND OTHER REQUIREMENTS:

All proposals, which include studies on human beings or genetic manipulation, must submit an approved report from the sponsoring institution Ethics Committee and a sample of the informed consent form that patients participating in the study will sign. FONDECYT reserves the right to request an independent ethics report.

Proposals which include experimentation with animals must submit an approved report from the pertinent institution Bioethics Committee.

Proposals which involve handling of pathogenic agents to human beings, animals or plants, recombinant DNA and/or radioisotopes or other risk elements, must consider biosafety measures as prescribed on "**Manual de Normas de Bioseguridad**", edited by CONICYT in 1994. A copy of such manual may be requested from FONDECYT's Director. If a proposal does not appear to comply with the prescribed biosafety measures FONDECYT Councils may decide to reject it or subject its approval to the availability of adequate facilities to carry out the experiments.

If your proposal involves studies on protected species, archaeological sites, wildlife protected areas (SNASPE), use of protected archival material, introduction of foreign animal or plant species, must attach written authorization from each institution or agency involved.

If applicable to your proposal, attach following this page, all required permissions, certifications and authorizations,

In the event that the above documents are unavailable at the time of proposal submission, and to review it with all the information, you must mail them to FONDECYT no later than 30 September 2005.

Non-compliance with these requirements may determine elimination from the competition.

IX.2 QUOTATIONS & PROFORMA INVOICES: If applicable, attach all quotations and proforma invoices supporting your funding request for equipment or other expenses.

SUGGESTED REVIEWERS: Indicate the names and current addresses of possible referees with whom you have neither published with over the last five years nor served as tutor or advisor. FONDECYT Councils may invite one or more to review your proposal.

REVIEWERS

Names	Father's Surname	Mother's Maiden Surname	ADDRESS (Street Address/Mailing Address/ Fax/Telephone/E-Mail)

CONFLICTOS DE INTERES: Si usted considera que tiene conflictos de interés con una o algunas personas que eventualmente podrían ser designadas como árbitros de su proyecto, señálelo con sus fundamentos a continuación. Sólo se consideran objeciones fundamentadas a **personas** y no a Instituciones o Unidades de Investigación.

Esta información es estrictamente confidencial. Desprenda esta hoja y envíela en un sobre cerrado a la Dirección del Programa FONDECYT

Dirección Programa FONDECYT
Bernarda Morín 551, Providencia
Santiago

Sres. FONDECYT

Por la presente solicito a Uds. no considerar como evaluadores de mi proyecto a la(s) siguientes personas:

Nombre	Fundamentación

Nombre del Investigador(a) Responsable

Firma

Título del Proyecto: